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**HL7 STU Ballot**

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# 1 DOCUMENT-LEVEL TEMPLATES

Document-level templates describe the purpose and rules for constructing a conforming CDA document. Document templates include constraints on the CDA header and indicate contained section-level templates.

Each document-level template contains the following information:

- Scope and intended use of the document type
- Description and explanatory narrative
- Template metadata (e.g., templateId, etc.)
- Header constraints (e.g., document type, template id, participants)
- Required and optional section-level templates

**Table 1: Required and Optional Sections for Each Document Type**

Document Type	Required Sections	Optional Sections
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> urn:hl7ii:2.16.840.1.113883.10.20.34.1.4:2025-08-01	<a href="#">Payers Section (NHCS V4)</a> <a href="#">Vital Signs Section (entries required) (V3)</a> <a href="#">Chief Complaint and Reason for Visit Section with NullFlavor (V5)</a> <a href="#">Medications Section (entries required) (NHCS V3)</a> <a href="#">Immunizations Section (entries required) (NHCS V4)</a> <a href="#">Emergency Department Encounters Section (V5)</a> <a href="#">Results Section (entries optional) (NHCS V4)</a> <a href="#">Discharge Medications Section (entries required) (NHCS V4)</a> <a href="#">Procedures Section (entries required) (NHCS V3)</a> <a href="#">Problem Section (entries required) (NHCS V4)</a>	<a href="#">Assessment Section</a> <a href="#">Plan of Treatment Section (NHCS V3)</a> <a href="#">Medical Equipment Section (NHCS V3)</a> <a href="#">NHCS Social History Section (V3)</a> <a href="#">Medical Equipment Section (UDI) (V2)</a> <a href="#">Allergies and Intolerances Section (entries required) (NHCS V4)</a> <a href="#">Health Concerns Section (NHCS V3)</a> <a href="#">Functional Status Section (NHCS V3)</a> <a href="#">Goals Section (NHCS V2)</a> <a href="#">Reason for Referral Section (V2)</a> <a href="#">Care Teams Section (V2)</a> <a href="#">Mental Status Section (NHCS V3)</a>
<a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> urn:hl7ii:2.16.840.1.113883.10.20.34.1.2:2025-08-01	<a href="#">Payers Section (NHCS V4)</a> <a href="#">Vital Signs Section (entries required) (V3)</a> <a href="#">Inpatient Encounters Section (V5)</a> <a href="#">Medications Section (entries required) (NHCS V3)</a>	<a href="#">Assessment Section</a> <a href="#">Plan of Treatment Section (NHCS V3)</a> <a href="#">Medical Equipment Section (NHCS V3)</a> <a href="#">NHCS Social History Section (V3)</a> <a href="#">Medical Equipment Section</a>

Document Type	Required Sections	Optional Sections
	<u>Immunizations Section (entries required) (NHCS V4)</u> <u>Results Section (entries optional) (NHCS V4)</u> <u>Discharge Medications Section (entries required) (NHCS V4)</u> <u>Procedures Section (entries required) (NHCS V3)</u> <u>Problem Section (entries required) (NHCS V4)</u>	<u>(UDI) (V2)</u> <u>Allergies and Intolerances Section (entries required) (NHCS V4)</u> <u>Care Teams Section (V2)</u> <u>Reason for Referral Section (V2)</u> <u>Functional Status Section (NHCS V3)</u> <u>Health Concerns Section (NHCS V3)</u> <u>Goals Section (NHCS V2)</u> <u>Mental Status Section (NHCS V3)</u>
<u>National Health Care Surveys (V6)</u> urn:hl7ii:2.16.840.1.113883.10 .20.34.1.1:2025-08-01	N/A	N/A
<u>Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</u> urn:hl7ii:2.16.840.1.113883.10 .20.34.1.3:2025-08-01	<u>Payers Section (NHCS V4)</u> <u>Vital Signs Section (entries required) (V3)</u> <u>Chief Complaint and Reason for Visit Section with NullFlavor (V5)</u> <u>Outpatient Encounters Section (V6)</u> <u>Medications Section (entries required) (NHCS V3)</u> <u>Immunizations Section (entries required) (NHCS V4)</u> <u>Results Section (entries optional) (NHCS V4)</u> <u>Procedures Section (entries required) (NHCS V3)</u> <u>Problem Section (entries required) (NHCS V4)</u>	<u>Assessment Section</u> <u>Plan of Treatment Section (NHCS V3)</u> <u>Medical Equipment Section (NHCS V3)</u> <u>NHCS Social History Section (V3)</u> <u>Medical Equipment Section (UDI) (V2)</u> <u>Allergies and Intolerances Section (entries required) (NHCS V4)</u> <u>Health Concerns Section (NHCS V3)</u> <u>Functional Status Section (NHCS V3)</u> <u>Goals Section (NHCS V2)</u> <u>Reason for Referral Section (V2)</u> <u>Care Teams Section (V2)</u> <u>Mental Status Section (NHCS V3)</u>
<u>US Realm Header (V4)</u> urn:hl7ii:2.16.840.1.113883.10 .20.22.1.1:2023-05-01	N/A	N/A

## 1.1 US Realm Header (V4)

[ClinicalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2023-05-01 (open)]

Published as part of C-CDA 2.1 Companion Guide V4

**Table 2: US Realm Header (V4) Contexts**

Contained By:	Contains:
	<a href="#">US Realm Patient Name (PTN.US.FIELDED)</a> (required) <a href="#">US Realm Address (AD.US.FIELDED)</a> (optional) <a href="#">US Realm Address (AD.US.FIELDED)</a> (required) <a href="#">US Realm Person Name (PN.US.FIELDED)</a> (optional) <a href="#">US Realm Date and Time (DTM.US.FIELDED)</a> (optional) <a href="#">US Realm Date and Time (DTM.US.FIELDED)</a> (required) <a href="#">Related Person Relationship and Name Participant</a> (optional)

This template defines constraints that represent common administrative and demographic concepts for US Realm CDA documents. Further specification, such as ClinicalDocument/code, are provided in document templates that conform to this template.



**Table 3: US Realm Header (V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2023-05-01)					
realmCode	1..1	SHALL		<a href="#">4537-16791</a>	US
typeId	1..1	SHALL		<a href="#">4537-5361</a>	
@root	1..1	SHALL		<a href="#">4537-5250</a>	2.16.840.1.113883.1.3
@extension	1..1	SHALL		<a href="#">4537-5251</a>	POCD_HD000040
templateId	1..1	SHALL		<a href="#">4537-5252</a>	
@root	1..1	SHALL		<a href="#">4537-10036</a>	2.16.840.1.113883.10.20.22.1.1
@extension	1..1	SHALL		<a href="#">4537-32503</a>	2023-05-01
id	1..1	SHALL		<a href="#">4537-5363</a>	
code	1..1	SHALL		<a href="#">4537-5253</a>	
title	1..1	SHALL		<a href="#">4537-5254</a>	
effectiveTime	1..1	SHALL		<a href="#">4537-5256</a>	<a href="#">US Realm Date and Time (DTM.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4)</a>
confidentialityCode	1..1	SHALL		<a href="#">4537-5259</a>	urn:oid:2.16.840.1.113883.1.11.16926 (HL7 BasicConfidentialityKind)
languageCode	1..1	SHALL		<a href="#">4537-5372</a>	urn:oid:2.16.840.1.113883.1.11.11526 (Language)
setId	0..1	MAY		<a href="#">4537-5261</a>	
versionNumber	0..1	MAY		<a href="#">4537-5264</a>	
recordTarget	1..*	SHALL		<a href="#">4537-5266</a>	
patientRole	1..1	SHALL		<a href="#">4537-5267</a>	
id	1..*	SHALL		<a href="#">4537-5268</a>	
addr	1..*	SHALL		<a href="#">4537-5271</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
telecom	1..*	SHALL		<a href="#">4537-5280</a>	
@use	0..1	SHOULD		<a href="#">4537-5375</a>	urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header))
patient	1..1	SHALL		<a href="#">4537-5283</a>	
name	1..*	SHALL		<a href="#">4537-5284</a>	<a href="#">US Realm Patient Name (PTN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1)</a>
administrativeGenderCode	1..1	SHALL		<a href="#">4537-6394</a>	urn:oid:2.16.840.1.113883.1.11.1 (Administrative Gender (HL7 V3))
birthTime	1..1	SHALL		<a href="#">4537-5298</a>	
sdct:deceasedInd	0..1	MAY		<a href="#">4537-32990</a>	
sdct:deceasedTime	0..1	MAY		<a href="#">4537-32988</a>	
@value	0..1	SHOULD		<a href="#">4537-32989</a>	
maritalStatusCode	0..1	SHOULD		<a href="#">4537-5303</a>	urn:oid:2.16.840.1.113883.1.11.12212 (Marital Status)
religiousAffiliationCode	0..1	MAY		<a href="#">4537-5317</a>	urn:oid:2.16.840.1.113883.1.11.19185 (Religious Affiliation)
raceCode	1..1	SHALL		<a href="#">4537-5322</a>	urn:oid:2.16.840.1.113883.3.2074.1.1.3 (Race Category Excluding Nulls)
sdct:raceCode	0..*	MAY		<a href="#">4537-7263</a>	urn:oid:2.16.840.1.113883.1.11.14914 (Race Value Set)
ethnicGroupCode	1..1	SHALL		<a href="#">4537-5323</a>	urn:oid:2.16.840.1.114222.4.11.837 (Ethnicity)
sdct:ethnicGroupCode	0..*	MAY		<a href="#">4537-32901</a>	urn:oid:2.16.840.1.114222.4.11.877 (Detailed Ethnicity)
guardian	0..*	MAY		<a href="#">4537-5325</a>	
code	0..1	SHOULD		<a href="#">4537-5326</a>	urn:oid:2.16.840.1.113883.11.20.12.1 (Personal And Legal Relationship Role Type)
addr	0..*	SHOULD		<a href="#">4537-5359</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>
telecom	0..*	SHOULD		<a href="#">4537-5382</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
@use	0..1	SHOULD		<a href="#">4537-7993</a>	urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header))
guardianPerson	1..1	SHALL		<a href="#">4537-5385</a>	
name	1..*	SHALL		<a href="#">4537-5386</a>	<a href="#">US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)</a>
birthplace	0..1	MAY		<a href="#">4537-5395</a>	
place	1..1	SHALL		<a href="#">4537-5396</a>	
addr	1..1	SHALL		<a href="#">4537-5397</a>	
country	0..1	SHOULD		<a href="#">4537-5404</a>	urn:oid:2.16.840.1.113883.3.8.8.12.80.63 (Country)
languageCommunication	0..*	SHOULD		<a href="#">4537-5406</a>	
languageCode	1..1	SHALL		<a href="#">4537-5407</a>	urn:oid:2.16.840.1.113883.1.1.1.11526 (Language)
modeCode	0..1	MAY		<a href="#">4537-5409</a>	urn:oid:2.16.840.1.113883.1.1.1.12249 (LanguageAbilityMode)
proficiencyLevelCode	0..1	SHOULD		<a href="#">4537-9965</a>	urn:oid:2.16.840.1.113883.1.1.1.12199 (LanguageAbilityProficiency)
preferenceInd	0..1	SHOULD		<a href="#">4537-5414</a>	
providerOrganization	0..1	MAY		<a href="#">4537-5416</a>	
id	1..*	SHALL		<a href="#">4537-5417</a>	
@root	0..1	SHOULD		<a href="#">4537-16820</a>	2.16.840.1.113883.4.6
name	1..*	SHALL		<a href="#">4537-5419</a>	
telecom	1..*	SHALL		<a href="#">4537-5420</a>	
@use	0..1	SHOULD		<a href="#">4537-7994</a>	urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header))
addr	1..*	SHALL		<a href="#">4537-5422</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
author	1..*	SHALL		<a href="#">4537-5444</a>	
time	1..1	SHALL		<a href="#">4537-5445</a>	<a href="#">US Realm Date and Time (DTM.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4)</a>
assignedAuthor	1..1	SHALL		<a href="#">4537-5448</a>	
id	1..*	SHALL		<a href="#">4537-5449</a>	
id	0..1	SHOULD		<a href="#">4537-32882</a>	
@nullFlavor	0..1	MAY		<a href="#">4537-32883</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = UNK
@root	1..1	SHALL		<a href="#">4537-32884</a>	2.16.840.1.113883.4.6
@extension	0..1	SHOULD		<a href="#">4537-32885</a>	
code	0..1	SHOULD		<a href="#">4537-16787</a>	
@code	1..1	SHALL		<a href="#">4537-16788</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
addr	1..*	SHALL		<a href="#">4537-5452</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>
telecom	1..*	SHALL		<a href="#">4537-5428</a>	
@use	0..1	SHOULD		<a href="#">4537-7995</a>	urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header))
assignedPerson	0..1	SHOULD		<a href="#">4537-5430</a>	
name	1..*	SHALL		<a href="#">4537-16789</a>	<a href="#">US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)</a>
assignedAuthoringDevice	0..1	SHOULD		<a href="#">4537-16783</a>	
manufacturerModelName	1..1	SHALL		<a href="#">4537-16784</a>	
softwareName	1..1	SHALL		<a href="#">4537-16785</a>	
dataEnterer	0..1	MAY		<a href="#">4537-5441</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
assignedEntity	1..1	SHALL		<a href="#">4537-5442</a>	
id	1..*	SHALL		<a href="#">4537-5443</a>	
@root	0..1	SHOULD		<a href="#">4537-16821</a>	2.16.840.1.113883.4.6
code	0..1	MAY		<a href="#">4537-32173</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
addr	1..*	SHALL		<a href="#">4537-5460</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>
telecom	1..*	SHALL		<a href="#">4537-5466</a>	
@use	0..1	SHOULD		<a href="#">4537-7996</a>	urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header))
assignedPerson	1..1	SHALL		<a href="#">4537-5469</a>	
name	1..*	SHALL		<a href="#">4537-5470</a>	<a href="#">US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)</a>
informant	0..*	MAY		<a href="#">4537-8001</a>	
assignedEntity	1..1	SHALL		<a href="#">4537-8002</a>	
id	1..*	SHALL		<a href="#">4537-9945</a>	
code	0..1	MAY		<a href="#">4537-32174</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
addr	1..*	SHALL		<a href="#">4537-8220</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>
assignedPerson	1..1	SHALL		<a href="#">4537-8221</a>	
name	1..*	SHALL		<a href="#">4537-8222</a>	<a href="#">US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)</a>
informant	0..*	MAY		<a href="#">4537-31355</a>	
relatedEntity	1..1	SHALL		<a href="#">4537-31356</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
custodian	1..1	SHALL		<a href="#">4537-5519</a>	
assignedCustodian	1..1	SHALL		<a href="#">4537-5520</a>	
representedCustodianOrganization	1..1	SHALL		<a href="#">4537-5521</a>	
id	1..*	SHALL		<a href="#">4537-5522</a>	
@root	0..1	SHOULD		<a href="#">4537-16822</a>	2.16.840.1.113883.4.6
name	1..1	SHALL		<a href="#">4537-5524</a>	
telecom	1..1	SHALL		<a href="#">4537-5525</a>	
@use	0..1	SHOULD		<a href="#">4537-7998</a>	urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header))
addr	1..1	SHALL		<a href="#">4537-5559</a>	<a href="#">US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>
informationRecipient	0..*	MAY		<a href="#">4537-5565</a>	
intendedRecipient	1..1	SHALL		<a href="#">4537-5566</a>	
id	0..*	MAY		<a href="#">4537-32399</a>	
informationRecipient	0..1	MAY		<a href="#">4537-5567</a>	
name	1..*	SHALL		<a href="#">4537-5568</a>	<a href="#">US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)</a>
receivedOrganization	0..1	MAY		<a href="#">4537-5577</a>	
name	1..1	SHALL		<a href="#">4537-5578</a>	
legalAuthenticator	0..1	SHOULD		<a href="#">4537-5579</a>	
time	1..1	SHALL		<a href="#">4537-5580</a>	<a href="#">US Realm Date and Time (DTM.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4)</a>
signatureCode	1..1	SHALL		<a href="#">4537-5583</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
@code	1..1	SHALL		<a href="#">4537-5584</a>	urn:oid:2.16.840.1.113883.5.89 (HL7ParticipationSignature) = S
sdtc:signatureText	0..1	MAY		<a href="#">4537-30810</a>	
assignedEntity	1..1	SHALL		<a href="#">4537-5585</a>	
id	1..*	SHALL		<a href="#">4537-5586</a>	
@root	0..1	MAY		<a href="#">4537-16823</a>	2.16.840.1.113883.4.6
code	0..1	MAY		<a href="#">4537-17000</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
addr	1..*	SHALL		<a href="#">4537-5589</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>
telecom	1..*	SHALL		<a href="#">4537-5595</a>	
@use	0..1	SHOULD		<a href="#">4537-7999</a>	urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header))
assignedPerson	1..1	SHALL		<a href="#">4537-5597</a>	
name	1..*	SHALL		<a href="#">4537-5598</a>	<a href="#">US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)</a>
authenticator	0..*	MAY		<a href="#">4537-5607</a>	
time	1..1	SHALL		<a href="#">4537-5608</a>	<a href="#">US Realm Date and Time (DTM.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4)</a>
signatureCode	1..1	SHALL		<a href="#">4537-5610</a>	
@code	1..1	SHALL		<a href="#">4537-5611</a>	urn:oid:2.16.840.1.113883.5.89 (HL7ParticipationSignature) = S
sdtc:signatureText	0..1	MAY		<a href="#">4537-30811</a>	
assignedEntity	1..1	SHALL		<a href="#">4537-5612</a>	
id	1..*	SHALL		<a href="#">4537-5613</a>	
@root	0..1	SHOULD		<a href="#">4537-</a>	2.16.840.1.113883.4.6

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">16824</a>	
code	0..1	MAY		<a href="#">4537-16825</a>	
@code	0..1	MAY		<a href="#">4537-16826</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
addr	1..*	SHALL		<a href="#">4537-5616</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>
telecom	1..*	SHALL		<a href="#">4537-5622</a>	
@use	0..1	SHOULD		<a href="#">4537-8000</a>	urn:oid:2.16.840.1.113883.11.20.9.20 (Telecom Use (US Realm Header))
assignedPerson	1..1	SHALL		<a href="#">4537-5624</a>	
name	1..*	SHALL		<a href="#">4537-5625</a>	<a href="#">US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)</a>
participant	0..*	MAY		<a href="#">4537-10003</a>	
time	0..1	MAY		<a href="#">4537-10004</a>	
participant	0..*	SHOULD		<a href="#">4537-32994</a>	<a href="#">Related Person Relationship and Name Participant (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.5.8:2023-05-01)</a>
inFulfillmentOf	0..*	MAY		<a href="#">4537-9952</a>	
order	1..1	SHALL		<a href="#">4537-9953</a>	
id	1..*	SHALL		<a href="#">4537-9954</a>	
documentationOf	0..*	MAY		<a href="#">4537-14835</a>	
serviceEvent	1..1	SHALL		<a href="#">4537-14836</a>	
effectiveTime	1..1	SHALL		<a href="#">4537-14837</a>	
low	1..1	SHALL		<a href="#">4537-14838</a>	
performer	0..*	SHOULD		<a href="#">4537-14839</a>	



XPath	Card.	Verb	Data Type	CONF#	Value
@typeCode	1..1	SHALL		<a href="#">4537-14840</a>	urn:oid:2.16.840.1.113883.1.11.19601 (x_ServiceEventPerformer)
functionCode	0..1	MAY		<a href="#">4537-16818</a>	
@code	0..1	SHOULD		<a href="#">4537-32889</a>	urn:oid:2.16.840.1.113762.1.4.1099.30 (Care Team Member Function)
assignedEntity	1..1	SHALL		<a href="#">4537-14841</a>	
id	1..*	SHALL		<a href="#">4537-14846</a>	
@root	0..1	SHOULD		<a href="#">4537-14847</a>	2.16.840.1.113883.4.6
code	0..1	SHOULD		<a href="#">4537-14842</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
authorization	0..*	MAY		<a href="#">4537-16792</a>	
consent	1..1	SHALL		<a href="#">4537-16793</a>	
id	0..*	MAY		<a href="#">4537-16794</a>	
code	0..1	MAY		<a href="#">4537-16795</a>	
statusCode	1..1	SHALL		<a href="#">4537-16797</a>	
@code	1..1	SHALL		<a href="#">4537-16798</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = completed
componentOf	0..1	MAY		<a href="#">4537-9955</a>	
encompassingEncounter	1..1	SHALL		<a href="#">4537-9956</a>	
id	1..*	SHALL		<a href="#">4537-9959</a>	
effectiveTime	1..1	SHALL		<a href="#">4537-9958</a>	

### 1.1.1.1 Properties

#### 1.1.1.1.1 realmCode

1. **SHALL** contain exactly one [1..1] **realmCode**="US" (CONF:4537-16791).
2. **SHALL** contain exactly one [1..1] **typeId** (CONF:4537-5361).

- a. This typeId **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.1.3" (CONF:4537-5250).
  - b. This typeId **SHALL** contain exactly one [1..1] @extension="POCD\_HD000040" (CONF:4537-5251).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4537-5252) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.1.1" (CONF:4537-10036).
  - b. **SHALL** contain exactly one [1..1] @extension="2023-05-01" (CONF:4537-32503).
4. **SHALL** contain exactly one [1..1] **id** (CONF:4537-5363).
  - a. This id **SHALL** be a globally unique identifier for the document (CONF:4537-9991).
5. **SHALL** contain exactly one [1..1] **code** (CONF:4537-5253).
  - a. This code **SHALL** specify the particular kind of document (e.g., History and Physical, Discharge Summary, Progress Note) (CONF:4537-9992).
  - b. This code **SHALL** be drawn from the LOINC document type ontology (LOINC codes where SCALE = DOC) (CONF:4537-32948).
6. **SHALL** contain exactly one [1..1] **title** (CONF:4537-5254).  
 Note: The title can either be a locally defined name or the displayName corresponding to clinicalDocument/code
7. **SHALL** contain exactly one [1..1] US Realm Date and Time (DTM.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4) (CONF:4537-5256).
8. **SHALL** contain exactly one [1..1] **confidentialityCode**, which **SHOULD** be selected from ValueSet HL7 BasicConfidentialityKind urn:oid:2.16.840.1.113883.1.11.16926 **DYNAMIC** (CONF:4537-5259).
9. **SHALL** contain exactly one [1..1] **languageCode**, which **SHALL** be selected from ValueSet Language urn:oid:2.16.840.1.113883.1.11.11526 **DYNAMIC** (CONF:4537-5372).
10. **MAY** contain zero or one [0..1] **setId** (CONF:4537-5261).
  - a. If setId is present versionNumber **SHALL** be present (CONF:4537-6380).
11. **MAY** contain zero or one [0..1] **versionNumber** (CONF:4537-5264).
  - a. If versionNumber is present setId **SHALL** be present (CONF:4537-6387).

#### 1.1.1.2 recordTarget

The recordTarget records the administrative and demographic data of the patient whose health information is described by the clinical document; each recordTarget must contain at least one patientRole element

12. **SHALL** contain at least one [1..\*] **recordTarget** (CONF:4537-5266).
  - a. Such recordTargets **SHALL** contain exactly one [1..1] **patientRole** (CONF:4537-5267).
    - i. This patientRole **SHALL** contain at least one [1..\*] **id** (CONF:4537-5268).
    - ii. This patientRole **SHALL** contain at least one [1..\*] US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-5271).
    - iii. This patientRole **SHALL** contain at least one [1..\*] **telecom** (CONF:4537-5280).

1. Such telecoms **SHOULD** contain zero or one [0..1] @use, which **SHALL** be selected from ValueSet [Telecom Use \(US Realm Header\)](#) urn:oid:2.16.840.1.113883.11.20.9.20 **DYNAMIC** (CONF:4537-5375).
- iv. This patientRole **SHALL** contain exactly one [1..1] patient (CONF:4537-5283).
  1. This patient **SHALL** contain at least one [1..\*] [US Realm Patient Name \(PTN.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1) (CONF:4537-5284).
  2. This patient **SHALL** contain exactly one [1..1] administrativeGenderCode, which **SHALL** be selected from ValueSet [Administrative Gender \(HL7 V3\)](#) urn:oid:2.16.840.1.113883.1.11.1 **DYNAMIC** (CONF:4537-6394).
  3. This patient **SHALL** contain exactly one [1..1] birthTime (CONF:4537-5298).
    - a. **SHALL** be precise to year (CONF:4537-5299).
    - b. **SHOULD** be precise to day (CONF:4537-5300).

For cases where information about newborn's time of birth needs to be captured.

- c. **MAY** be precise to the minute (CONF:4537-32418).
4. This patient **MAY** contain zero or one [0..1] sdctc:deceasedInd (CONF:4537-32990).
  - a. If sdctc:deceasedInd="true", then sdctc:deceasedTime **SHALL** be present (CONF:4537-32993).
5. This patient **MAY** contain zero or one [0..1] sdctc:deceasedTime (CONF:4537-32988).
  - a. The sdctc:deceasedTime, if present, **SHOULD** contain zero or one [0..1] @value (CONF:4537-32989).
    - i. **SHALL** be precise to to the year (CONF:4537-32991).
    - ii. **SHOULD** be precise to the day (CONF:4537-32992).
6. This patient **SHOULD** contain zero or one [0..1] maritalStatusCode, which **SHALL** be selected from ValueSet [Marital Status](#) urn:oid:2.16.840.1.113883.1.11.12212 **DYNAMIC** (CONF:4537-5303).
7. This patient **MAY** contain zero or one [0..1] religiousAffiliationCode, which **SHALL** be selected from ValueSet [Religious Affiliation](#) urn:oid:2.16.840.1.113883.1.11.19185 **DYNAMIC** (CONF:4537-5317).
8. This patient **SHALL** contain exactly one [1..1] raceCode, which **SHALL** be selected from ValueSet [Race Category Excluding Nulls](#) urn:oid:2.16.840.1.113883.3.2074.1.1.3 **DYNAMIC** (CONF:4537-5322).
9. This patient **MAY** contain zero or more [0..\*] sdctc:raceCode, which **SHALL** be selected from ValueSet [Race Value Set](#) urn:oid:2.16.840.1.113883.1.11.14914 **DYNAMIC** (CONF:4537-

7263).

Note: The sdtc:raceCode is only used to record additional values when the patient has indicated multiple races or additional race detail beyond the five categories required for Meaningful Use Stage 2. The prefix sdtc: SHALL be bound to the namespace “urn:hl7-org:sdtc”. The use of the namespace provides a necessary extension to CDA R2 for the use of the additional raceCode elements.

- a. If sdtc:raceCode is present, then the patient **SHALL** contain [1..1] raceCode (CONF:4537-31347).
10. This patient **SHALL** contain exactly one [1..1] **ethnicGroupCode**, which **SHALL** be selected from ValueSet [Ethnicity](#) urn:oid:2.16.840.1.114222.4.11.837 **DYNAMIC** (CONF:4537-5323).
11. This patient **MAY** contain zero or more [0..\*] **sdtc:ethnicGroupCode**, which **SHALL** be selected from ValueSet [Detailed Ethnicity](#) urn:oid:2.16.840.1.114222.4.11.877 **DYNAMIC** (CONF:4537-32901).
12. This patient **MAY** contain zero or more [0..\*] **guardian** (CONF:4537-5325).
  - a. The guardian, if present, **SHOULD** contain zero or one [0..1] **code**, which **SHALL** be selected from ValueSet [Personal And Legal Relationship Role Type](#) urn:oid:2.16.840.1.113883.11.20.12.1 **DYNAMIC** (CONF:4537-5326).
  - b. The guardian, if present, **SHOULD** contain zero or more [0..\*] [US Realm Address \(AD.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-5359).
  - c. The guardian, if present, **SHOULD** contain zero or more [0..\*] **telecom** (CONF:4537-5382).
    - i. The telecom, if present, **SHOULD** contain zero or one [0..1] **@use**, which **SHALL** be selected from ValueSet [Telecom Use \(US Realm Header\)](#) urn:oid:2.16.840.1.113883.11.20.9.20 **DYNAMIC** (CONF:4537-7993).
  - d. The guardian, if present, **SHALL** contain exactly one [1..1] **guardianPerson** (CONF:4537-5385).
    - i. This guardianPerson **SHALL** contain at least one [1..\*] [US Realm Person Name \(PN.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:4537-5386).
13. This patient **MAY** contain zero or one [0..1] **birthplace** (CONF:4537-5395).
  - a. The birthplace, if present, **SHALL** contain exactly one [1..1] **place** (CONF:4537-5396).

- i. This place **SHALL** contain exactly one [1..1] **addr** (CONF:4537-5397).
  1. This **addr** **SHOULD** contain zero or one [0..1] **country**, which **SHALL** be selected from ValueSet [Country](#) urn:oid:2.16.840.1.113883.3.88.12.80.63 **DYNAMIC** (CONF:4537-5404).
  2. If **country** is US, this **addr** **SHALL** contain exactly one [1..1] **state**, which **SHALL** be selected from ValueSet **StateValueSet** 2.16.840.1.113883.3.88.12.80.1 **DYNAMIC** (CONF:4537-5402).  
Note: A nullFlavor of 'UNK' may be used if the state is unknown.
  3. If **country** is US, this **addr** **MAY** contain zero or one [0..1] **postalCode**, which **SHALL** be selected from ValueSet **PostalCode** urn:oid:2.16.840.1.113883.3.88.12.80.2 **DYNAMIC** (CONF:4537-5403).
14. This patient **SHOULD** contain zero or more [0..\*] **languageCommunication** (CONF:4537-5406).
  - a. The **languageCommunication**, if present, **SHALL** contain exactly one [1..1] **languageCode**, which **SHALL** be selected from ValueSet [Language](#) urn:oid:2.16.840.1.113883.1.11.11526 **DYNAMIC** (CONF:4537-5407).
  - b. The **languageCommunication**, if present, **MAY** contain zero or one [0..1] **modeCode**, which **SHALL** be selected from ValueSet [LanguageAbilityMode](#) urn:oid:2.16.840.1.113883.1.11.12249 **DYNAMIC** (CONF:4537-5409).
  - c. The **languageCommunication**, if present, **SHOULD** contain zero or one [0..1] **proficiencyLevelCode**, which **SHALL** be selected from ValueSet [LanguageAbilityProficiency](#) urn:oid:2.16.840.1.113883.1.11.12199 **DYNAMIC** (CONF:4537-9965).
  - d. The **languageCommunication**, if present, **SHOULD** contain zero or one [0..1] **preferenceInd** (CONF:4537-5414).
- v. This patientRole **MAY** contain zero or one [0..1] **providerOrganization** (CONF:4537-5416).
  1. The **providerOrganization**, if present, **SHALL** contain at least one [1..\*] **id** (CONF:4537-5417).
    - a. Such **ids** **SHOULD** contain zero or one [0..1] **@root="2.16.840.1.113883.4.6"** National Provider Identifier (CONF:4537-16820).
  2. The **providerOrganization**, if present, **SHALL** contain at least one [1..\*] **name** (CONF:4537-5419).

3. The providerOrganization, if present, **SHALL** contain at least one [1..\*] **telecom** (CONF:4537-5420).
  - a. Such telecoms **SHOULD** contain zero or one [0..1] **@use**, which **SHALL** be selected from ValueSet [Telecom Use \(US Realm Header\)](#) urn:oid:2.16.840.1.113883.11.20.9.20 **DYNAMIC** (CONF:4537-7994).
4. The providerOrganization, if present, **SHALL** contain at least one [1..\*] [US Realm Address \(AD.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-5422).

### 1.1.1.3 author

The author element represents the creator of the clinical document. The author may be a device or a person.

13. **SHALL** contain at least one [1..\*] **author** (CONF:4537-5444).
  - a. Such authors **SHALL** contain exactly one [1..1] [US Realm Date and Time \(DTM.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4) (CONF:4537-5445).
  - b. Such authors **SHALL** contain exactly one [1..1] **assignedAuthor** (CONF:4537-5448).
    - i. This assignedAuthor **SHALL** contain at least one [1..\*] **id** (CONF:4537-5449).

If this assignedAuthor is an assignedPerson

- ii. This assignedAuthor **SHOULD** contain zero or one [0..1] **id** (CONF:4537-32882) such that it

If id with @root="2.16.840.1.113883.4.6" National Provider Identifier is unknown then

1. **MAY** contain zero or one [0..1] **@nullFlavor="UNK"** Unknown (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:4537-32883).
2. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.4.6"** National Provider Identifier (CONF:4537-32884).
3. **SHOULD** contain zero or one [0..1] **@extension** (CONF:4537-32885).

Only if this assignedAuthor is an assignedPerson should the assignedAuthor contain a code.

- iii. This assignedAuthor **SHOULD** contain zero or one [0..1] **code** (CONF:4537-16787).
  1. The code, if present, **SHALL** contain exactly one [1..1] **@code**, which **SHOULD** be selected from ValueSet [Healthcare Provider Taxonomy](#) urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC** (CONF:4537-16788).
- iv. This assignedAuthor **SHALL** contain at least one [1..\*] [US Realm Address \(AD.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-5452).
- v. This assignedAuthor **SHALL** contain at least one [1..\*] **telecom** (CONF:4537-5428).

1. Such telecoms **SHOULD** contain zero or one [0..1] @use, which **SHALL** be selected from ValueSet [Telecom Use \(US Realm Header\)](#) urn:oid:2.16.840.1.113883.11.20.9.20 **DYNAMIC** (CONF:4537-7995).
- vi. This assignedAuthor **SHOULD** contain zero or one [0..1] assignedPerson (CONF:4537-5430).
  1. The assignedPerson, if present, **SHALL** contain at least one [1..\*] [US Realm Person Name \(PN.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:4537-16789).
- vii. This assignedAuthor **SHOULD** contain zero or one [0..1] assignedAuthoringDevice (CONF:4537-16783).
  1. The assignedAuthoringDevice, if present, **SHALL** contain exactly one [1..1] manufacturerModelName (CONF:4537-16784).
  2. The assignedAuthoringDevice, if present, **SHALL** contain exactly one [1..1] softwareName (CONF:4537-16785).
- viii. There **SHALL** be exactly one assignedAuthor/assignedPerson or exactly one assignedAuthor/assignedAuthoringDevice (CONF:4537-16790).

#### 1.1.1.4 dataEnterer

The dataEnterer element represents the person who transferred the content, written or dictated, into the clinical document. To clarify, an author provides the content found within the header or body of a document, subject to their own interpretation; a dataEnterer adds an author's information to the electronic system.

14. **MAY** contain zero or one [0..1] dataEnterer (CONF:4537-5441).
  - a. The dataEnterer, if present, **SHALL** contain exactly one [1..1] assignedEntity (CONF:4537-5442).
    - i. This assignedEntity **SHALL** contain at least one [1..\*] id (CONF:4537-5443).
      1. Such ids **SHOULD** contain zero or one [0..1] @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:4537-16821).
    - ii. This assignedEntity **MAY** contain zero or one [0..1] code, which **SHOULD** be selected from ValueSet [Healthcare Provider Taxonomy](#) urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC** (CONF:4537-32173).
    - iii. This assignedEntity **SHALL** contain at least one [1..\*] [US Realm Address \(AD.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-5460).
    - iv. This assignedEntity **SHALL** contain at least one [1..\*] telecom (CONF:4537-5466).
      1. Such telecoms **SHOULD** contain zero or one [0..1] @use, which **SHALL** be selected from ValueSet [Telecom Use \(US Realm Header\)](#) urn:oid:2.16.840.1.113883.11.20.9.20 **DYNAMIC** (CONF:4537-7996).
    - v. This assignedEntity **SHALL** contain exactly one [1..1] assignedPerson (CONF:4537-5469).



1. This assignedPerson **SHALL** contain at least one [1..\*] US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:4537-5470).

#### 1.1.1.5 informant

The informant element describes an information source for any content within the clinical document. This informant is constrained for use when the source of information is an assigned health care provider for the patient.

15. **MAY** contain zero or more [0..\*] **informant** (CONF:4537-8001) such that it
  - a. **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:4537-8002).
    - i. This assignedEntity **SHALL** contain at least one [1..\*] **id** (CONF:4537-9945).
      1. If assignedEntity/id is a provider then this id, **SHOULD** include zero or one [0..1] id where id/@root = "2.16.840.1.113883.4.6" National Provider Identifier (CONF:4537-9946).
    - ii. This assignedEntity **MAY** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet Healthcare Provider Taxonomy urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC** (CONF:4537-32174).
    - iii. This assignedEntity **SHALL** contain at least one [1..\*] US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-8220).
    - iv. This assignedEntity **SHALL** contain exactly one [1..1] **assignedPerson** (CONF:4537-8221).
      1. This assignedPerson **SHALL** contain at least one [1..\*] US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:4537-8222).

#### 1.1.1.6 informant

The informant element describes an information source (who is not a provider) for any content within the clinical document. This informant would be used when the source of information has a personal relationship with the patient or is the patient.

16. **MAY** contain zero or more [0..\*] **informant** (CONF:4537-31355) such that it
  - a. **SHALL** contain exactly one [1..1] **relatedEntity** (CONF:4537-31356).

#### 1.1.1.7 custodian

The custodian element represents the organization that is in charge of maintaining and is entrusted with the care of the document.

There is only one custodian per CDA document. Allowing that a CDA document may not represent the original form of the authenticated document, the custodian represents the steward of the original source document. The custodian may be the document originator, a health information exchange, or other responsible party.

17. **SHALL** contain exactly one [1..1] **custodian** (CONF:4537-5519).



- a. This custodian **SHALL** contain exactly one [1..1] **assignedCustodian** (CONF:4537-5520).
  - i. This assignedCustodian **SHALL** contain exactly one [1..1] **representedCustodianOrganization** (CONF:4537-5521).
    1. This representedCustodianOrganization **SHALL** contain at least one [1..\*] **id** (CONF:4537-5522).
      - a. Such ids **SHOULD** contain zero or one [0..1] **@root="2.16.840.1.113883.4.6" National Provider Identifier** (CONF:4537-16822).
    2. This representedCustodianOrganization **SHALL** contain exactly one [1..1] **name** (CONF:4537-5524).
    3. This representedCustodianOrganization **SHALL** contain exactly one [1..1] **telecom** (CONF:4537-5525).
      - a. This telecom **SHOULD** contain zero or one [0..1] **@use**, which **SHALL** be selected from ValueSet [Telecom Use \(US Realm Header\)](#) urn:oid:2.16.840.1.113883.11.20.9.20 **DYNAMIC** (CONF:4537-7998).
    4. This representedCustodianOrganization **SHALL** contain exactly one [1..1] [US Realm Address \(AD.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-5559).

#### 1.1.1.8 informationRecipient

The informationRecipient element records the intended recipient of the information at the time the document was created. In cases where the intended recipient of the document is the patient's health chart, set the receivedOrganization to the scoping organization for that chart.

18. **MAY** contain zero or more [0..\*] **informationRecipient** (CONF:4537-5565).
  - a. The informationRecipient, if present, **SHALL** contain exactly one [1..1] **intendedRecipient** (CONF:4537-5566).
    - i. This intendedRecipient **MAY** contain zero or more [0..\*] **id** (CONF:4537-32399).
    - ii. This intendedRecipient **MAY** contain zero or one [0..1] **informationRecipient** (CONF:4537-5567).
      1. The informationRecipient, if present, **SHALL** contain at least one [1..\*] [US Realm Person Name \(PN.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:4537-5568).
    - iii. This intendedRecipient **MAY** contain zero or one [0..1] **receivedOrganization** (CONF:4537-5577).
      1. The receivedOrganization, if present, **SHALL** contain exactly one [1..1] **name** (CONF:4537-5578).

#### 1.1.1.9 legalAuthenticator

The legalAuthenticator identifies the single person legally responsible for the document and must be present if the document has been legally authenticated. A clinical document that does

not contain this element has not been legally authenticated.

The act of legal authentication requires a certain privilege be granted to the legal authenticator depending upon local policy. Based on local practice, clinical documents may be released before legal authentication.

All clinical documents have the potential for legal authentication, given the appropriate credentials.

Local policies MAY choose to delegate the function of legal authentication to a device or system that generates the clinical document. In these cases, the legal authenticator is a person accepting responsibility for the document, not the generating device or system.

Note that the legal authenticator, if present, must be a person.

19. **SHOULD** contain zero or one [0..1] **legalAuthenticator** (CONF:4537-5579).

- a. The legalAuthenticator, if present, **SHALL** contain exactly one [1..1] **US Realm Date and Time (DTM.US.FIELDDED)** (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4) (CONF:4537-5580).
- b. The legalAuthenticator, if present, **SHALL** contain exactly one [1..1] **signatureCode** (CONF:4537-5583).
  - i. This signatureCode **SHALL** contain exactly one [1..1] **@code="S"** (CodeSystem: HL7ParticipationSignature urn:oid:2.16.840.1.113883.5.89 **STATIC**) (CONF:4537-5584).

#### 1.1.1.10 sdtc:signatureText

The sdtc:signatureText extension provides a location in CDA for a textual or multimedia depiction of the signature by which the participant endorses and accepts responsibility for his or her participation in the Act as specified in the Participation.typeCode. Details of what goes in the field are described in the HL7 CDA Digital Signature Standard balloted in Fall 2013.

- c. The legalAuthenticator, if present, **MAY** contain zero or one [0..1] **sdtc:signatureText** (CONF:4537-30810).

Note: The signature can be represented either inline or by reference according to the ED data type. Typical cases for CDA are:

  - 1) Electronic signature: this attribute can represent virtually any electronic signature scheme.
  - 2) Digital signature: this attribute can represent digital signatures by reference to a signature data block that is constructed in accordance to a digital signature standard, such as XML-DSIG, PKCS#7, PGP, etc.
- d. The legalAuthenticator, if present, **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:4537-5585).
  - i. This assignedEntity **SHALL** contain at least one [1..\*] **id** (CONF:4537-5586).
    1. Such ids **MAY** contain zero or one [0..1] **@root="2.16.840.1.113883.4.6"** National Provider Identifier (CONF:4537-16823).
  - ii. This assignedEntity **MAY** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet **Healthcare Provider Taxonomy** urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC** (CONF:4537-17000).

- iii. This assignedEntity **SHALL** contain at least one [1..\*] US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-5589).
- iv. This assignedEntity **SHALL** contain at least one [1..\*] **telecom** (CONF:4537-5595).
  - 1. Such telecoms **SHOULD** contain zero or one [0..1] @use, which **SHALL** be selected from ValueSet Telecom Use (US Realm Header) (identifier: urn:oid:2.16.840.1.113883.11.20.9.20 **DYNAMIC** (CONF:4537-7999).
- v. This assignedEntity **SHALL** contain exactly one [1..1] **assignedPerson** (CONF:4537-5597).
  - 1. This assignedPerson **SHALL** contain at least one [1..\*] US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:4537-5598).

#### 1.1.1.11 authenticator

The authenticator identifies a participant or participants who attest to the accuracy of the information in the document.

20. **MAY** contain zero or more [0..\*] **authenticator** (CONF:4537-5607) such that it
- a. **SHALL** contain exactly one [1..1] US Realm Date and Time (DTM.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4) (CONF:4537-5608).
  - b. **SHALL** contain exactly one [1..1] **signatureCode** (CONF:4537-5610).
    - i. This signatureCode **SHALL** contain exactly one [1..1] @code="S" (CodeSystem: HL7ParticipationSignature urn:oid:2.16.840.1.113883.5.89 **STATIC**) (CONF:4537-5611).

The sdtc:signatureText extension provides a location in CDA for a textual or multimedia depiction of the signature by which the participant endorses and accepts responsibility for his or her participation in the Act as specified in the Participation.typeCode. Details of what goes in the field are described in the HL7 CDA Digital Signature Standard balloted in Fall of 2013.

- c. **MAY** contain zero or one [0..1] **sdtc:signatureText** (CONF:4537-30811).  
Note: The signature can be represented either inline or by reference according to the ED data type. Typical cases for CDA are:
  - 1) Electronic signature: this attribute can represent virtually any electronic signature scheme.
  - 2) Digital signature: this attribute can represent digital signatures by reference to a signature data block that is constructed in accordance to a digital signature standard, such as XML-DSIG, PKCS#7, PGP, etc.
- d. **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:4537-5612).
  - i. This assignedEntity **SHALL** contain at least one [1..\*] **id** (CONF:4537-5613).
    - 1. Such ids **SHOULD** contain zero or one [0..1] @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:4537-16824).

- ii. This assignedEntity **MAY** contain zero or one [0..1] **code** (CONF:4537-16825).
  - 1. The code, if present, **MAY** contain zero or one [0..1] **@code**, which **SHOULD** be selected from ValueSet [Healthcare Provider Taxonomy](#) [urn:oid:2.16.840.1.114222.4.11.1066](#) **DYNAMIC** (CONF:4537-16826).
- iii. This assignedEntity **SHALL** contain at least one [1..\*] [US Realm Address \(AD.US.FIELDDED\)](#) (identifier: [urn:oid:2.16.840.1.113883.10.20.22.5.2](#)) (CONF:4537-5616).
- iv. This assignedEntity **SHALL** contain at least one [1..\*] **telecom** (CONF:4537-5622).
  - 1. Such telecoms **SHOULD** contain zero or one [0..1] **@use**, which **SHALL** be selected from ValueSet [Telecom Use \(US Realm Header\)](#) [urn:oid:2.16.840.1.113883.11.20.9.20](#) **DYNAMIC** (CONF:4537-8000).
- v. This assignedEntity **SHALL** contain exactly one [1..1] **assignedPerson** (CONF:4537-5624).
  - 1. This assignedPerson **SHALL** contain at least one [1..\*] [US Realm Person Name \(PN.US.FIELDDED\)](#) (identifier: [urn:oid:2.16.840.1.113883.10.20.22.5.1.1](#)) (CONF:4537-5625).

#### 1.1.1.12 participant

The participant element identifies supporting entities, including parents, relatives, caregivers, insurance policyholders, guarantors, and others related in some way to the patient. A supporting person or organization is an individual or an organization with a relationship to the patient. A supporting person who is playing multiple roles would be recorded in multiple participants (e.g., emergency contact and next-of-kin).

21. **MAY** contain zero or more [0..\*] **participant** (CONF:4537-10003) such that it
- a. **MAY** contain zero or one [0..1] **time** (CONF:4537-10004).
  - b. **SHALL** contain associatedEntity/associatedPerson *AND/OR* associatedEntity/scopingOrganization (CONF:4537-10006).
  - c. When participant/@typeCode is *IND*, associatedEntity/@classCode **SHOULD** be selected from ValueSet [2.16.840.1.113883.11.20.9.33](#) *INDRoleclassCodes* **DYNAMIC** (CONF:4537-10007).

#### 1.1.1.13 participant

This templated participant represents a **person** that has a relationship to the patient. (e.g., parent, next-of-kin, neighbor). The related person's name is required and it is recommended that the person's contact information is present. The more specific CDA participant of Guardian (recordTarget/patientRole/patient/guardian) can be used to represent a legally responsible guardian of the patient within the header. This template may be used to represent a person with any relationship to the patient within the header, or at the entry level when pertinent to a particular clinical statement.

22. **SHOULD** contain zero or more [0..\*] **participant** which includes [Related Person Relationship and Name Participant](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.5.8:2023-05-01) (CONF:4537-32994).

#### 1.1.1.14 inFulfillmentOf

The inFulfillmentOf element represents orders that are fulfilled by this document such as a radiologists' report of an x-ray.

23. **MAY** contain zero or more [0..\*] **inFulfillmentOf** (CONF:4537-9952).
- a. The inFulfillmentOf, if present, **SHALL** contain exactly one [1..1] **order** (CONF:4537-9953).
    - i. This order **SHALL** contain at least one [1..\*] **id** (CONF:4537-9954).

#### 1.1.1.15 documentationOf

24. **MAY** contain zero or more [0..\*] **documentationOf** (CONF:4537-14835).

A serviceEvent represents the main act being documented, such as a colonoscopy or a cardiac stress study. In a provision of healthcare serviceEvent, the care providers, PCP, or other longitudinal providers, are recorded within the serviceEvent. If the document is about a single encounter, the providers associated can be recorded in the componentOf/encompassingEncounter template.

- a. The documentationOf, if present, **SHALL** contain exactly one [1..1] **serviceEvent** (CONF:4537-14836).
  - i. This serviceEvent **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4537-14837).
    1. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:4537-14838).

#### 1.1.1.16 performer

The performer participant represents clinicians who actually and principally carry out the serviceEvent. In a transfer of care this represents the healthcare providers involved in the current or pertinent historical care of the patient. Preferably, the patient's key healthcare care team members would be listed, particularly their primary physician and any active consulting physicians, therapists, and counselors.

- ii. This serviceEvent **SHOULD** contain zero or more [0..\*] **performer** (CONF:4537-14839).
  1. The performer, if present, **SHALL** contain exactly one [1..1] **@typeCode**, which **SHALL** be selected from ValueSet [x ServiceEventPerformer](#) urn:oid:2.16.840.1.113883.1.11.19601 **STATIC** (CONF:4537-14840).
  2. The performer, if present, **MAY** contain zero or one [0..1] **functionCode** (CONF:4537-16818).
    - a. The functionCode, if present, **SHOULD** contain zero or one [0..1] **@code**, which **SHOULD** be selected from ValueSet [Care Team](#)

#### Member Function

urn:oid:2.16.840.1.113762.1.4.1099.30 **DYNAMIC**  
(CONF:4537-32889).

3. The performer, if present, **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:4537-14841).
  - a. This assignedEntity **SHALL** contain at least one [1..\*] **id** (CONF:4537-14846).
    - i. Such ids **SHOULD** contain zero or one [0..1] **@root**="2.16.840.1.113883.4.6" National Provider Identifier (CONF:4537-14847).
  - b. This assignedEntity **SHOULD** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet Healthcare Provider Taxonomy  
urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC**  
(CONF:4537-14842).

#### 1.1.1.17 authorization

The authorization element represents information about the patient's consent.

The type of consent is conveyed in consent/code. Consents in the header have been finalized (consent/statusCode must equal Completed) and should be on file. This specification does not address how 'Privacy Consent' is represented, but does not preclude the inclusion of 'Privacy Consent'.

The authorization consent is used for referring to consents that are documented elsewhere in the EHR or medical record for a health condition and/or treatment that is described in the CDA document.

25. **MAY** contain zero or more [0..\*] **authorization** (CONF:4537-16792) such that it
  - a. **SHALL** contain exactly one [1..1] **consent** (CONF:4537-16793).
    - i. This consent **MAY** contain zero or more [0..\*] **id** (CONF:4537-16794).
    - ii. This consent **MAY** contain zero or one [0..1] **code** (CONF:4537-16795).  
Note: The type of consent (e.g., a consent to perform the related serviceEvent) is conveyed in consent/code.
    - iii. This consent **SHALL** contain exactly one [1..1] **statusCode** (CONF:4537-16797).
      1. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:4537-16798).

#### 1.1.1.18 componentOf

The encompassing encounter represents the setting of the clinical encounter during which the document act(s) or ServiceEvent(s) occurred. In order to represent providers associated with a specific encounter, they are recorded within the encompassingEncounter as participants. In a CCD, the encompassingEncounter may be used when documenting a specific encounter and its participants. All relevant encounters in a CCD may be listed in the encounters section.

26. **MAY** contain zero or one [0..1] **componentOf** (CONF:4537-9955).

- a. The componentOf, if present, **SHALL** contain exactly one [1..1] **encompassingEncounter** (CONF:4537-9956).
  - i. This encompassingEncounter **SHALL** contain at least one [1..\*] **id** (CONF:4537-9959).
  - ii. This encompassingEncounter **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4537-9958).

**Table 4: Race Value Set**

Value Set: Race Value Set urn:oid:2.16.840.1.113883.1.11.14914 (Clinical Focus: All concepts that can describe a person's "race" as defined by the United States Bureau of Census),(Data Element Scope: Personal Demographic information, can be multiple.),(Inclusion Criteria: All descendant concepts from the concept "1000-9 Race", excluding that root concept, as derived from the Race and Ethnicity - CDC code system.),(Exclusion Criteria: Concepts that are not a descendant of "Race", therefore, no concepts descendant from "2133-7 Ethnicity". Also the root concept "Race".)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.14914/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.14914/expansion</a>			
Code	Code System	Code System OID	Print Name
1002-5	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	American Indian or Alaska Native
1004-1	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	American Indian
1006-6	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Abenaki
1008-2	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Algonquian
1010-8	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Apache
1011-6	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Chiricahua
1012-4	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Fort Sill Apache
1013-2	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Jicarilla Apache
1014-0	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Lipan Apache
1015-7	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Mescalero Apache
...			

**Table 5: Telecom Use (US Realm Header)**

Value Set: Telecom Use (US Realm Header) urn:oid:2.16.840.1.113883.11.20.9.20 (Clinical Focus: The purpose for which an entity is assigned a telecom address),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.20/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.20/expansion</a>			
Code	Code System	Code System OID	Print Name
AS	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	answering service
EC	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	emergency contact
HP	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	primary home
HV	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	vacation home
MC	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	mobile contact)
PG	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	pager
WP	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	work place



**Table 6: Personal And Legal Relationship Role Type**

Value Set: Personal And Legal Relationship Role Type urn:oid:2.16.840.1.113883.11.20.12.1 (Clinical Focus: A personal or legal relationship records the role of a person in relation to another person, or a person to himself or herself. This value set is to be used when recording relationships based on personal or family ties or through legal assignment of responsibility.),(Data Element Scope: C-CDA v2.1 Any person role such as Guardian and associatedEntity. Many @code references.),(Inclusion Criteria: Union of: (Descendants of _PersonalRelationshipRoleType OR Descendants of RESPRSN)),(Exclusion Criteria: not in the inclusion criteria)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.12.1/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.12.1/expansion</a>			
Code	Code System	Code System OID	Print Name
ADOPTF	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	adoptive father
ADOPTM	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	adoptive mother
ADOPTP	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	adoptive parent
AUNT	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	aunt
BRO	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	brother
BROINLAW	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	brother-in-law
CHILD	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	child
CHLDADOPT	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	adopted child
CHLDFOST	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	foster child
CHLDINLAW	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	child-in-law
...			

**Table 7: Country**

Value Set: Country urn:oid:2.16.840.1.113883.3.88.12.80.63			
This identifies the codes for the representation of names of countries, territories and areas of geographical interest. Contains the ISO 3166-1 code elements available in the alpha-2 code of ISOs country code standard.			
Value Set Source: <a href="http://hl7.org/fhir/ValueSet/iso3166-1-2">http://hl7.org/fhir/ValueSet/iso3166-1-2</a>			
Code	Code System	Code System OID	Print Name
AD	Country (ISO 3166-1)	urn:oid:1.0.3166.1	Andorra
AE	Country (ISO 3166-1)	urn:oid:1.0.3166.1	United Arab Emirates
AF	Country (ISO 3166-1)	urn:oid:1.0.3166.1	Afghanistan
AG	Country (ISO 3166-1)	urn:oid:1.0.3166.1	Antigua and Barbuda
AI	Country (ISO 3166-1)	urn:oid:1.0.3166.1	Anguilla
AL	Country (ISO 3166-1)	urn:oid:1.0.3166.1	Albania
AM	Country (ISO 3166-1)	urn:oid:1.0.3166.1	Armenia
AO	Country (ISO 3166-1)	urn:oid:1.0.3166.1	Angola
AQ	Country (ISO 3166-1)	urn:oid:1.0.3166.1	Antarctica
AR	Country (ISO 3166-1)	urn:oid:1.0.3166.1	Argentina
...			

**Table 8: Language**

Value Set: Language urn:oid:2.16.840.1.113883.1.11.11526 A value set of codes defined by Internet RFC 5646.  Use 2 character code if one exists. Use 3 character code if a 2 character code does not exist. Including type = region is allowed  See <a href="http://www.iana.org/assignments/language-subtag-registry/language-subtag-registry">http://www.iana.org/assignments/language-subtag-registry/language-subtag-registry</a> Value Set Source: <a href="http://www.loc.gov/standards/iso639-2/php/code_list.php">http://www.loc.gov/standards/iso639-2/php/code_list.php</a>			
Code	Code System	Code System OID	Print Name
aa	Language	urn:oid:2.16.840.1.113883.6.12 1	Afar
ab	Language	urn:oid:2.16.840.1.113883.6.12 1	Abkhazian
ace	Language	urn:oid:2.16.840.1.113883.6.12 1	Achinese
ach	Language	urn:oid:2.16.840.1.113883.6.12 1	Acoli
ada	Language	urn:oid:2.16.840.1.113883.6.12 1	Adangme
ady	Language	urn:oid:2.16.840.1.113883.6.12 1	Adyghe; Adygei
ae	Language	urn:oid:2.16.840.1.113883.6.12 1	Avestan
af	Language	urn:oid:2.16.840.1.113883.6.12 1	Afrikaans
afa	Language	urn:oid:2.16.840.1.113883.6.12 1	Afro-Asiatic (Other)
afh	Language	urn:oid:2.16.840.1.113883.6.12 1	Afrihili
...			

**Table 9: LanguageAbilityMode**

Value Set: LanguageAbilityMode urn:oid:2.16.840.1.113883.1.11.12249 (Clinical Focus: Channels for expressing and receiving human language),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )			
This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12249/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12249/expansion</a>			
Code	Code System	Code System OID	Print Name
ESGN	HL7LanguageAbilityMode	urn:oid:2.16.840.1.113883.5.60	Expressed signed
ESP	HL7LanguageAbilityMode	urn:oid:2.16.840.1.113883.5.60	Expressed spoken
EWR	HL7LanguageAbilityMode	urn:oid:2.16.840.1.113883.5.60	Expressed written
RSGN	HL7LanguageAbilityMode	urn:oid:2.16.840.1.113883.5.60	Received signed
RSP	HL7LanguageAbilityMode	urn:oid:2.16.840.1.113883.5.60	Received spoken
RWR	HL7LanguageAbilityMode	urn:oid:2.16.840.1.113883.5.60	Received written

**Table 10: LanguageAbilityProficiency**

Value Set: LanguageAbilityProficiency urn:oid:2.16.840.1.113883.1.11.12199 (Clinical Focus: A person's level of proficiency in a language),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )			
This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12199/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12199/expansion</a>			
Code	Code System	Code System OID	Print Name
E	HL7LanguageAbilityProficiency	urn:oid:2.16.840.1.113883.5.61	Excellent
F	HL7LanguageAbilityProficiency	urn:oid:2.16.840.1.113883.5.61	Fair
G	HL7LanguageAbilityProficiency	urn:oid:2.16.840.1.113883.5.61	Good
P	HL7LanguageAbilityProficiency	urn:oid:2.16.840.1.113883.5.61	Poor

**Table 11: Administrative Gender (HL7 V3)**

Value Set: Administrative Gender (HL7 V3) urn:oid:2.16.840.1.113883.1.11.1 (Clinical Focus: The gender of a person used for administrative purposes (as opposed to clinical gender)),(Data Element Scope: ),(Inclusion Criteria: All codes in the HL7 V3 AdministrativeGender code system),(Exclusion Criteria: )			
This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.1/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.1/expansion</a>			
Code	Code System	Code System OID	Print Name
F	Administrative Gender	urn:oid:2.16.840.1.113883.5.1	Female
M	Administrative Gender	urn:oid:2.16.840.1.113883.5.1	Male
UN	Administrative Gender	urn:oid:2.16.840.1.113883.5.1	Undifferentiated

**Table 12: Marital Status**

Value Set: Marital Status urn:oid:2.16.840.1.113883.1.11.12212 (Clinical Focus: The domestic partnership status of a person.), (Data Element Scope: Marital Status), (Inclusion Criteria: All codes in the HL7 MaritalStatus code system), (Exclusion Criteria: Any non-selectable codes)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12212/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12212/expansion</a>			
Code	Code System	Code System OID	Print Name
A	HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2	Annulled
C	HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2	Common Law
D	HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2	Divorced
I	HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2	Interlocutory
L	HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2	Legally Separated
M	HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2	Married
P	HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2	Polygamous
S	HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2	Never Married
T	HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2	Domestic partner
U	HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2	unmarried
...			

**Table 13: Religious Affiliation**

Value Set: Religious Affiliation urn:oid:2.16.840.1.113883.1.11.19185 (Clinical Focus: A person's faith affiliation),(Data Element Scope: ),(Inclusion Criteria: All codes in the HL7 ReligiousAffiliation code system),(Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19185/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19185/expansion</a>			
Code	Code System	Code System OID	Print Name
1001	HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076	Adventist
1002	HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076	African Religions
1003	HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076	Afro-Caribbean Religions
1004	HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076	Agnosticism
1005	HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076	Anglican
1006	HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076	Animism
1007	HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076	Atheism
1008	HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076	Babi & Baha'I faiths
1009	HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076	Baptist
1010	HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076	Bon
...			

**Table 14: Race Category Excluding Nulls**

<p>Value Set: Race Category Excluding Nulls urn:oid:2.16.840.1.113883.3.2074.1.1.3 (Clinical Focus: The top-level "Race" concepts as defined by US Office of Management and Budget (OMB), excluding "Other race". All "Race" concepts in the Race and Ethnicity - CDC code system roll-up to one of these codes.), (Data Element Scope: Demographic categorization of a person's race (can be multiple).), (Inclusion Criteria: Direct children of the "1000-9 Race" concept in the Race and Ethnicity Code system.), (Exclusion Criteria: Specifically exclude "2131-1 Other Race" and any descendant of the concepts defined in the inclusion criteria.)</p> <p>This value set was imported on 10/24/2024 with a version of Latest.</p> <p>Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.2074.1.1.3/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.2074.1.1.3/expansion</a></p>			
Code	Code System	Code System OID	Print Name
1002-5	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	American Indian or Alaska Native
2028-9	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Asian
2054-5	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Black or African American
2076-8	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Native Hawaiian or Other Pacific Islander
2106-3	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	White

**Table 15: Ethnicity**

<p>Value Set: Ethnicity urn:oid:2.16.840.1.114222.4.11.837 (Clinical Focus: ), (Data Element Scope: ), (Inclusion Criteria: ), (Exclusion Criteria: )</p> <p>This value set was imported on 10/24/2024 with a version of Latest.</p> <p>Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.837/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.837/expansion</a></p>			
Code	Code System	Code System OID	Print Name
2135-2	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Hispanic or Latino
2186-5	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Not Hispanic or Latino

**Table 16: Detailed Ethnicity**

<p>Value Set: Detailed Ethnicity urn:oid:2.16.840.1.114222.4.11.877</p> <p>(Clinical Focus: All concepts that can describe a person's "ethnicity" as defined by the United States Bureau of Census. This includes the US Office of Management and Budget (OMB) two top-level ethnicity categories, plus all the more detailed descendant ethnicity concepts used by the US Bureau of Census.),(Data Element Scope: Personal Demographic information, can be multiple.),(Inclusion Criteria: All descendant concepts from the concept "2133-7 Ethnicity", excluding that root concept, as derived from the Race and Ethnicity - CDC code system.),(Exclusion Criteria: Concepts that are not a descendant of "2133-7 Ethnicity", therefore, no concepts descendant from "1000-9 Race". Also the root concept "Ethnicity".)</p> <p>This value set was imported on 10/24/2024 with a version of Latest.</p> <p>Value Set Source:</p> <p><a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.877/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.877/expansion</a></p>			
Code	Code System	Code System OID	Print Name
2137-8	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Spaniard
2138-6	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Andalusian
2139-4	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Asturian
2140-2	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Castillian
2141-0	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Catalonian
2142-8	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Belearic Islander
2143-6	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Gallego
2144-4	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Valencian
2145-1	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Canarian
2146-9	Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238	Spanish Basque
...			



**Table 17: Healthcare Provider Taxonomy**

Value Set: Healthcare Provider Taxonomy urn:oid:2.16.840.1.114222.4.11.1066 (Clinical Focus: Represent the "type" of health care provider individual or organization using the National Uniform Claims Committee (NUCC) code system),(Data Element Scope: The assignedEntity attribute),(Inclusion Criteria: All codes in the NUCC Provider Taxonomy code system),(Exclusion Criteria: None)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.1066/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.1066/expansion</a>			
Code	Code System	Code System OID	Print Name
101200000X	Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101	Behavioral Health & Social Service Providers; Drama Therapist
101Y00000X	Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101	Behavioral Health & Social Service Providers; Counselor
101YA0400X	Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101	Behavioral Health & Social Service Providers; Counselor, Addiction (Substance Use Disorder)
101YM0800X	Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101	Behavioral Health & Social Service Providers; Counselor, Mental Health
101YP1600X	Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101	Behavioral Health & Social Service Providers; Counselor, Pastoral
101YP2500X	Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101	Behavioral Health & Social Service Providers; Counselor, Professional
101YS0200X	Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101	Behavioral Health & Social Service Providers; Counselor, School
102L00000X	Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101	Behavioral Health & Social Service Providers; Psychoanalyst
102X00000X	Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101	Behavioral Health & Social Service Providers; Poetry Therapist
103G00000X	Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101	Behavioral Health & Social Service Providers; Clinical Neuropsychologist
...			

**Table 18: INDRoleclassCodes**

Value Set: INDRoleclassCodes urn:oid:2.16.840.1.113883.11.20.9.33 (Clinical Focus: The relationship between a patient and a document participant),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.33/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.33/expansion</a>			
Code	Code System	Code System OID	Print Name
AGNT	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	agent
CAREGIVER	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	caregiver
ECON	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	emergency contact
GUAR	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	guarantor
NOK	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	next of kin
PRS	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	personal relationship

**Table 19: Care Team Member Function**

<p>Value Set: Care Team Member Function urn:oid:2.16.840.1.113762.1.4.1099.30</p> <p>(Clinical Focus: This set of concepts describes the function performed on a patient-centered care team. This value set contains concepts that describe a functional role played by a member of a care team on a particular care team.),(Data Element Scope: A functional role on a patient's care team.),(Inclusion Criteria: The set of commonly played roles on a patient-centered care team.),(Exclusion Criteria: Functional roles on care teams that are not patient-centered. For example, hospital's may define teams of practitioners who fill roles that are relevant to the function of the hospital's operation. These roles would not be included when they are not roles that would be played on a patient-centered care team.)</p> <p>This value set was imported on 10/24/2024 with a version of Latest.</p> <p>Value Set Source:  <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.30/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.30/expansion</a></p>			
Code	Code System	Code System OID	Print Name
1012901000168106	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Gynecologic oncologist (occupation)
1032781000168105	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Kinesiology practitioner (occupation)
106289002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Dentist (occupation)
106292003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Professional nurse (occupation)
106293008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Nursing personnel (occupation)
106294002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Midwifery personnel (occupation)
106310008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Worker in religion (occupation)
106311007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Minister of religion/related member of religious order (occupation)
106330007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Philologist, translator/interpreter (occupation)
11015003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Minister of religion (occupation)
...			

**Table 20: x\_ServiceEventPerformer**

Value Set: x_ServiceEventPerformer urn:oid:2.16.840.1.113883.1.11.19601 (Clinical Focus: Characterize the degree of responsibility of the event performer),(Data Element Scope: Performer type code per C-CDA r2.1 CONF:1198- 14840),(Inclusion Criteria: only selected codes),(Exclusion Criteria: only selected codes)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19601/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19601/expansion</a>			
Code	Code System	Code System OID	Print Name
PPRF	HL7ParticipationType	urn:oid:2.16.840.1.113883.5.90	primary performer
PRF	HL7ParticipationType	urn:oid:2.16.840.1.113883.5.90	performer
SPRF	HL7ParticipationType	urn:oid:2.16.840.1.113883.5.90	secondary performer

**Table 21: HL7 BasicConfidentialityKind**

Value Set: HL7 BasicConfidentialityKind urn:oid:2.16.840.1.113883.1.11.16926 (Clinical Focus: Commonly used confidentiality constraints placed upon clinical documents),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.16926/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.16926/expansion</a>			
Code	Code System	Code System OID	Print Name
N	HL7Confidentiality	urn:oid:2.16.840.1.113883.5.25	normal
R	HL7Confidentiality	urn:oid:2.16.840.1.113883.5.25	restricted
V	HL7Confidentiality	urn:oid:2.16.840.1.113883.5.25	very restricted

**Figure 1: US Realm Header Example**

```
<ClinicalDocument>
  <realmCode code="US" />
  <typeId extension="POCD_HD000040" root="2.16.840.1.113883.1.3" />
  <!-- CCD template -->
  <templateId root="2.16.840.1.113883.10.20.22.1.1" extension="2015-08-01" />
  <!-- Globally unique identifier for the document -->
  <id extension="TT988" root="2.16.840.1.113883.19.5.99999.1" />
  <code code="34133-9" displayName="Summarization of Episode Note"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" />
  <!-- Title of the document -->
  <title>Patient Chart Summary</title>
  <effectiveTime value="201209151030-0800" />
  <confidentialityCode code="N" displayName="normal" codeSystem="2.16.840.1.113883.5.25"
codeSystemName="Confidentiality" />
  <languageCode code="en-US" />
  <setId extension="sTT988" root="2.16.840.1.113883.19.5.99999.19" />
  <!-- Version of the document -->
  <versionNumber value="1" />
  . . .
</ClinicalDocument>
```

**Figure 2: recordTarget Example**

```
<recordTarget>
  <patientRole>
    <id extension="444-22-2222" root="2.16.840.1.113883.4.1" />
    <!-- Example Social Security Number using the actual SSN OID. -->
    <addr use="HP">
      <!-- HP is "primary home" from codeSystem 2.16.840.1.113883.5.1119 -->
      <streetAddressLine>2222 Home Street</streetAddressLine>
      <city>Beaverton</city>
      <state>OR</state>
      <postalCode>97867</postalCode>
      <country>US</country>
      <!-- US is "United States" from ISO 3166-1 Country Codes: 1.0.3166.1 -->
    </addr>
    <telecom value="tel:+1(555)555-2003" use="HP" />
    <!-- HP is "primary home" from HL7 AddressUse 2.16.840.1.113883.5.1119 -->
  </patientRole>
  <!-- The first name element represents what the patient is known as -->
  <name use="L">
    <given>Eve</given>
    <!-- The "SP" is "Spouse" from
          HL7 Code System EntityNamePartQualifier 2.16.840.1.113883.5.43 -->
    <family qualifier="SP">Betterhalf</family>
  </name>
  <!-- The second name element represents another name
        associated with the patient -->
  <name>
    <given>Eve</given>
    <!-- The "BR" is "Birth" from
          HL7 Code System EntityNamePartQualifier 2.16.840.1.113883.5.43 -->
    <family qualifier="BR">Everywoman</family>
  </name>
  <administrativeGenderCode code="F" displayName="Female"
codeSystem="2.16.840.1.113883.5.1" codeSystemName="AdministrativeGender" />
  <!-- Date of birth need only be precise to the day -->
  <birthTime value="19750501" />
  <maritalStatusCode code="M" displayName="Married"
codeSystem="2.16.840.1.113883.5.2" codeSystemName="MaritalStatusCode" />
  <religiousAffiliationCode code="1013" displayName="Christian (non-Catholic,
non-specific)" codeSystem="2.16.840.1.113883.5.1076" codeSystemName="HL7 Religious
Affiliation" />
  <!-- CDC Race and Ethnicity code set contains the five minimum
        race and ethnicity categories defined by OMB Standards -->
  <raceCode code="2106-3" displayName="White"
codeSystem="2.16.840.1.113883.6.238" codeSystemName="Race & Ethnicity - CDC" />
  <!-- The raceCode extension is only used if raceCode is valued -->
  <sdtc:raceCode code="2076-8" displayName="Hawaiian or Other Pacific Islander"
codeSystem="2.16.840.1.113883.6.238" codeSystemName="Race & Ethnicity - CDC" />
  <ethnicGroupCode code="2186-5" displayName="Not Hispanic or Latino"
codeSystem="2.16.840.1.113883.6.238" codeSystemName="Race & Ethnicity - CDC" />
  <guardian>
    <code code="POWATT" displayName="Power of Attorney"
codeSystem="2.16.840.1.113883.1.11.19830" codeSystemName="ResponsibleParty" />
    <addr use="HP">
      <streetAddressLine>2222 Home Street</streetAddressLine>
      <city>Beaverton</city>
```

```

        <state>OR</state>
        <postalCode>97867</postalCode>
        <country>US</country>
    </addr>
    <telecom value="tel:+1(555)555-2008" use="MC" />
    <guardianPerson>
        <name>
            <given>Boris</given>
            <given qualifier="CL">Bo</given>
            <family>Betterhalf</family>
        </name>
    </guardianPerson>
</guardian>
<birthplace>
    <place>
        <addr>
            <streetAddressLine>4444 Home Street</streetAddressLine>
            <city>Beaverton</city>
            <state>OR</state>
            <postalCode>97867</postalCode>
            <country>US</country>
        </addr>
    </place>
</birthplace>
<languageCommunication>
    <languageCode code="eng" />
    <!-- "eng" is ISO 639-2 alpha-3 code for "English" -->
    <modeCode code="ESP" displayName="Expressed spoken"
codeSystem="2.16.840.1.113883.5.60" codeSystemName="LanguageAbilityMode" />
    <proficiencyLevelCode code="G" displayName="Good"
codeSystem="2.16.840.1.113883.5.61" codeSystemName="LanguageAbilityProficiency" />
    <!-- Patient's preferred language -->
    <preferenceInd value="true" />
</languageCommunication>
</patient>
<providerOrganization>
    <id extension="219BX" root="1.1.1.1.1.1.1.2" />
    <name>The DoctorsTogether Physician Group</name>
    <telecom use="WP" value="tel: +(555)-555-5000" />
    <addr>
        <streetAddressLine>1007 Health Drive</streetAddressLine>
        <city>Portland</city>
        <state>OR</state>
        <postalCode>99123</postalCode>
        <country>US</country>
    </addr>
</providerOrganization>
</patientRole>
</recordTarget>

```

**Figure 3: author Example**

```
<author>
  <time value="201209151030-0800" />
  <assignedAuthor>
    <id extension="5555555555" root="2.16.840.1.113883.4.6" />
    <code code="163W00000X" displayName="Registered nurse"
codeSystem="2.16.840.1.113883.5.53" codeSystemName="Health Care Provider Taxonomy" />
    <addr>
      <streetAddressLine>1004 Healthcare Drive </streetAddressLine>
      <city>Portland</city>
      <state>OR</state>
      <postalCode>99123</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1(555)555-1004" />
    <assignedPerson>
      <name>
        <given>Patricia</given>
        <given qualifier="CL">Patty</given>
        <family>Primary</family>
        <suffix qualifier="AC">M.D.</suffix>
      </name>
    </assignedPerson>
  </assignedAuthor>
</author>
```

**Figure 4: dateEnterer Example**

```
<dataEnterer>
  <assignedEntity>
    <id extension="333777777" root="2.16.840.1.113883.4.6" />
    <addr>
      <streetAddressLine>1007 Healthcare Drive</streetAddressLine>
      <city>Portland</city>
      <state>OR</state>
      <postalCode>99123</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1(555)555-1050" />
    <assignedPerson>
      <name>
        <given>Ellen</given>
        <family>Enter</family>
      </name>
    </assignedPerson>
  </assignedEntity>
</dataEnterer>
```



**Figure 5: Assigned Health Care Provider informant Example**

```
<informant>
  <assignedEntity>
    <id extension="8888888888" root="1.1.1.1.1.1.1.3" />
    <addr>
      <streetAddressLine>1007 Healthcare Drive</streetAddressLine>
      <city>Portland</city>
      <state>OR</state>
      <postalCode>99123</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1(555)555-1003" />
    <assignedPerson>
      <name>
        <given>Harold</given>
        <family>Hippocrates</family>
        <suffix qualifier="AC">M.D.</suffix>
      </name>
    </assignedPerson>
    <representedOrganization>
      <name>The DoctorsApart Physician Group</name>
    </representedOrganization>
  </assignedEntity>
</informant>
```

**Figure 6: Personal Relation informant Example**

```
<informant>
  <relatedEntity classCode="PRS">
    <!-- classCode "PRS" represents a person with personal relationship with the
patient -->
    <code code="SPS" displayName="SPOUSE" codeSystem="2.16.840.1.113883.1.11.19563"
codeSystemName="Personal Relationship Role Type Value Set" />
    <relatedPerson>
      <name>
        <given>Boris</given>
        <given qualifier="CL">Bo</given>
        <family>Betterhalf</family>
      </name>
    </relatedPerson>
  </relatedEntity>
</informant>
```

**Figure 7: custodian Example**

```
<custodian>
  <assignedCustodian>
    <representedCustodianOrganization>
      <id extension="321CX" root="1.1.1.1.1.1.1.1.3" />
      <name>Good Health HIE</name>
      <telecom use="WP" value="tel:+1(555)555-1009" />
      <addr use="WP">
        <streetAddressLine>1009 Healthcare Drive </streetAddressLine>
        <city>Portland</city>
        <state>OR</state>
        <postalCode>99123</postalCode>
        <country>US</country>
      </addr>
    </representedCustodianOrganization>
  </assignedCustodian>
</custodian>
```

**Figure 8: informationRecipient Example**

```
<informationRecipient>
  <intendedRecipient>
    <informationRecipient>
      <name>
        <given>Sara</given>
        <family>Specialize</family>
        <suffix qualifier="AC">M.D.</suffix>
      </name>
    </informationRecipient>
    <receivedOrganization>
      <name>The DoctorsApart Physician Group</name>
    </receivedOrganization>
  </intendedRecipient>
</informationRecipient>
```

**Figure 9: Digital signature Example**

```
<sdtc:signatureText mediaType="text/xml"
representation="B64">omSJUEdmde9j44zmMiromSJUEdmde9j44zmMirdMDSsWdIJdksIJR3373jeu83
6edjzMMIjdMDSsWdIJdksIJR3373jeu83MNYD83jmMdomSJUEdmde9j44zmMir
... MNYD83jmMdomSJUEdmde9j44zmMir6edjzMMIjdMDSsWdIJdksIJR3373jeu83
4zmMir6edjzMMIjdMDSsWdIJdksIJR3373jeu83==</sdtc:signatureText>
```

**Figure 10: legalAuthenticator Example**

```
<legalAuthenticator>
  <time value="20120915223615-0800" />
  <signatureCode code="S" />
  <assignedEntity>
    <id extension="5555555555" root="2.16.840.1.113883.4.6" />
    <code code="207QA0505X" displayName="Adult Medicine"
codeSystem="2.16.840.1.113883.5.53" codeSystemName="Health Care Provider Taxonomy" />
    <addr>
      <streetAddressLine>1004 Healthcare Drive </streetAddressLine>
      <city>Portland</city>
      <state>OR</state>
      <postalCode>99123</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1(555)555-1004" />
    <assignedPerson>
      <name>
        <given>Patricia</given>
        <given qualifier="CL">Patty</given>
        <family>Primary</family>
        <suffix qualifier="AC">M.D.</suffix>
      </name>
    </assignedPerson>
  </assignedEntity>
</legalAuthenticator>
```

**Figure 11: authenticator Example**

```
<authenticator>
  <time value="201209151030-0800" />
  <signatureCode code="S" />
  <assignedEntity>
    <id extension="5555555555" root="2.16.840.1.113883.4.6" />
    <code code="207QA0505X" displayName="Adult Medicine"
codeSystem="2.16.840.1.113883.5.53" codeSystemName="Health Care Provider Taxonomy" />
    <addr>
      <streetAddressLine>1004 Healthcare Drive</streetAddressLine>
      <city>Portland</city>
      <state>OR</state>
      <postalCode>99123</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1(555)555-1004" />
    <assignedPerson>
      <name>
        <given>Patricia</given>
        <given qualifier="CL">Patty</given>
        <family>Primary</family>
        <suffix qualifier="AC">M.D.</suffix>
      </name>
    </assignedPerson>
  </assignedEntity>
</authenticator>
```

**Figure 12: Supporting Person participant Example**

```
<participant typeCode="IND">
  <!-- typeCode "IND" represents an individual -->
  <associatedEntity classCode="NOK">
    <!-- classCode "NOK" represents the patient's next of kin-->
    <addr use="HP">
      <streetAddressLine>2222 Home Street</streetAddressLine>
      <city>Beaverton</city>
      <state>OR</state>
      <postalCode>97867</postalCode>
      <country>US</country>
    </addr>
    <telecom value="tel:+1(555)555-2008" use="MC" />
    <associatedPerson>
      <name>
        <given>Boris</given>
        <given qualifier="CL">Bo</given>
        <family>Betterhalf</family>
      </name>
    </associatedPerson>
  </associatedEntity>
</participant>
<!-- Entities playing multiple roles are recorded in multiple participants -->
<participant typeCode="IND">
  <associatedEntity classCode="ECON">
    <!-- classCode "ECON" represents an emergency contact -->
    <addr use="HP">
      <streetAddressLine>2222 Home Street</streetAddressLine>
      <city>Beaverton</city>
      <state>OR</state>
      <postalCode>97867</postalCode>
      <country>US</country>
    </addr>
    <telecom value="tel:+1(555)555-2008" use="MC" />
    <associatedPerson>
      <name>
        <given>Boris</given>
        <given qualifier="CL">Bo</given>
        <family>Betterhalf</family>
      </name>
    </associatedPerson>
  </associatedEntity>
</participant>
```

**Figure 13: inFulfillmentOf Example**

```
<inFulfillmentOf typeCode="FLFS">
  <order classCode="ACT" moodCode="RQO">
    <id root="629deb70-5306-11df-9879-0800200c9a66" extension="1298989898" />
    <code code="1011220" displayName="Clinical pathology consultation"
codeSystem="2.16.840.1.113883.6.12" codeSystemName="CPT" />
  </order>
</inFulfillmentOf>
```

**Figure 14: performer Example**

```
<performer typeCode="PRF">
  <functionCode code="PCP"
    displayName="Primary Care Provider"
    codeSystem="2.16.840.1.113883.5.88"
    codeSystemName="ParticipationFunction">
    <originalText>Primary Care Provider</originalText>
  </functionCode>
  <assignedEntity>
    <id extension="5555555555" root="2.16.840.1.113883.4.6" />
    <code code="207QA0505X" displayName="Adult Medicine"
codeSystem="2.16.840.1.113883.5.53" codeSystemName="Health Care Provider Taxonomy" />
    <addr>
      <streetAddressLine>1004 Healthcare Drive </streetAddressLine>
      <city>Portland</city>
      <state>OR</state>
      <postalCode>99123</postalCode>
      <country>US</country>
    </addr>
    <telecom use="WP" value="tel:+1(555)555-1004" />
    <assignedPerson>
      <name>
        <given>Patricia</given>
        <given qualifier="CL">Patty</given>
        <family>Primary</family>
        <suffix qualifier="AC">M.D.</suffix>
      </name>
    </assignedPerson>
    <representedOrganization>
      <id extension="219BX" root="1.1.1.1.1.1.1.2" />
      <name>The DoctorsTogether Physician Group</name>
      <telecom use="WP" value="tel: +(555)-555-5000" />
      <addr>
        <streetAddressLine>1004 Health Drive</streetAddressLine>
        <city>Portland</city>
        <state>OR</state>
        <postalCode>99123</postalCode>
        <country>US</country>
      </addr>
    </representedOrganization>
  </assignedEntity>
</performer>
```

**Figure 15: documentationOf Example**

```

<documentationOf>
  <serviceEvent classCode="PCPR">
    <!-- The effectiveTime reflects the provision of care summarized in the document.
    In this scenario, the provision of care summarized is the lifetime for the patient -->
    <effectiveTime>
      <low value="19750501" />
      <!-- The low value represents when the summarized provision of care began.
      In this scenario, the patient's date of birth -->
      <high value="20120915" />
      <!-- The high value represents when the summarized provision of care being
ended.
    In this scenario, when chart summary was created -->
    </effectiveTime>
    <performer typeCode="PRF">
      <functionCode code="PCP"
        displayName="Primary Care Provider"
        codeSystem="2.16.840.1.113883.5.88"
        codeSystemName="ParticipationFunction">
          <originalText>Primary Care Provider</originalText>
        </functionCode>
      <assignedEntity>
        <id extension="55555555555" root="2.16.840.1.113883.4.6" />
        <code code="207QA0505X" displayName="Adult Medicine"
          codeSystem="2.16.840.1.113883.5.53"
          codeSystemName="Health Care Provider Taxonomy" />
        <addr>
          <streetAddressLine>1004 Healthcare Drive </streetAddressLine>
          <city>Portland</city>
          <state>OR</state>
          <postalCode>99123</postalCode>
          <country>US</country>
        </addr>
        <telecom use="WP" value="tel:+1(555)555-1004" />
        <assignedPerson>
          <name>
            <given>Patricia</given>
            <given qualifier="CL">Patty</given>
            <family>Primary</family>
            <suffix qualifier="AC">M.D.</suffix>
          </name>
        </assignedPerson>
        <representedOrganization>
          <id extension="219BX" root="1.1.1.1.1.1.1.2" />
          <name>The DoctorsTogether Physician Group</name>
          <telecom use="WP" value="tel: +(555)-555-5000" />
          <addr>
            <streetAddressLine>1004 Health Drive</streetAddressLine>
            <city>Portland</city>
            <state>OR</state>
            <postalCode>99123</postalCode>
            <country>US</country>
          </addr>
        </representedOrganization>
      </assignedEntity>
    </performer>
  </serviceEvent>
</documentationOf>

```

```
</serviceEvent>  
</documentationOf>
```

**Figure 16: authorization Example**

```
<authorization typeCode="AUTH">  
  <consent classCode="CONS" moodCode="EVN">  
    <id root="629deb70-5306-11df-9879-0800200c9a66" />  
    <code codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" code="64293-4"  
displayName="Procedure consent" />  
    <statusCode code="completed" />  
  </consent>  
</authorization>
```



**Figure 17: Record Target Example with DeceasedInd="true"**

```

<recordTarget>
  <patientRole>
    <!-- The @root OID below (which is fictional) would be specific to an institution's
record identifier system. -->
    <id root="2.16.840.1.113883.3.6132" extension="345678912-0154"/>
    <!-- HP is "primary home" from valueSet 2.16.840.1.113883.1.11.10637 -->
    <addr use="HP">
      <streetAddressLine>1437 Jennyhill Ln.</streetAddressLine>
      <city>Hollywood</city>
      <postalCode>90068</postalCode>
      <state>CA</state>
      <country>US</country>
    </addr>
    <!-- While this may be included, you may choose to exclude contact information on
deceased patients -->
    <telecom nullFlavor="NA" />
    <patient>
      <!-- At a 2020 C-CDA Implement-a-thon, it was discussed that some EHR implementations
may be changing names when patient is expired/deceased -->
      <!-- Changing a name based on death is NOT a recommended practice. Instead update the
sdct:deceasedInd and sdct:deceasedTime fields -->
      <name use="L">
        <given>Adam</given>
        <family>Rumpelstiltskin</family>
      </name>
      <!-- Sex at birth and gender identity may be specified in social history -->
      <administrativeGenderCode code="M" codeSystem="2.16.840.1.113883.5.1"
displayName="Male" codeSystemName="AdministrativeGender"/>
      <birthTime value="19521022"/>
      <!-- A full CDA example may include the Deceased Observation to indicate cause
of death -->
      <!-- A Deceased Observation may be present in any section; Problem List is a
suitable location -->
      <!-- Stylesheets are strongly recommended to include human viewable rendering of the
deceased indication and time when present -->
      <!-- Systems may send deceased indication, time, or both. Sending only time is not
recommended. -->
      <sdct:deceasedInd value="true" />
      <sdct:deceasedTime value="20180315" />
      <maritalStatusCode code="M" displayName="Married"
codeSystem="2.16.840.1.113883.5.2" codeSystemName="MaritalStatus"/>
      <religiousAffiliationCode code="1013" displayName="Christian (non-Catholic,
non-specific)" codeSystem="2.16.840.1.113883.5.1076" codeSystemName="HL7 Religious
Affiliation"/>
      <!-- CDC Race and Ethnicity code set contains the five minimum race and
ethnicity categories defined by OMB Standards -->
      <raceCode code="2106-3" displayName="White"
codeSystem="2.16.840.1.113883.6.238" codeSystemName="OMB Standards for Race and
Ethnicity"/>
      <ethnicGroupCode code="2186-5" displayName="Not Hispanic or Latino"
codeSystem="2.16.840.1.113883.6.238" codeSystemName="OMB Standards for Race and
Ethnicity"/>
      <languageCommunication>
        <languageCode code="en-US"/>
        <!-- "eng" is ISO 639-2 alpha-3 code for "English" -->

```

```

        <modeCode code="ESP" displayName="Expressed spoken"
codeSystem="2.16.840.1.113883.5.60" codeSystemName="LanguageAbilityMode"/>
        <proficiencyLevelCode code="E" displayName="Excellent"
codeSystem="2.16.840.1.113883.5.61" codeSystemName="LanguageAbilityProficiency"/>
        <preferenceInd value="true"/>
    </languageCommunication>
</patient>
</patientRole>
</recordTarget>

```

### 1.1.2 National Health Care Surveys (V6)

[ClinicalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 22: National Health Care Surveys (V6) Contexts**

Contained By:	Contains:
	<a href="#">Provenance - Assembler Participation (V2)</a> (optional) <a href="#">Provenance - Author Participation (V2)</a> (optional)

This document-level template describes constraints that apply to two National Health Care Surveys conducted by the National Center for Health Statistics (NCHS): the National Ambulatory Medical Care Survey (NAMCS) and the National Hospital Care Survey (NHCS). These surveys collect data from physicians, ambulatory care centers, and hospitals about visits to inpatient (IP), outpatient (OP), and emergency department (ED) settings. Data collected are analyzed to produce nationally representative statistics to answer key questions about health care utilization, quality, and disparities for public health professionals, researchers, and health care policy makers. Data captured include information on patient demographics, symptoms, diagnoses, medications, therapeutic and diagnostic procedures, patient management, and planned future treatments. Given the similarities of data collected across the surveys, the structured documents specified in this guide are organized by setting of visit rather than by survey. This template is applicable to both surveys (NAMCS and NHCS) and all care settings (ED, IP, and OP).

**Note:** Value sets in this Implementation Guide are developed by outside entities (e.g., HL7) and cannot be altered by NCHS. In compliance with Executive Order 14168 (January 20, 2025), the National Health Care Surveys will only publish patient encounter records where the “patient sex” or “gender” variable options are “male” or “female.” In addition, we will not publish any data related to structured evaluation of risk for the social determinants of health domains. These actions will be implemented pending further direction by the Assistant Secretary for Technology Policy/Office of the National Coordinator for Health IT.

**Table 23: National Health Care Surveys (V6) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-1</a>	
@root	1..1	SHALL		<a href="#">5564-2</a>	2.16.840.1.113883.10.20.34.1.1
@extension	1..1	SHALL		<a href="#">5564-877</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-3</a>	
@code	1..1	SHALL		<a href="#">5564-4</a>	75619-7
@codeSystem	1..1	SHALL		<a href="#">5564-5</a>	2.16.840.1.113883.6.1
recordTarget	1..*	SHALL		<a href="#">5564-6</a>	
patientRole	1..1	SHALL		<a href="#">5564-7</a>	
id	1..*	SHALL		<a href="#">5564-1164</a>	
id	0..1	SHOULD		<a href="#">5564-1162</a>	
@root	1..1	SHALL		<a href="#">5564-1165</a>	2.16.840.1.113883.4.572
@extension	1..1	SHOULD		<a href="#">5564-1166</a>	
patient	1..1	SHALL		<a href="#">5564-11</a>	
birthTime	1..1	SHALL		<a href="#">5564-13</a>	
author	1..1	MAY		<a href="#">5564-29114</a>	<a href="#">Provenance - Author Participation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.5.6:2019-10-01)</a>
participant	0..*	MAY		<a href="#">5564-29112</a>	<a href="#">Provenance - Assembler Participation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.5.7:2020-05-19)</a>
documentationOf	0..*	MAY		<a href="#">5564-20</a>	
serviceEvent	1..1	SHALL		<a href="#">5564-21</a>	
performer	0..*	SHOULD		<a href="#">5564-22</a>	
assignedEntity	1..1	SHALL		<a href="#">5564-53</a>	
code	1..1	SHALL		<a href="#">5564-56</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
componentOf	1..1	SHALL		<a href="#">5564-17</a>	
encompassingEncounter	1..1	SHALL		<a href="#">5564-18</a>	
id	0..1	SHOULD		<a href="#">5564-361</a>	
effectiveTime	1..1	SHALL		<a href="#">5564-23</a>	
low	1..1	SHALL		<a href="#">5564-198</a>	
high	1..1	SHALL		<a href="#">5564-</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">1169</a>	
dischargeDispositionCode	1..1	SHALL		<a href="#">5564-1191</a>	urn:oid:2.16.840.1.114222.4.11.915 (Discharge Disposition (HL7))
@nullFlavor	0..1	MAY		<a href="#">5564-1192</a>	
location	1..1	SHALL		<a href="#">5564-29013</a>	
healthCareFacility	1..1	SHALL		<a href="#">5564-29014</a>	
serviceProviderOrganization	1..1	SHALL		<a href="#">5564-29015</a>	
id	1..1	SHALL		<a href="#">5564-29016</a>	
component	1..1	SHALL		<a href="#">5564-24</a>	
structuredBody	1..1	SHALL		<a href="#">5564-25</a>	

### 1.1.3 Properties

1. Conforms to [US Realm Header \(V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2023-05-01).

#### 1.1.3.1 templateId

2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-1) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.1.1" (CONF:5564-2).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-877).
3. **SHALL** contain exactly one [1..1] **code** (CONF:5564-3).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="75619-7" National healthcare survey panel NAMCS (CONF:5564-4).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CONF:5564-5).

#### 1.1.3.2 recordTarget

4. **SHALL** contain at least one [1..\*] **recordTarget** (CONF:5564-6).
  - a. Such recordTargets **SHALL** contain exactly one [1..1] **patientRole** (CONF:5564-7).
    - i. This patientRole **SHALL** contain at least one [1..\*] **id** (CONF:5564-1164).  
Note: Patient's Medical Record Number
    - ii. This patientRole **SHOULD** contain zero or one [0..1] **id** (CONF:5564-1162) such that it
      1. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.4.572" Medicare HIC number (CONF:5564-1165).

2. **SHOULD** contain exactly one [1..1] **@extension** (CONF:5564-1166).

Note: Patient's Medicare Number

- iii. This patientRole **SHALL** contain exactly one [1..1] **patient** (CONF:5564-11).

See US Realm Header recordTarget/patientRole/patient/birthTime for further birthTime constraints.

1. This patient **SHALL** contain exactly one [1..1] **birthTime** (CONF:5564-13).

Note: Form Element: Date of Birth

- a. **SHOULD** be precise to month if day is not available (CONF:5564-773).

5. **MAY** contain exactly one [1..1] [Provenance - Author Participation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.5.6:2019-10-01) (CONF:5564-29114).

6. **MAY** contain zero or more [0..\*] [Provenance - Assembler Participation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.5.7:2020-05-19) (CONF:5564-29112).

7. **MAY** contain zero or more [0..\*] **documentationOf** (CONF:5564-20).

#### 1.1.3.3 serviceEvent

- a. The documentationOf, if present, **SHALL** contain exactly one [1..1] **serviceEvent** (CONF:5564-21).

#### 1.1.3.4 performer

- i. This serviceEvent **SHOULD** contain zero or more [0..\*] **performer** (CONF:5564-22) such that it

Note: Type of Care Providers Seen

1. **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:5564-53).

- a. This assignedEntity **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [Healthcare Provider Taxonomy](#) urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC** (CONF:5564-56).

8. **SHALL** contain exactly one [1..1] **componentOf** (CONF:5564-17).

#### 1.1.3.5 encompassingEncounter

- a. This componentOf **SHALL** contain exactly one [1..1] **encompassingEncounter** (CONF:5564-18).

- i. This encompassingEncounter **SHOULD** contain zero or one [0..1] **id** (CONF:5564-361).

Note: Encounter Number

- ii. This encompassingEncounter **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-23).

1. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:5564-198).  
Note: Date/Time of admission/visit/arrival
2. This effectiveTime **SHALL** contain exactly one [1..1] **high** (CONF:5564-1169).  
Note: Date/Time of departure/discharge
- iii. This encompassingEncounter **SHALL** contain exactly one [1..1] **dischargeDispositionCode**, which **SHOULD** be selected from ValueSet [Discharge Disposition \(HL7\)](#) urn:oid:2.16.840.1.114222.4.11.915 **DYNAMIC** (CONF:5564-1191).
  1. This dischargeDispositionCode **MAY** contain zero or one [0..1] **@nullFlavor** (CONF:5564-1192).
- iv. This encompassingEncounter **SHALL** contain exactly one [1..1] **location** (CONF:5564-29013).
  1. This location **SHALL** contain exactly one [1..1] **healthCareFacility** (CONF:5564-29014).
    - a. This healthCareFacility **SHALL** contain exactly one [1..1] **serviceProviderOrganization** (CONF:5564-29015).
      - i. This serviceProviderOrganization **SHALL** contain exactly one [1..1] **id** (CONF:5564-29016).  
Note: NPI
9. **SHALL** contain exactly one [1..1] **component** (CONF:5564-24).

#### 1.1.3.6 structuredBody

- a. This component **SHALL** contain exactly one [1..1] **structuredBody** (CONF:5564-25).

**Table 24: Discharge Disposition (HL7)**

Value Set: Discharge Disposition (HL7) urn:oid:2.16.840.1.114222.4.11.915 The disposition of the patient at time of discharge (i.e., discharged to home, expired, etc.). Uses User-defined Table 0112 - Discharge Disposition; this field is used on UB92 FL22. Value Set Source: <a href="https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.915">https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.915</a>			
Code	Code System	Code System OID	Print Name
09	HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.1.12	Admitted as an inpatient to this hospital
01	HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.1.12	Discharged to home or self care (routine discharge)
66	HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.1.12	Discharged/transferred to a Critical Access Hospital (CAH). (Effective 1/1/06)
43	HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.1.12	Discharged/transferred to a federal health care facility. (Effective 10/1/03)
63	HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.1.12	Discharged/transferred to a Medicare certified long term care hospital (LTCH). (Effective 5/9/02.)
64	HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.1.12	Discharged/transferred to a nursing facility certified under Medicaid but not certified under Medicare. (Effective 10/1/02.)
65	HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.1.12	Discharged/transferred to a psychiatric hospital or psychiatric distinct part unit of a hospital. (Effective 4/1/04)
02	HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.1.12	Discharged/transferred to a short-term general hospital for inpatient care
62	HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.1.12	Discharged/transferred to an inpatient rehabilitation facility (IRF) including rehabilitation distinct part units of a hospital. (Effective retroactive to 1/1/02.)
04	HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.1.12	Discharged/transferred to an intermediate care facility (ICF)

...

#### 1.1.4 Emergency Department Encounter (NHCS-ED) (V7)

[ClinicalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.1.4:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 25: Emergency Department Encounter (NHCS-ED) (V7) Contexts**

Contained By:	Contains:
	<a href="#">Assessment Section</a> (optional) <a href="#">Reason for Referral Section (V2)</a> (optional) <a href="#">Vital Signs Section (entries required) (V3)</a> (required) <a href="#">Care Teams Section (V2)</a> (optional) <a href="#">Emergency Department Encounters Section (V5)</a> (required) <a href="#">NHCS Social History Section (V3)</a> (optional) <a href="#">Chief Complaint and Reason for Visit Section with NullFlavor (V5)</a> (required) <a href="#">Problem Section (entries required) (NHCS V4)</a> (required) <a href="#">Discharge Medications Section (entries required) (NHCS V4)</a> (required) <a href="#">Goals Section (NHCS V2)</a> (optional) <a href="#">Plan of Treatment Section (NHCS V3)</a> (optional) <a href="#">Procedures Section (entries required) (NHCS V3)</a> (required) <a href="#">Results Section (entries optional) (NHCS V4)</a> (required) <a href="#">Medications Section (entries required) (NHCS V3)</a> (required) <a href="#">Mental Status Section (NHCS V3)</a> (optional) <a href="#">Functional Status Section (NHCS V3)</a> (optional) <a href="#">Payers Section (NHCS V4)</a> (required) <a href="#">Medical Equipment Section (UDI) (V2)</a> (optional) <a href="#">Immunizations Section (entries required) (NHCS V4)</a> (required) <a href="#">Health Concerns Section (NHCS V3)</a> (optional) <a href="#">Medical Equipment Section (NHCS V3)</a> (optional) <a href="#">Allergies and Intolerances Section (entries required) (NHCS V4)</a> (optional)

This template describes constraints that are specific to the emergency department encounter surveys (NHCS-ED).



**Table 26: Emergency Department Encounter (NHCS-ED) (V7) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.1.4:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-570</a>	
@root	1..1	SHALL		<a href="#">5564-583</a>	2.16.840.1.113883.10.20.34.1.4
@extension	1..1	SHALL		<a href="#">5564-866</a>	2025-08-01
documentationOf	0..*	MAY		<a href="#">5564-667</a>	
serviceEvent	1..1	SHALL		<a href="#">5564-668</a>	
performer	0..*	SHOULD		<a href="#">5564-669</a>	
time	0..1	SHOULD		<a href="#">5564-670</a>	
low	1..1	SHALL		<a href="#">5564-1170</a>	
assignedEntity	1..1	SHALL		<a href="#">5564-857</a>	
code	1..1	SHALL		<a href="#">5564-858</a>	urn:oid:2.16.840.1.114222.4.11.7419 (Provider ED (NCHS))
@nullFlavor	0..1	MAY		<a href="#">5564-865</a>	OTH
componentOf	1..1	SHALL		<a href="#">5564-671</a>	
encompassingEncounter	1..1	SHALL		<a href="#">5564-672</a>	
code	1..1	SHALL		<a href="#">5564-1057</a>	
@code	1..1	SHALL		<a href="#">5564-1058</a>	EMER
@codeSystem	1..1	SHALL		<a href="#">5564-1059</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
component	1..1	SHALL		<a href="#">5564-571</a>	
structuredBody	1..1	SHALL		<a href="#">5564-572</a>	
component	1..1	SHALL		<a href="#">5564-573</a>	
section	1..1	SHALL		<a href="#">5564-582</a>	<a href="#">Payers Section (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-574</a>	
section	1..1	SHALL		<a href="#">5564-584</a>	<a href="#">Vital Signs Section (entries required) (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01)</a>
component	1..1	SHALL		<a href="#">5564-575</a>	
section	1..1	SHALL		<a href="#">5564-585</a>	<a href="#">Chief Complaint and Reason for Visit Section with NullFlavor (V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
component	1..1	SHALL		<a href="#">5564-1328</a>	
section	1..1	SHALL		<a href="#">5564-1329</a>	<a href="#">Problem Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.5.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-1300</a>	
section	1..1	SHALL		<a href="#">5564-1301</a>	<a href="#">Procedures Section (entries required) (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.7.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-578</a>	
section	1..1	SHALL		<a href="#">5564-588</a>	<a href="#">Medications Section (entries required) (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.1.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-579</a>	
section	1..1	SHALL		<a href="#">5564-589</a>	<a href="#">Immunizations Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.2.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-759</a>	
section	1..1	SHALL		<a href="#">5564-760</a>	<a href="#">Emergency Department Encounters Section (V5) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.34.2.13:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-1104</a>	
section	1..1	SHALL		<a href="#">5564-1105</a>	<a href="#">Results Section (entries optional) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.3:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-1261</a>	
section	1..1	SHALL		<a href="#">5564-1262</a>	<a href="#">Discharge Medications Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.11.1:2025-08-01)</a>
component	0..1	SHOULD		<a href="#">5564-1265</a>	
section	1..1	SHALL		<a href="#">5564-</a>	<a href="#">Assessment Section (identifier:</a>

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">1266</a>	<a href="#">urn:oid:2.16.840.1.113883.10.20.22.2.8</a>
component	0..1	SHOULD		<a href="#">5564-1267</a>	
section	1..1	SHALL		<a href="#">5564-1268</a>	<a href="#">Plan of Treatment Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01)</a>
component	0..1	SHOULD		<a href="#">5564-1322</a>	
section	1..1	SHALL		<a href="#">5564-1323</a>	<a href="#">Medical Equipment Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01)</a>
component	0..1	SHOULD		<a href="#">5564-2297</a>	
section	1..1	SHALL		<a href="#">5564-2298</a>	<a href="#">NHCS Social History Section (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01)</a>
component	0..1	SHOULD		<a href="#">5564-29007</a>	
section	1..1	SHALL		<a href="#">5564-29008</a>	<a href="#">Medical Equipment Section (UDI) (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33334</a>	
section	1..1	SHALL		<a href="#">5564-33335</a>	<a href="#">Allergies and Intolerances Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33336</a>	
section	1..1	SHALL		<a href="#">5564-33337</a>	<a href="#">Health Concerns Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33338</a>	
section	1..1	SHALL		<a href="#">5564-33339</a>	<a href="#">Functional Status Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33340</a>	
section	1..1	SHALL		<a href="#">5564-</a>	<a href="#">Goals Section (NHCS V2)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">33341</a>	<a href="#">(identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33342</a>	
section	1..1	SHALL		<a href="#">5564-33343</a>	<a href="#">Reason for Referral Section (V2) (identifier: urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09)</a>
component	0..1	MAY		<a href="#">5564-33344</a>	
section	1..1	SHALL		<a href="#">5564-33345</a>	<a href="#">Care Teams Section (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01)</a>
component	0..1	MAY		<a href="#">5564-33354</a>	
section	1..1	SHALL		<a href="#">5564-33355</a>	<a href="#">Mental Status Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01)</a>

### 1.1.5 Properties

1. Conforms to [National Health Care Surveys \(V6\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01).

#### 1.1.5.1 templateId

2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-570) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.1.4" (CONF:5564-583).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-866).

#### 1.1.5.2 documentationOf

3. **MAY** contain zero or more [0..\*] **documentationOf** (CONF:5564-667).
  - a. The documentationOf, if present, **SHALL** contain exactly one [1..1] **serviceEvent** (CONF:5564-668).

#### 1.1.5.3 performer

See National Health Care Surveys template for other performer elements.

- i. This serviceEvent **SHOULD** contain zero or more [0..\*] **performer** (CONF:5564-669) such that it  
Note: Type of care provider seen

1. **SHOULD** contain zero or one [0..1] **time** (CONF:5564-670).  
Note: If time for each performer not available,  
serviceEvent/effectiveTime will be used
  - a. The time, if present, **SHALL** contain exactly one [1..1] **low** (CONF:5564-1170).  
Note: Date/Time of provider contact
2. **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:5564-857).
  - a. This assignedEntity **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [Provider ED \(NHCS\)](#) urn:oid:2.16.840.1.114222.4.11.7419 **DYNAMIC** (CONF:5564-858).
    - i. This code **MAY** contain zero or one [0..1] **@nullFlavor="OTH"** (CONF:5564-865).

#### 1.1.5.4 componentOf

4. **SHALL** contain exactly one [1..1] **componentOf** (CONF:5564-671).

See National Health Care Surveys template for other encompassingEncounter elements.

- a. This componentOf **SHALL** contain exactly one [1..1] **encompassingEncounter** (CONF:5564-672).
  - i. This encompassingEncounter **SHALL** contain exactly one [1..1] **code** (CONF:5564-1057).
    1. This code **SHALL** contain exactly one [1..1] **@code="EMER"** Emergency (CONF:5564-1058).
    2. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.5.4"** (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:5564-1059).

#### 1.1.5.5 component

5. **SHALL** contain exactly one [1..1] **component** (CONF:5564-571).
  - a. This component **SHALL** contain exactly one [1..1] **structuredBody** (CONF:5564-572).
    - i. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-573) such that it
      1. **SHALL** contain exactly one [1..1] [Payers Section \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01) (CONF:5564-582).
    - ii. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-574) such that it
      1. **SHALL** contain exactly one [1..1] [Vital Signs Section \(entries required\) \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01) (CONF:5564-584).

- iii. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-575) such that it
  - 1. **SHALL** contain exactly one [1..1] [Chief Complaint and Reason for Visit Section with NullFlavor \(V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01) (CONF:5564-585).
- iv. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-1328) such that it
  - 1. **SHALL** contain exactly one [1..1] [Problem Section \(entries required\) \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01) (CONF:5564-1329).
- v. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-1300) such that it
  - 1. **SHALL** contain exactly one [1..1] [Procedures Section \(entries required\) \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01) (CONF:5564-1301).
- vi. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-578) such that it
  - 1. **SHALL** contain exactly one [1..1] [Medications Section \(entries required\) \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2025-08-01) (CONF:5564-588).
- vii. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-579) such that it
  - 1. **SHALL** contain exactly one [1..1] [Immunizations Section \(entries required\) \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01) (CONF:5564-589).
- viii. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-759) such that it
  - 1. **SHALL** contain exactly one [1..1] [Emergency Department Encounters Section \(V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.13:2025-08-01) (CONF:5564-760).
- ix. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-1104) such that it
  - 1. **SHALL** contain exactly one [1..1] [Results Section \(entries optional\) \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01) (CONF:5564-1105).
- x. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-1261) such that it
  - 1. **SHALL** contain exactly one [1..1] [Discharge Medications Section \(entries required\) \(NHCS V4\)](#) (identifier:

- urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2025-08-01)  
(CONF:5564-1262).
- xi. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-1265) such that it
1. **SHALL** contain exactly one [1..1] [Assessment Section](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.2.8) (CONF:5564-1266).
- xii. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-1267) such that it
1. **SHALL** contain exactly one [1..1] [Plan of Treatment Section \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01) (CONF:5564-1268).
- xiii. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-1322) such that it
1. **SHALL** contain exactly one [1..1] [Medical Equipment Section \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01) (CONF:5564-1323).
- xiv. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-2297) such that it
1. **SHALL** contain exactly one [1..1] [NHCS Social History Section \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01) (CONF:5564-2298).
- xv. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-29007) such that it
1. **SHALL** contain exactly one [1..1] [Medical Equipment Section \(UDI\) \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01) (CONF:5564-29008).
- xvi. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33334) such that it
1. **SHALL** contain exactly one [1..1] [Allergies and Intolerances Section \(entries required\) \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01) (CONF:5564-33335).
- xvii. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33336) such that it
1. **SHALL** contain exactly one [1..1] [Health Concerns Section \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01) (CONF:5564-33337).
- xviii. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33338) such that it

1. **SHALL** contain exactly one [1..1] [Functional Status Section \(NHCS V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01)  
(CONF:5564-33339).
- xix. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33340) such that it
  1. **SHALL** contain exactly one [1..1] [Goals Section \(NHCS V2\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01)  
(CONF:5564-33341).
- xx. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33342) such that it
  1. **SHALL** contain exactly one [1..1] [Reason for Referral Section \(V2\)](#) (identifier:  
urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09)  
(CONF:5564-33343).
- xxi. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33344) such that it
  1. **SHALL** contain exactly one [1..1] [Care Teams Section \(V2\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01)  
(CONF:5564-33345).
- xxii. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33354) such that it
  1. **SHALL** contain exactly one [1..1] [Mental Status Section \(NHCS V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01)  
(CONF:5564-33355).



**Table 27: Provider ED (NCHS)**

Value Set: Provider ED (NCHS) urn:oid:2.16.840.1.114222.4.11.7419			
Provider types			
Value Set Source:			
<a href="https://phinivads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7419">https://phinivads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7419</a>			
Code	Code System	Code System OID	Print Name
405279007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Attending physician
405277009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Resident physician
309343006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Physician
442251000124100	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Licensed Practical Nurse
224535009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Registered nurse
224571005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Nurse practitioner
449161006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Physician assistant
397897005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Paramedic
310191001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Clinical psychologist
310190000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Mental health counselor
...			

### 1.1.6 Inpatient Encounter (NHCS-IP) (V7)

[ClinicalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.1.2:2025-08-01 (open)]

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**Table 28: Inpatient Encounter (NHCS-IP) (V7) Contexts**

Contained By:	Contains:
	<a href="#">Assessment Section</a> (optional) <a href="#">Reason for Referral Section (V2)</a> (optional) <a href="#">Vital Signs Section (entries required) (V3)</a> (required) <a href="#">Care Teams Section (V2)</a> (optional) <a href="#">Inpatient Encounters Section (V5)</a> (required) <a href="#">NHCS Social History Section (V3)</a> (optional) <a href="#">Problem Section (entries required) (NHCS V4)</a> (required) <a href="#">Discharge Medications Section (entries required) (NHCS V4)</a> (required) <a href="#">Goals Section (NHCS V2)</a> (optional) <a href="#">Plan of Treatment Section (NHCS V3)</a> (optional) <a href="#">Procedures Section (entries required) (NHCS V3)</a> (required) <a href="#">Results Section (entries optional) (NHCS V4)</a> (required) <a href="#">Medications Section (entries required) (NHCS V3)</a> (required)

Contained By:	Contains:
	<a href="#">Mental Status Section (NHCS V3)</a> (optional) <a href="#">Functional Status Section (NHCS V3)</a> (optional) <a href="#">Payers Section (NHCS V4)</a> (required) <a href="#">Medical Equipment Section (UDI) (V2)</a> (optional) <a href="#">Immunizations Section (entries required) (NHCS V4)</a> (required) <a href="#">Health Concerns Section (NHCS V3)</a> (optional) <a href="#">Medical Equipment Section (NHCS V3)</a> (optional) <a href="#">Allergies and Intolerances Section (entries required) (NHCS V4)</a> (optional)

This template describes constraints that are specific to the Inpatient Encounter Survey (NHCS-IP).

**Table 29: Inpatient Encounter (NHCS-IP) (V7) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.1.2:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-304</a>	
@root	1..1	SHALL		<a href="#">5564-305</a>	2.16.840.1.113883.10.20.34.1.2
@extension	1..1	SHALL		<a href="#">5564-767</a>	2025-08-01
documentationOf	0..*	MAY		<a href="#">5564-422</a>	
serviceEvent	1..1	SHALL		<a href="#">5564-423</a>	
componentOf	1..1	SHALL		<a href="#">5564-250</a>	
encompassingEncounter	1..1	SHALL		<a href="#">5564-251</a>	
code	1..1	SHALL		<a href="#">5564-1040</a>	
@code	1..1	SHALL		<a href="#">5564-1041</a>	IMP
@codeSystem	1..1	SHALL		<a href="#">5564-1042</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
component	1..1	SHALL		<a href="#">5564-244</a>	
structuredBody	1..1	SHALL		<a href="#">5564-245</a>	
component	1..1	SHALL		<a href="#">5564-248</a>	
section	1..1	SHALL		<a href="#">5564-249</a>	<a href="#">Payers Section (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-254</a>	
section	1..1	SHALL		<a href="#">5564-255</a>	<a href="#">Vital Signs Section (entries required) (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01)</a>
component	1..1	SHALL		<a href="#">5564-258</a>	
section	1..1	SHALL		<a href="#">5564-259</a>	<a href="#">Inpatient Encounters Section (V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.12:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-1330</a>	
section	1..1	SHALL		<a href="#">5564-1331</a>	<a href="#">Problem Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-1302</a>	
section	1..1	SHALL		<a href="#">5564-</a>	<a href="#">Procedures Section (entries required) (NHCS V3)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">1303</a>	<a href="#">(identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.7.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-264</a>	
section	1..1	SHALL		<a href="#">5564-265</a>	<a href="#">Medications Section (entries required) (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.1.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-505</a>	
section	1..1	SHALL		<a href="#">5564-506</a>	<a href="#">Immunizations Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.2.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-765</a>	
section	1..1	SHALL		<a href="#">5564-766</a>	<a href="#">Results Section (entries optional) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.3:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-1263</a>	
section	1..1	SHALL		<a href="#">5564-1264</a>	<a href="#">Discharge Medications Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.11.1:2025-08-01)</a>
component	0..1	SHOULD		<a href="#">5564-2273</a>	
section	1..1	SHALL		<a href="#">5564-2274</a>	<a href="#">Assessment Section (identifier: urn:oid:2.16.840.1.113883.10.20.22.2.8)</a>
component	0..1	SHOULD		<a href="#">5564-1275</a>	
section	1..1	SHALL		<a href="#">5564-1276</a>	<a href="#">Plan of Treatment Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.10:2025-08-01)</a>
component	0..1	SHOULD		<a href="#">5564-1324</a>	
section	1..1	SHALL		<a href="#">5564-1325</a>	<a href="#">Medical Equipment Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.23:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-2299</a>	
section	1..1	SHALL		<a href="#">5564-2300</a>	<a href="#">NHCS Social History Section (V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.24:2025-08-01)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
					<a href="#">urn:hl7ii:2.16.840.1.113883.1.0.20.34.2.16:2025-08-01</a>
component	0..1	SHOULD		<a href="#">5564-29009</a>	
section	1..1	SHALL		<a href="#">5564-29010</a>	<a href="#">Medical Equipment Section (UDI) (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.34.2.15:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-29080</a>	
section	1..1	SHALL		<a href="#">5564-29081</a>	<a href="#">Allergies and Intolerances Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.6.1:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-29082</a>	
section	1..1	SHALL		<a href="#">5564-29083</a>	<a href="#">Care Teams Section (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.500:2022-06-01)</a>
component	0..1	MAY		<a href="#">5564-29084</a>	
section	1..1	SHALL		<a href="#">5564-29085</a>	<a href="#">Reason for Referral Section (V2) (identifier: urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09)</a>
component	0..1	MAY		<a href="#">5564-32833</a>	
section	1..1	SHALL		<a href="#">5564-32834</a>	<a href="#">Goals Section (NHCS V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.60:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-29088</a>	
section	1..1	SHALL		<a href="#">5564-29089</a>	<a href="#">Functional Status Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.14:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-29100</a>	
section	1..1	SHALL		<a href="#">5564-29101</a>	<a href="#">Health Concerns Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.58:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33350</a>	
section	1..1	SHALL		<a href="#">5564-</a>	<a href="#">Mental Status Section (NHCS</a>

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">33351</a>	<a href="#">V3</a> (identifier: <a href="#">urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01</a> )

### 1.1.7 Properties

1. Conforms to [National Health Care Surveys \(V6\)](#) template (identifier: [urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01](#)).

#### 1.1.7.1 templateId

2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-304) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.1.2" (CONF:5564-305).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-767).

#### 1.1.7.2 documentationOf

3. **MAY** contain zero or more [0..\*] **documentationOf** (CONF:5564-422).

See National Health Care Surveys template for other serviceEvent elements.

- a. The documentationOf, if present, **SHALL** contain exactly one [1..1] **serviceEvent** (CONF:5564-423).

#### 1.1.7.3 componentOf

4. **SHALL** contain exactly one [1..1] **componentOf** (CONF:5564-250).

See National Health Care Surveys template for other encompassingEncounter elements.

- a. This componentOf **SHALL** contain exactly one [1..1] **encompassingEncounter** (CONF:5564-251).
  - i. This encompassingEncounter **SHALL** contain exactly one [1..1] **code** (CONF:5564-1040).
    1. This code **SHALL** contain exactly one [1..1] **@code**="IMP" Inpatient (CONF:5564-1041).
    2. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.5.4" (CodeSystem: HL7ActCode [urn:oid:2.16.840.1.113883.5.4](#)) (CONF:5564-1042).

5. **SHALL** contain exactly one [1..1] **component** (CONF:5564-244).

#### 1.1.7.4 structuredBody

- a. This component **SHALL** contain exactly one [1..1] **structuredBody** (CONF:5564-245).
  - i. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-248) such that it

1. **SHALL** contain exactly one [1..1] [Payers Section \(NHCS V4\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01)  
(CONF:5564-249).
- ii. This structuredBody **SHALL** contain exactly one [1..1] **component**  
(CONF:5564-254) such that it
  1. **SHALL** contain exactly one [1..1] [Vital Signs Section \(entries required\) \(V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01)  
(CONF:5564-255).
- iii. This structuredBody **SHALL** contain exactly one [1..1] **component**  
(CONF:5564-258) such that it
  1. **SHALL** contain exactly one [1..1] [Inpatient Encounters Section \(V5\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.34.2.12:2025-08-01)  
(CONF:5564-259).
- iv. This structuredBody **SHALL** contain exactly one [1..1] **component**  
(CONF:5564-1330) such that it
  1. **SHALL** contain exactly one [1..1] [Problem Section \(entries required\) \(NHCS V4\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01)  
(CONF:5564-1331).
- v. This structuredBody **SHALL** contain exactly one [1..1] **component**  
(CONF:5564-1302) such that it
  1. **SHALL** contain exactly one [1..1] [Procedures Section \(entries required\) \(NHCS V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01)  
(CONF:5564-1303).
- vi. This structuredBody **SHALL** contain exactly one [1..1] **component**  
(CONF:5564-264) such that it
  1. **SHALL** contain exactly one [1..1] [Medications Section \(entries required\) \(NHCS V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2025-08-01)  
(CONF:5564-265).
- vii. This structuredBody **SHALL** contain exactly one [1..1] **component**  
(CONF:5564-505) such that it
  1. **SHALL** contain exactly one [1..1] [Immunizations Section \(entries required\) \(NHCS V4\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01)  
(CONF:5564-506).
- viii. This structuredBody **SHALL** contain exactly one [1..1] **component**  
(CONF:5564-765) such that it
  1. **SHALL** contain exactly one [1..1] [Results Section \(entries optional\) \(NHCS V4\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01)  
(CONF:5564-766).

- ix. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-1263) such that it
  - 1. **SHALL** contain exactly one [1..1] [Discharge Medications Section \(entries required\) \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2025-08-01) (CONF:5564-1264).
- x. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-2273) such that it
  - 1. **SHALL** contain exactly one [1..1] [Assessment Section](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.2.8) (CONF:5564-2274).
- xi. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-1275) such that it
  - 1. **SHALL** contain exactly one [1..1] [Plan of Treatment Section \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01) (CONF:5564-1276).
- xii. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-1324) such that it
  - 1. **SHALL** contain exactly one [1..1] [Medical Equipment Section \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01) (CONF:5564-1325).
- xiii. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-2299) such that it
  - 1. **SHALL** contain exactly one [1..1] [NHCS Social History Section \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01) (CONF:5564-2300).
- xiv. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-29009) such that it
  - 1. **SHALL** contain exactly one [1..1] [Medical Equipment Section \(UDI\) \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01) (CONF:5564-29010).
- xv. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-29080) such that it
  - 1. **SHALL** contain exactly one [1..1] [Allergies and Intolerances Section \(entries required\) \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01) (CONF:5564-29081).
- xvi. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-29082) such that it
  - 1. **SHALL** contain exactly one [1..1] [Care Teams Section \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.12:2025-08-01) (CONF:5564-29083).



urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01)  
(CONF:5564-29083).

xvii. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-29084) such that it

1. **SHALL** contain exactly one [1..1] [Reason for Referral Section \(V2\)](#) (identifier:  
urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09)  
(CONF:5564-29085).

xviii. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-32833) such that it

1. **SHALL** contain exactly one [1..1] [Goals Section \(NHCS V2\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01)  
(CONF:5564-32834).

xix. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-29088) such that it

1. **SHALL** contain exactly one [1..1] [Functional Status Section \(NHCS V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01)  
(CONF:5564-29089).

xx. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-29100) such that it

1. **SHALL** contain exactly one [1..1] [Health Concerns Section \(NHCS V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01)  
(CONF:5564-29101).

xxi. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33350) such that it

1. **SHALL** contain exactly one [1..1] [Mental Status Section \(NHCS V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01)  
(CONF:5564-33351).

### 1.1.8 Outpatient Encounter (NHCS-OPD, NAMCS) (V7)

[ClinicalDocument: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.1.3:2025-08-01 (open)]

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**Table 30: Outpatient Encounter (NHCS-OPD, NAMCS) (V7) Contexts**

Contained By:	Contains:
	<a href="#">Assessment Section</a> (optional) <a href="#">Reason for Referral Section (V2)</a> (optional) <a href="#">Vital Signs Section (entries required) (V3)</a> (required) <a href="#">Care Teams Section (V2)</a> (optional) <a href="#">Outpatient Encounters Section (V6)</a> (required)

Contained By:	Contains:
	<a href="#">NHCS Social History Section (V3)</a> (optional) <a href="#">Chief Complaint and Reason for Visit Section with NullFlavor (V5)</a> (required) <a href="#">Problem Section (entries required) (NHCS V4)</a> (required) <a href="#">Goals Section (NHCS V2)</a> (optional) <a href="#">Plan of Treatment Section (NHCS V3)</a> (optional) <a href="#">Procedures Section (entries required) (NHCS V3)</a> (required) <a href="#">Results Section (entries optional) (NHCS V4)</a> (required) <a href="#">Medications Section (entries required) (NHCS V3)</a> (required) <a href="#">Mental Status Section (NHCS V3)</a> (optional) <a href="#">Functional Status Section (NHCS V3)</a> (optional) <a href="#">Payers Section (NHCS V4)</a> (required) <a href="#">Medical Equipment Section (UDI) (V2)</a> (optional) <a href="#">Immunizations Section (entries required) (NHCS V4)</a> (required) <a href="#">Health Concerns Section (NHCS V3)</a> (optional) <a href="#">Medical Equipment Section (NHCS V3)</a> (optional) <a href="#">Allergies and Intolerances Section (entries required) (NHCS V4)</a> (optional)

This template describes constraints that are specific to the outpatient encounter surveys (NHCS-OPD, NAMCS).

**Table 31: Outpatient Encounter (NHCS-OPD, NAMCS) (V7) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
ClinicalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.1.3:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-306</a>	
@root	1..1	SHALL		<a href="#">5564-307</a>	2.16.840.1.113883.10.20.34.1.3
@extension	1..1	SHALL		<a href="#">5564-768</a>	2025-08-01
documentationOf	0..*	MAY		<a href="#">5564-455</a>	
serviceEvent	1..1	SHALL		<a href="#">5564-456</a>	
performer	0..1	SHOULD		<a href="#">5564-457</a>	
functionCode	1..1	SHALL		<a href="#">5564-458</a>	
@code	1..1	SHALL		<a href="#">5564-459</a>	PP
@codeSystem	1..1	SHALL		<a href="#">5564-460</a>	2.16.840.1.113883.3.88.12.32.21.4
componentOf	1..1	SHALL		<a href="#">5564-917</a>	
encompassingEncounter	1..1	SHALL		<a href="#">5564-918</a>	
code	1..1	SHALL		<a href="#">5564-1060</a>	
@code	1..1	SHALL		<a href="#">5564-1061</a>	AMB
@codeSystem	1..1	SHALL		<a href="#">5564-1062</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
component	1..1	SHALL		<a href="#">5564-284</a>	
structuredBody	1..1	SHALL		<a href="#">5564-285</a>	
component	1..1	SHALL		<a href="#">5564-288</a>	
section	1..1	SHALL		<a href="#">5564-289</a>	<a href="#">Payers Section (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-290</a>	
section	1..1	SHALL		<a href="#">5564-291</a>	<a href="#">Vital Signs Section (entries required) (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01)</a>
component	1..1	SHALL		<a href="#">5564-292</a>	
section	1..1	SHALL		<a href="#">5564-293</a>	<a href="#">Chief Complaint and Reason for Visit Section with NullFlavor (V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-294</a>	
section	1..1	SHALL		<a href="#">5564-295</a>	<a href="#">Outpatient Encounters Section (V6) (identifier: urn:hl7ii:2.16.840.1.113883.1</a>

XPath	Card.	Verb	Data Type	CONF#	Value
					<a href="#">0.20.34.2.8:2025-08-01</a>
component	1..1	SHALL		<a href="#">5564-1332</a>	
section	1..1	SHALL		<a href="#">5564-1333</a>	<a href="#">Problem Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.5.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-1304</a>	
section	1..1	SHALL		<a href="#">5564-1305</a>	<a href="#">Procedures Section (entries required) (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.7.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-300</a>	
section	1..1	SHALL		<a href="#">5564-301</a>	<a href="#">Medications Section (entries required) (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.1.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-507</a>	
section	1..1	SHALL		<a href="#">5564-508</a>	<a href="#">Immunizations Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.2.1:2025-08-01)</a>
component	1..1	SHALL		<a href="#">5564-763</a>	
section	1..1	SHALL		<a href="#">5564-764</a>	<a href="#">Results Section (entries optional) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.3:2025-08-01)</a>
component	0..1	SHOULD		<a href="#">5564-1269</a>	
section	1..1	SHALL		<a href="#">5564-2270</a>	<a href="#">Assessment Section (identifier: urn:oid:2.16.840.1.113883.10.20.22.2.8)</a>
component	0..1	SHOULD		<a href="#">5564-2271</a>	
section	1..1	SHALL		<a href="#">5564-2272</a>	<a href="#">Plan of Treatment Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.2.10:2025-08-01)</a>
component	0..1	SHOULD		<a href="#">5564-1326</a>	
section	1..1	SHALL		<a href="#">5564-1327</a>	<a href="#">Medical Equipment Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1</a>

XPath	Card.	Verb	Data Type	CONF#	Value
					<a href="#">0.20.22.2.23:2025-08-01</a>
component	0..1	SHOULD		<a href="#">5564-2301</a>	
section	1..1	SHALL		<a href="#">5564-2302</a>	<a href="#">NHCS Social History Section (V3) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.34.2.16:2025-08-01)</a>
component	0..1	SHOULD		<a href="#">5564-29011</a>	
section	1..1	SHALL		<a href="#">5564-29012</a>	<a href="#">Medical Equipment Section (UDI) (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.34.2.15:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33322</a>	
section	1..1	SHALL		<a href="#">5564-33323</a>	<a href="#">Allergies and Intolerances Section (entries required) (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.6.1:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33324</a>	
section	1..1	SHALL		<a href="#">5564-33325</a>	<a href="#">Health Concerns Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.58:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33326</a>	
section	1..1	SHALL		<a href="#">5564-33327</a>	<a href="#">Functional Status Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.14:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33328</a>	
section	1..1	SHALL		<a href="#">5564-33329</a>	<a href="#">Goals Section (NHCS V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.60:2025-08-01)</a>
component	0..1	MAY		<a href="#">5564-33330</a>	
section	1..1	SHALL		<a href="#">5564-33331</a>	<a href="#">Reason for Referral Section (V2) (identifier: urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09)</a>
component	0..1	MAY		<a href="#">5564-33332</a>	
section	1..1	SHALL		<a href="#">5564-33333</a>	<a href="#">Care Teams Section (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.2.1:2025-08-01)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
					<a href="#">urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01</a>
component	0..1	MAY		<a href="#">5564-33352</a>	
section	1..1	SHALL		<a href="#">5564-33353</a>	<a href="#">Mental Status Section (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01</a>

### 1.1.9 Properties

1. Conforms to [National Health Care Surveys \(V6\)](#) template (identifier: [urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01](#)).

#### 1.1.9.1 templateId

2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-306) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.1.3" (CONF:5564-307).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-768).

#### 1.1.9.2 documentationOf

3. **MAY** contain zero or more [0..\*] **documentationOf** (CONF:5564-455).

See National Health Care Surveys template for other serviceEvent elements.

- a. The documentationOf, if present, **SHALL** contain exactly one [1..1] **serviceEvent** (CONF:5564-456).

#### 1.1.9.3 performer

This performer represents the patient's Primary Care Provider (PCP). This is not necessarily the "Primary" performer. The PCP is not required and does not preclude recording other performers here. See the top-level US Realm Header and National Health Care Surveys templates for further details.

- i. This serviceEvent **SHOULD** contain zero or one [0..1] **performer** (CONF:5564-457) such that it

Note: Patient's Primary Care Provider

1. **SHALL** contain exactly one [1..1] **functionCode** (CONF:5564-458).

Note: Form Element: Patient's Primary Care Provider

- a. This functionCode **SHALL** contain exactly one [1..1] **@code**="PP" Primary Care Provider (CONF:5564-459).
- b. This functionCode **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.3.88.12.3221.4" (CONF:5564-460).

#### 1.1.9.4 componentOf

4. **SHALL** contain exactly one [1..1] **componentOf** (CONF:5564-917).
  - a. This componentOf **SHALL** contain exactly one [1..1] **encompassingEncounter** (CONF:5564-918).
    - i. This encompassingEncounter **SHALL** contain exactly one [1..1] **code** (CONF:5564-1060).
      1. This code **SHALL** contain exactly one [1..1] **@code="AMB"** Ambulatory (outpatient) (CONF:5564-1061).
      2. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.5.4"** (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:5564-1062).

#### 1.1.9.5 component

5. **SHALL** contain exactly one [1..1] **component** (CONF:5564-284).
  - a. This component **SHALL** contain exactly one [1..1] **structuredBody** (CONF:5564-285).
    - i. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-288) such that it
      1. **SHALL** contain exactly one [1..1] [Payers Section \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01) (CONF:5564-289).
    - ii. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-290) such that it
      1. **SHALL** contain exactly one [1..1] [Vital Signs Section \(entries required\) \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01) (CONF:5564-291).
    - iii. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-292) such that it
      1. **SHALL** contain exactly one [1..1] [Chief Complaint and Reason for Visit Section with NullFlavor \(V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01) (CONF:5564-293).
    - iv. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-294) such that it
      1. **SHALL** contain exactly one [1..1] [Outpatient Encounters Section \(V6\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.8:2025-08-01) (CONF:5564-295).
    - v. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-1332) such that it
      1. **SHALL** contain exactly one [1..1] [Problem Section \(entries required\) \(NHCS V4\)](#) (identifier:

- urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01)  
(CONF:5564-1333).
- vi. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-1304) such that it
1. **SHALL** contain exactly one [1..1] [Procedures Section \(entries required\) \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01) (CONF:5564-1305).
- vii. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-300) such that it
1. **SHALL** contain exactly one [1..1] [Medications Section \(entries required\) \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2025-08-01) (CONF:5564-301).
- viii. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-507) such that it
1. **SHALL** contain exactly one [1..1] [Immunizations Section \(entries required\) \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01) (CONF:5564-508).
- ix. This structuredBody **SHALL** contain exactly one [1..1] **component** (CONF:5564-763) such that it
1. **SHALL** contain exactly one [1..1] [Results Section \(entries optional\) \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01) (CONF:5564-764).
- x. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-1269) such that it
1. **SHALL** contain exactly one [1..1] [Assessment Section](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.2.8) (CONF:5564-2270).
- xi. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-2271) such that it
1. **SHALL** contain exactly one [1..1] [Plan of Treatment Section \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01) (CONF:5564-2272).
- xii. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-1326) such that it
1. **SHALL** contain exactly one [1..1] [Medical Equipment Section \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01) (CONF:5564-1327).
- xiii. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-2301) such that it



1. **SHALL** contain exactly one [1..1] [NHCS Social History Section \(V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01)  
(CONF:5564-2302).
- xiv. This structuredBody **SHOULD** contain zero or one [0..1] **component** (CONF:5564-29011) such that it
  1. **SHALL** contain exactly one [1..1] [Medical Equipment Section \(UDI\) \(V2\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01)  
(CONF:5564-29012).
- xv. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33322) such that it
  1. **SHALL** contain exactly one [1..1] [Allergies and Intolerances Section \(entries required\) \(NHCS V4\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01)  
(CONF:5564-33323).
- xvi. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33324) such that it
  1. **SHALL** contain exactly one [1..1] [Health Concerns Section \(NHCS V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01)  
(CONF:5564-33325).
- xvii. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33326) such that it
  1. **SHALL** contain exactly one [1..1] [Functional Status Section \(NHCS V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01)  
(CONF:5564-33327).
- xviii. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33328) such that it
  1. **SHALL** contain exactly one [1..1] [Goals Section \(NHCS V2\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01)  
(CONF:5564-33329).
- xix. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33330) such that it
  1. **SHALL** contain exactly one [1..1] [Reason for Referral Section \(V2\)](#) (identifier:  
urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09)  
(CONF:5564-33331).
- xx. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33332) such that it
  1. **SHALL** contain exactly one [1..1] [Care Teams Section \(V2\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01)  
(CONF:5564-33333).

xxi. This structuredBody **MAY** contain zero or one [0..1] **component** (CONF:5564-33352) such that it

1. **SHALL** contain exactly one [1..1] [Mental Status Section \(NHCS V3\)](#) (identifier:  
urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01)  
(CONF:5564-33353).

## 2 SECTION-LEVEL TEMPLATES

This chapter contains the section-level templates referenced by one or more of the document types of this guide. These templates describe the purpose of each section and the section-level constraints.

Section-level templates are always included in a document. One and only one of each section type is allowed in a given document instance. Please see the document context tables to determine the sections that are contained in a given document type. Please see the conformance verb in the conformance statements to determine if it is required (SHALL), strongly recommended (SHOULD) or optional (MAY).

Each section-level template contains the following:

- Template metadata (e.g., templateId, etc.)
- Description and explanatory narrative
- LOINC section code
- Section title
- Requirements for a text element
- Entry-level template names and Ids for referenced templates (required and optional)

### **Narrative Text**

The text element within the section stores the narrative to be rendered, as described in the CDA R2 specification, and is referred to as the CDA narrative block.

The content model of the CDA narrative block schema is hand crafted to meet requirements of human readability and rendering. The schema is registered as a MIME type (text/x-hl7-text+xml), which is the fixed media type for the text element.

As noted in the CDA R2 specification, the document originator is responsible for ensuring that the narrative block contains the complete, human readable, attested content of the section. Structured entries support computer processing and computation and are not a replacement for the attestable, human-readable content of the CDA narrative block. The special case of structured entries with an entry relationship of "DRIV" (is derived from) indicates to the receiving application that the source of the narrative block is the structured entries, and that the contents of the two are clinically equivalent.

As for all CDA documents—even when a report consisting entirely of structured entries is transformed into CDA—the encoding application must ensure that the attested content (narrative plus multimedia) is a faithful and complete rendering of the clinical content of the structured source data. As a general guideline, a generated narrative block should include the same human readable content that would be available to users viewing that content in the originating system. Although content formatting in the narrative block need not be identical to that in the originating system, the narrative block should use elements from the CDA narrative block schema to provide sufficient formatting to support human readability when rendered according to the rules defined in Section Narrative Block (§ 4.3.5 ) of the CDA R2 specification.

By definition, a receiving application cannot assume that all clinical content in a section (i.e., in the narrative block and multimedia) is contained in the structured entries unless the entries in the section have an entry relationship of "DRIV".

Additional specification information for the CDA narrative block can be found in the CDA R2 specification in sections 1.2.1, 1.2.3, 1.3, 1.3.1, 1.3.2, 4.3.4.2, and 6.

## 2.1 Allergies and Intolerances Section (entries optional) (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.6:2025-08-01  
(open) ]

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**Table 32: Allergies and Intolerances Section (entries optional) (NHCS V4) Contexts**

Contained By:	Contains:
	<a href="#">Allergy Concern Act (NHCS V4)</a> (optional)

The C-CDA template, Allergies and Intolerances Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.

This section lists and describes any medication allergies, adverse reactions, idiosyncratic reactions, anaphylaxis/anaphylactoid reactions to food items, and metabolic variations or adverse reactions/allergies to other substances (such as latex, iodine, tape adhesives). At a minimum, it should list currently active and any relevant historical allergies and adverse reactions.

**Table 33: Allergies and Intolerances Section (entries optional) (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.6:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-7800</a>	
@root	1..1	SHALL		<a href="#">5564-10378</a>	2.16.840.1.113883.10.20.22.2.6
@extension	1..1	SHALL		<a href="#">5564-32544</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15345</a>	
@code	1..1	SHALL		<a href="#">5564-15346</a>	48765-2
@codeSystem	1..1	SHALL		<a href="#">5564-32139</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7802</a>	
text	1..1	SHALL		<a href="#">5564-7803</a>	
entry	0..*	SHOULD		<a href="#">5564-7804</a>	
act	1..1	SHALL		<a href="#">5564-15444</a>	<a href="#">Allergy Concern Act (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7800) such that it

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.6" (CONF:5564-10378).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32544).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15345).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="48765-2" Allergies, adverse reactions, alerts (CONF:5564-15346).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32139).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7802).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7803).
5. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-7804) such that it
  - a. **SHALL** contain exactly one [1..1] [Allergy Concern Act \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01) (CONF:5564-15444).

### 2.1.1 Allergies and Intolerances Section (entries required) (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01 (open)]

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**Table 34: Allergies and Intolerances Section (entries required) (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Allergy Concern Act (NHCS V4)</a> (required)

The C-CDA template, Allergies and Intolerances Section (entries required) (V3), has been versioned in this guide to support USCDI-v3.

This section lists and describes any medication allergies, adverse reactions, idiosyncratic reactions, anaphylaxis/anaphylactoid reactions to food items, and metabolic variations or adverse reactions/allergies to other substances (such as latex, iodine, tape adhesives). At a minimum, it should list currently active and any relevant historical allergies and adverse reactions.

**Table 35: Allergies and Intolerances Section (entries required) (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01)					
@nullFlavor	0..1	MAY		<a href="#">5564-32824</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		<a href="#">5564-7527</a>	
@root	1..1	SHALL		<a href="#">5564-10379</a>	2.16.840.1.113883.10.20.22.2.6.1
@extension	1..1	SHALL		<a href="#">5564-32545</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15349</a>	
@code	1..1	SHALL		<a href="#">5564-15350</a>	48765-2
@codeSystem	1..1	SHALL		<a href="#">5564-32140</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7534</a>	
text	1..1	SHALL		<a href="#">5564-7530</a>	
entry	1..*	SHALL		<a href="#">5564-7531</a>	
act	1..1	SHALL		<a href="#">5564-15446</a>	<a href="#">Allergy Concern Act (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01)</a>

1. Conforms to [Allergies and Intolerances Section \(entries optional\) \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.6:2025-08-01).
2. **MAY** contain zero or one [0..1] **@nullFlavor**="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-32824).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7527) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.6.1" (CONF:5564-10379).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32545).
4. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15349).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="48765-2" Allergies, adverse reactions, alerts (CONF:5564-15350).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32140).
5. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7534).
6. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7530).

If section/@nullFlavor is not present:

7. **SHALL** contain at least one [1..\*] **entry** (CONF:5564-7531) such that it
  - a. **SHALL** contain exactly one [1..1] [Allergy Concern Act \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01) (CONF:5564-15446).

**Figure 18: Allergies and Intolerances Section (entries required) (NHCS V4) Example**

```
<section>
  <!-- [Updated C-CDA] Allergies and Intolerances Section (entries optional) (NHCS V4)
-->
  <templateId root="2.16.840.1.113883.10.20.22.2.6" extension="2025-08-01"/>
  <!-- [Updated C-CDA] Allergies and Intolerances Section (entries required) (NHCS V4)
-->
  <templateId root="2.16.840.1.113883.10.20.22.2.6.1" extension="2025-08-01"/>
  <templateId root="2.16.840.1.113883.10.20.22.2.6.1" extension="2015-08-01" />
  <code code="48765-2" displayName="Allergies, adverse reactions, alerts"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" />
  <title>Allergies, Adverse Reactions and Alerts</title>
  <text>
    ...
  </text>
  <entry typeCode="DRIV">
    <act classCode="ACT" moodCode="EVN">
      <!-- [Updated C-CDA] Allergy Concern Act (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.30" extension="2025-08-01"/>
      ...
    </act>
  </entry>
</section>
```

## 2.2 Assessment Section

[section: identifier urn:oid:2.16.840.1.113883.10.20.22.2.8 (open)]

Published as part of Consolidated CDA Templates for Clinical Notes (US Realm)  
DSTU R1.1

**Table 36: Assessment Section Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	

The Assessment Section (also referred to as “impression” or “diagnoses” outside of the context of CDA) represents the clinician's conclusions and working assumptions that will guide treatment of the patient. The assessment may be a list of specific disease entities or a narrative block.

**Table 37: Assessment Section Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:oid:2.16.840.1.113883.10.20.22.2.8)					
templateId	1..1	SHALL		<a href="#">81-7711</a>	
@root	1..1	SHALL		<a href="#">81-10382</a>	2.16.840.1.113883.10.20.22.2.8
code	1..1	SHALL		<a href="#">81-14757</a>	
@code	1..1	SHALL		<a href="#">81-14758</a>	51848-0
@codeSystem	1..1	SHALL		<a href="#">81-26472</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">81-16774</a>	
text	1..1	SHALL		<a href="#">81-7713</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-7711) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.8" (CONF:81-10382).
2. **SHALL** contain exactly one [1..1] **code** (CONF:81-14757).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="51848-0" Assessments (CONF:81-14758).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:81-26472).
3. **SHALL** contain exactly one [1..1] **title** (CONF:81-16774).
4. **SHALL** contain exactly one [1..1] **text** (CONF:81-7713).

**Figure 19: Assessment Section Example**

```

<section>
  <templateId root="2.16.840.1.113883.10.20.22.2.8"/>
  <code codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC" code="51848-0"
    displayName="ASSESSMENTS"/>
  <title>ASSESSMENTS</title>
  <text>
    ...
  </text>
</section>

```



### 2.3 Care Teams Section (V2)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01 (open) ]

Published as part of C-CDA 2.1 Companion Guide V3

**Table 38: Care Teams Section (V2) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Care Team Organizer (V2)</a> (optional)

The Care Team Section is used to share historical and current Care Team information.

The Care Team Section may be included in any type of C-CDA structured document that is an open template.

An individual can have more than one Care Team. A Care Team can exist over time such as a longitudinal care team which includes historical members that may be active or inactive on the care team as needed. Or a Care Team, such as a rehabilitation team, may exist to address a person's needs associated with a particular care event, or a team can be based on addressing a specific condition.

The Care Team Organizer entry template used in the C-CDA Care Teams Section is meant to support the foundation of effective communication, interaction channels and maintenance of current clinical context awareness for the patient, caregivers and care providers to promote care coordination.

**Table 39: Care Teams Section (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01)					
templateId	1..1	SHALL		<a href="#">4515-3</a>	
@root	1..1	SHALL		<a href="#">4515-7</a>	2.16.840.1.113883.10.20.22.2.500
@extension	1..1	SHALL		<a href="#">4515-8</a>	2022-06-01
code	1..1	SHALL		<a href="#">4515-5</a>	
@code	1..1	SHALL		<a href="#">4515-9</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 85847-2
@codeSystem	1..1	SHALL		<a href="#">4515-10</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">4515-4</a>	
text	1..1	SHALL		<a href="#">4515-6</a>	
entry	0..*	SHOULD		<a href="#">4515-1</a>	
organizer	1..1	SHALL		<a href="#">4515-159</a>	<a href="#">Care Team Organizer (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500:2022-06-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4515-3) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.500" (CONF:4515-7).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2022-06-01" (CONF:4515-8).
2. **SHALL** contain exactly one [1..1] **code** (CONF:4515-5) such that it
  - a. **SHALL** contain exactly one [1..1] **@code**="85847-2" Patient Care team information (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4515-9).
  - b. **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4515-10).
3. **SHALL** contain exactly one [1..1] **title** (CONF:4515-4).
4. **SHALL** contain exactly one [1..1] **text** (CONF:4515-6).
5. **SHOULD** contain zero or more [0..\*] **entry** (CONF:4515-1) such that it
  - a. **SHALL** contain exactly one [1..1] [Care Team Organizer \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500:2022-06-01) (CONF:4515-159).

**Figure 20: Care Teams Section Example**

```
<section>
  <templateId root="2.16.840.1.113883.10.20.22.2.500" extension="2019-07-01"/>
  <templateId root="2.16.840.1.113883.10.20.22.2.500" extension="2022-06-01"/>
  <code code="85847-2" codeSystem="2.16.840.1.113883.6.1"/>
  <title>Patient Care Teams</title>
  <text>
    <list>
      <item>
        <content ID= "CareTeamName1">Inpatient Diabetes Care Team</content> (
          <content>Active</content>) (10/08/2018 - )

          <table>
            <thead>
              <tr>
                <th>Member</th>
                <th>Role on Team</th>
                <th>Status</th>
                <th>Date</th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td>Dr. Henry Seven </td>
                <td ID="CT1_M01">PCP</td>
                <td>(Active)</td>
                <td>10/18/2019</td>
              </tr>
            </tbody>
          </table>
        </item>
      </list>
    </text>
    <entry>
      <!--Care Team Organizer-->
      ... entry info here, if coded data available for care team members...

    </entry>
  </section>
```

## 2.4 Chief Complaint and Reason for Visit Section

[section: identifier urn:oid:2.16.840.1.113883.10.20.22.2.13 (open)]

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DSTU R1.1

This section records the patient's chief complaint (the patient's own description) and/or the reason for the patient's visit (the provider's description of the reason for visit). Local policy determines whether the information is divided into two sections or recorded in one section serving both purposes.

**Table 40: Chief Complaint and Reason for Visit Section Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:oid:2.16.840.1.113883.10.20.22.2.13)					
templateId	1..1	SHALL		<a href="#">81-7840</a>	
@root	1..1	SHALL		<a href="#">81-10383</a>	2.16.840.1.113883.10.20.22.2.13
code	1..1	SHALL		<a href="#">81-15449</a>	
@code	1..1	SHALL		<a href="#">81-15450</a>	46239-0
@codeSystem	1..1	SHALL		<a href="#">81-26473</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">81-7842</a>	
text	1..1	SHALL		<a href="#">81-7843</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-7840) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.13" (CONF:81-10383).
2. **SHALL** contain exactly one [1..1] **code** (CONF:81-15449).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="46239-0" Chief Complaint and Reason for Visit (CONF:81-15450).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:81-26473).
3. **SHALL** contain exactly one [1..1] **title** (CONF:81-7842).
4. **SHALL** contain exactly one [1..1] **text** (CONF:81-7843).

**Figure 21: Chief Complaint and Reason for Visit Section Example**

```

<section>
  <templateId root="2.16.840.1.113883.10.20.22.2.13"/>
  <code code="46239-0"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"
    displayName="CHIEF COMPLAINT AND REASON FOR VISIT"/>
  <title> CHIEF COMPLAINT</title>
  <text>Back Pain</text>
</section>

```

## 2.4.1 Chief Complaint and Reason for Visit Section with NullFlavor (V5)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01  
(open) ]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 41: Chief Complaint and Reason for Visit Section with NullFlavor (V5) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (required)	<a href="#">Patient's Reason for Visit Observation (V2)</a> (optional)
<a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (required)	

This section records the patient's chief complaint in the patient's own words and/or the reason for the patient's visit in the provider's words. This section is based on the C-CDA section Chief Complaint and Reason for Visit Section and further constrains the section by allowing a nullFlavor="NI". Use the nullFlavor NI for any condition where the respective information is not available (e.g., not supported by the EHR record, not asked, not answered, or not applicable for the current implementation).

When submitting data for the National Health Care Surveys, inclusion of coded problem data is recommended. This template includes the recommendation to use Patient's Reason for Visit Observation (V2) (optional SHOULD) to record a coded version of the same information.

**Table 42: Chief Complaint and Reason for Visit Section with NullFlavor (V5) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01)					
@nullFlavor	0..1	MAY		<a href="#">5564-29104</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		<a href="#">5564-1066</a>	
@root	1..1	SHALL		<a href="#">5564-1068</a>	2.16.840.1.113883.10.20.34.2.14
@extension	0..1	MAY		<a href="#">5564-1161</a>	2025-08-01
entry	0..1	SHOULD		<a href="#">5564-33346</a>	
observation	1..1	SHALL		<a href="#">5564-33347</a>	<a href="#">Patient's Reason for Visit Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.41:2025-08-01)</a>

1. Conforms to [Chief Complaint and Reason for Visit Section](#) template (identifier: urn:oid:2.16.840.1.113883.10.20.22.2.13).
2. **MAY** contain zero or one [0..1] @nullFlavor="NI" No Information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-29104).
  - a. If nullFlavor is present, nullFlavor **SHALL** be 'NI' (CONF:5564-29105).

3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-1066) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.2.14" (CONF:5564-1068).
  - b. **MAY** contain zero or one [0..1] **@extension**="2025-08-01" (CONF:5564-1161).
4. **SHOULD** contain zero or one [0..1] **entry** (CONF:5564-33346).
  - a. The entry, if present, **SHALL** contain exactly one [1..1] [Patient's Reason for Visit Observation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.41:2025-08-01) (CONF:5564-33347).

**Figure 22: Chief Complaint and Reason for Visit Section with NullFlavor (V5) Example**

```
<component>
  <section nullFlavor="NI">
    <!-- [C-CDA R1.1] Chief Complaint and Reason for Visit Section -->
    <templateId root="2.16.840.1.113883.10.20.22.2.13" />
    <!-- [NHCS R1D4] Chief Complaint and Reason for Visit Section with NullFlavor (V5)
-->
    <templateId root="2.16.840.1.113883.10.20.34.2.14" extension="2025-08-01" />
    <code code="46239-0" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
      displayName="Chief Complaint and Reason for Visit" />
    <title>Chief Complaint and Reason for Visit</title>
    <text>No Information</text>
  </section>
</component>
```

## 2.5 Discharge Medications Section (entries optional) (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.11:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 43: Discharge Medications Section (entries optional) (NHCS V4) Contexts**

Contained By:	Contains:
	<a href="#">Discharge Medication (NHCS V4)</a> (optional)

The C-CDA template, Discharge Medications Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.

This section contains the medications the patient is intended to take or stop after discharge. Current, active medications must be listed. The section may also include a patient's prescription history and indicate the source of the medication list.

**Table 44: Discharge Medications Section (entries optional) (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.11:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-7816</a>	
@root	1..1	SHALL		<a href="#">5564-10396</a>	2.16.840.1.113883.10.20.22.2.11
@extension	1..1	SHALL		<a href="#">5564-32561</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15359</a>	
@code	1..1	SHALL		<a href="#">5564-15360</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 10183-2
@codeSystem	1..1	SHALL		<a href="#">5564-32480</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
translation	1..1	SHALL		<a href="#">5564-32854</a>	
@code	1..1	SHALL		<a href="#">5564-32855</a>	75311-1
@codeSystem	1..1	SHALL		<a href="#">5564-32856</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7818</a>	
text	1..1	SHALL		<a href="#">5564-7819</a>	
entry	0..*	SHOULD		<a href="#">5564-7820</a>	
act	1..1	SHALL		<a href="#">5564-15490</a>	<a href="#">Discharge Medication (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7816) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.11" (CONF:5564-10396).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32561).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15359).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="10183-2" Hospital Discharge medications (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 **STATIC**) (CONF:5564-15360).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32480).

- c. This code **SHALL** contain exactly one [1..1] **translation** (CONF:5564-32854) such that it
  - i. **SHALL** contain exactly one [1..1] **@code**="75311-1" Discharge medications (CONF:5564-32855).
  - ii. **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32856).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7818).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7819).
5. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-7820) such that it
  - a. **SHALL** contain exactly one [1..1] Discharge Medication (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01) (CONF:5564-15490).

### 2.5.1 Discharge Medications Section (entries required) (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 45: Discharge Medications Section (entries required) (NHCS V4) Contexts**

Contained By:	Contains:
<u>Emergency Department Encounter (NHCS-ED) (V7)</u> (required)	<u>Discharge Medication (NHCS V4)</u> (required)
<u>Inpatient Encounter (NHCS-IP) (V7)</u> (required)	

The C-CDA template, Discharge Medications Section (entries required) (V3), has been versioned in this guide to support USCDI-v3.

This section contains the medications the patient is intended to take or stop after discharge. Current, active medications must be listed. The section may also include a patient's prescription history and indicate the source of the medication list.



**Table 46: Discharge Medications Section (entries required) (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2025-08-01)					
@nullFlavor	0..1	MAY		<a href="#">5564-33165</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		<a href="#">5564-33154</a>	
@root	1..1	SHALL		<a href="#">5564-33157</a>	2.16.840.1.113883.10.20.22.2.11.1
@extension	1..1	SHALL		<a href="#">5564-33158</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-33155</a>	
@code	1..1	SHALL		<a href="#">5564-33159</a>	10183-2
@codeSystem	1..1	SHALL		<a href="#">5564-33160</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
translation	1..1	SHALL		<a href="#">5564-33156</a>	
@code	1..1	SHALL		<a href="#">5564-33161</a>	75311-1
@codeSystem	1..1	SHALL		<a href="#">5564-33162</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-33163</a>	
text	1..1	SHALL		<a href="#">5564-33164</a>	
entry	1..*	SHALL		<a href="#">5564-33152</a>	
act	1..1	SHALL		<a href="#">5564-33153</a>	<a href="#">Discharge Medication (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01)</a>

1. Conforms to [Discharge Medications Section \(entries optional\) \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2025-08-01).
2. **MAY** contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-33165).
3. **SHALL** contain exactly one [1..1] templateId (CONF:5564-33154) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.2.11.1" (CONF:5564-33157).
  - b. **SHALL** contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33158).
4. **SHALL** contain exactly one [1..1] code (CONF:5564-33155).

- a. This code **SHALL** contain exactly one [1..1] **@code**="10183-2" Hospital Discharge Medications (CONF:5564-33159).
- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33160).
- c. This code **SHALL** contain exactly one [1..1] **translation** (CONF:5564-33156) such that it
  - i. **SHALL** contain exactly one [1..1] **@code**="75311-1" Discharge Medications (CONF:5564-33161).
  - ii. **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33162).
- 5. **SHALL** contain exactly one [1..1] **title** (CONF:5564-33163).
- 6. **SHALL** contain exactly one [1..1] **text** (CONF:5564-33164).

If section/**@nullFlavor** is not present:

- 7. **SHALL** contain at least one [1..\*] **entry** (CONF:5564-33152) such that it
  - a. **SHALL** contain exactly one [1..1] Discharge Medication (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01) (CONF:5564-33153).

**Figure 23: Discharge Medication Section (NHCS V4) (entries required) Example**

```

<section>
  <!-- [Updated C-CDA R2] Discharge Medications Section (entries optional) (NHCS V4) --
  >
  <templateId root="2.16.840.1.113883.10.20.22.2.11" extension="2025-08-01"/>
  <!-- [Updated C-CDA R2] Discharge Medications Section (entries required) (NHCS V4) --
  >
  <templateId root="2.16.840.1.113883.10.20.22.2.11.1" extension="2025-08-01"/>
  <id root="15C34E56-00D6-11E6-B041-0050568B000B"/>
  <code code="10183-2" displayName="Hospital Discharge Medications"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC">
    <translation code="75311-1" displayName="Discharge Medications"
      codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC"></translation>
  </code>
  <title>Medications at Time of Discharge</title>
  <text>
    ...
  </text>
  <entry typeCode="DRIV">
    <act classCode="ACT" moodCode="EVN">
      <!-- [Updated C-CDA] Discharge Medication (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.35" extension="2025-08-01"/>
      <code code="10183-2" displayName="Hospital discharge medication"
        codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC">
        <translation code="75311-1" displayName="Discharge medication"
          codeSystem="2.16.840.1.113883.6.1"
          codeSystemName="LOINC"/>
      </code>
      ...
    </act>
  </entry>
  ...
</section>

```

## 2.6 Encounters Section (entries optional) (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01  
(open)]

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**Table 47: Encounters Section (entries optional) (NHCS V4) Contexts**

Contained By:	Contains:
	<a href="#">Encounter Activity (NHCS V4)</a> (optional)

The C-CDA template, Encounters Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.

This section lists and describes any healthcare encounters pertinent to the patient's current health status or historical health history. An encounter is an interaction, regardless of the setting, between a patient and a practitioner who is vested with primary responsibility for diagnosing, evaluating, or treating the patient's condition. It may include visits, appointments, or non-face-to-face interactions. It is also a contact between a patient and a practitioner who has primary responsibility (exercising independent judgment) for assessing and treating the patient at a given contact. This section may contain all encounters for the time period being summarized, but should include notable encounters.

**Table 48: Encounters Section (entries optional) (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-7940</a>	
@root	1..1	SHALL		<a href="#">5564-10386</a>	2.16.840.1.113883.10.20.22.2.22
@extension	1..1	SHALL		<a href="#">5564-32547</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15461</a>	
@code	1..1	SHALL		<a href="#">5564-15462</a>	46240-8
@codeSystem	1..1	SHALL		<a href="#">5564-31136</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7942</a>	
text	1..1	SHALL		<a href="#">5564-7943</a>	
entry	0..*	SHOULD		<a href="#">5564-7951</a>	
encounter	1..1	SHALL		<a href="#">5564-15465</a>	<a href="#">Encounter Activity (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7940) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.22" (CONF:5564-10386).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32547).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15461).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="46240-8" Encounters (CONF:5564-15462).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-31136).

3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7942).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7943).
5. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-7951) such that it
  - a. **SHALL** contain exactly one [1..1] [Encounter Activity \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01) (CONF:5564-15465).

## 2.6.1 Emergency Department Encounters Section (V5)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.2.13:2025-08-01  
(open) ]

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**Table 49: Emergency Department Encounters Section (V5) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (required)	<a href="#">Current Emergency Department Visit (V5)</a> (required)

This section contains emergency department encounter information about the current encounter.

**Table 50: Emergency Department Encounters Section (V5) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.13:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-1050</a>	
@root	1..1	SHALL		<a href="#">5564-1052</a>	2.16.840.1.113883.10.20.34.2.13
@extension	1..1	SHALL		<a href="#">5564-1053</a>	2025-08-01
entry	1..1	SHALL		<a href="#">5564-1049</a>	
encounter	1..1	SHALL		<a href="#">5564-1051</a>	<a href="#">Current Emergency Department Visit (V5)</a> (identifier: <a href="#">urn:hl7ii:2.16.840.1.113883.10.20.34.3.40:2025-08-01</a> )

1. Conforms to [Encounters Section \(entries optional\) \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-1050) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.2.13" (CONF:5564-1052).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-1053).
3. **SHALL** contain exactly one [1..1] **entry** (CONF:5564-1049) such that it

- a. **SHALL** contain exactly one [1..1] [Current Emergency Department Visit \(V5\)](#)  
(identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.40:2025-08-01)  
(CONF:5564-1051).

**Figure 24: Emergency Department Encounters Section (V5) Example**

```
<section>
  <!-- [Updated C-CDA R2] Encounters Section (entries optional) (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.22" extension="2025-08-01" />
  <!-- [NHCS R1D4] Emergency Department Encounters Section (V5) -->
  <templateId root="2.16.840.1.113883.10.20.34.2.13" extension="2025-08-01" />
  <code code="46240-8"
  codeSystem="2.16.840.1.113883.6.1"
  codeSystemName="LOINC" displayName="History of encounters" />
  <title>Emergency Department Encounters</title>
  <text>...</text>
  <!-- Current Emergency Department Visit (V4) -->
  <entry>
    <encounter classCode="ENC" moodCode="EVN">
      <!-- [Updated C-CDA R2] Encounter Activity (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.49" extension="2025-08-01" />
      <!-- [NHCS STU 4] Current Emergency Department Visit (V5) -->
      <templateId root="2.16.840.1.113883.10.20.34.3.40" extension="2025-08-01" />
      ...
    </encounter>
  </entry>
</section>
```

## 2.6.2 Inpatient Encounters Section (V5)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.2.12:2025-08-01  
(open)]

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**Table 51: Inpatient Encounters Section (V5) Contexts**

Contained By:	Contains:
<a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (required)	<a href="#">Current Inpatient Visit (V4)</a> (optional)

This section contains information about the current inpatient encounter.

**Table 52: Inpatient Encounters Section (V5) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.12:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-1044</a>	
@root	1..1	SHALL		<a href="#">5564-1046</a>	2.16.840.1.113883.10.20.34.2.12
@extension	1..1	SHALL		<a href="#">5564-1047</a>	2025-08-01
entry	0..1	SHOULD		<a href="#">5564-1043</a>	
encounter	1..1	SHALL		<a href="#">5564-1045</a>	<a href="#">Current Inpatient Visit (V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.39:2025-08-01)</a>

1. Conforms to [Encounters Section \(entries optional\) \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-1044) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.2.12" (CONF:5564-1046).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-1047).
3. **SHOULD** contain zero or one [0..1] **entry** (CONF:5564-1043) such that it
  - a. **SHALL** contain exactly one [1..1] [Current Inpatient Visit \(V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.39:2025-08-01) (CONF:5564-1045).

**Figure 25: Inpatient Encounters Section (V5) Example**

```
<section>
  <!-- [Updated C-CDA R2.1] Encounters Section (entries optional) (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.22" extension="2025-08-01"/>
  <!-- [NHCS STU4] Inpatient Encounters Section (V5) -->
  <templateId root="2.16.840.1.113883.10.20.34.2.12" extension="2025-08-01"/>
  <code code="46240-8"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"
    displayName="History of encounters" />
  <title>Inpatient Encounter</title>
  <text>...</text>
  <!-- Current Inpatient Visit -->
  <entry>
    <encounter classCode="ENC" moodCode="EVN">
      <!-- [Updated C-CDA] Encounter Activity (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.49" extension="2025-08-01"/>
      <!-- [NHCS STU4] Current Inpatient Visit (V4) -->
      <templateId root="2.16.840.1.113883.10.20.34.3.39" extension="2025-08-01"/>
      ...
    </encounter>
  </entry>
</section>
```

### 2.6.3 Outpatient Encounters Section (V6)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.2.8:2025-08-01  
(open) ]

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**Table 53: Outpatient Encounters Section (V6) Contexts**

Contained By:	Contains:
<a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (required)	<a href="#">Current Outpatient Visit (V6)</a> (required)

This section contains information about the current outpatient encounter.



**Table 54: Outpatient Encounters Section (V6) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.8:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-431</a>	
@root	1..1	SHALL		<a href="#">5564-432</a>	2.16.840.1.113883.10.20.34.2.8
@extension	1..1	SHALL		<a href="#">5564-1048</a>	2025-08-01
entry	1..1	SHALL		<a href="#">5564-439</a>	
encounter	1..1	SHALL		<a href="#">5564-440</a>	<a href="#">Current Outpatient Visit (V6) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.10:2025-08-01)</a>

1. Conforms to [Encounters Section \(entries optional\) \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-431) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.2.8" (CONF:5564-432).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-1048).
3. **SHALL** contain exactly one [1..1] **entry** (CONF:5564-439) such that it
  - a. **SHALL** contain exactly one [1..1] [Current Outpatient Visit \(V6\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.10:2025-08-01) (CONF:5564-440).

**Figure 26: Outpatient Encounters Section (V6) Example**

```

<section>
  <!-- [Updated C-CDA R2] Encounters Section (entries optional) (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.22" extension="2025-08-01" />
  <!-- [NHCS STU 4] Outpatient Encounters Section (V5) -->
  <templateId root="2.16.840.1.113883.10.20.34.2.8" extension="2025-08-01" />
  <code code="46240-8"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"
    displayName="History of encounters" />
  <title>Outpatient Encounters</title>
  <text>...</text>
  <entry>
    <encounter classCode="ENC" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Encounter Activity (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.49" extension="2025-08-01" />
      <!-- [NHCS STU 4] Current Outpatient Visit (V6) -->
      <templateId root="2.16.840.1.113883.10.20.34.3.10" extension="2025-08-01" />
      ...
    </encounter>
  </entry>
</section>

```

## 2.7 Functional Status Section (NHCS V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01  
(open)]

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**Table 55: Functional Status Section (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Self-Care Activities (ADL and IADL)</a> (optional) <a href="#">Non-Medicinal Supply Activity (V2)</a> (optional) <a href="#">Assessment Scale Observation (NHCS V3)</a> (optional) <a href="#">Functional Status Observation (NHCS V3)</a> (optional) <a href="#">Functional Status Organizer (NHCS V3)</a> (optional)

The C-CDA template, Functional Status Section (V2), has been versioned in this guide to support USCDI-v3.

The Functional Status Section contains observations and assessments of a patient's physical abilities. A patient's functional status may include information regarding the patient's ability to perform Activities of Daily Living (ADLs) in areas such as Mobility (e.g., ambulation), Self-Care (e.g., bathing, dressing, feeding, grooming) or Instrumental Activities of Daily Living (IADLs) (e.g., shopping, using a telephone, balancing a check book). Problems that impact function (e.g., dyspnea, dysphagia) can be contained in the section.

**Table 56: Functional Status Section (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-7920</a>	
@root	1..1	SHALL		<a href="#">5564-10389</a>	2.16.840.1.113883.10.20.22.2.14
@extension	1..1	SHALL		<a href="#">5564-32567</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-14578</a>	
@code	1..1	SHALL		<a href="#">5564-14579</a>	47420-5
@codeSystem	1..1	SHALL		<a href="#">5564-30866</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7922</a>	
text	1..1	SHALL		<a href="#">5564-7923</a>	
entry	0..*	MAY		<a href="#">5564-14414</a>	
organizer	1..1	SHALL		<a href="#">5564-14415</a>	<a href="#">Functional Status Organizer (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-14418</a>	
observation	1..1	SHALL		<a href="#">5564-14419</a>	<a href="#">Functional Status Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-14426</a>	
observation	1..1	SHALL		<a href="#">5564-14427</a>	Caregiver Characteristics (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.72)
entry	0..*	MAY		<a href="#">5564-14580</a>	
observation	1..1	SHALL		<a href="#">5564-14581</a>	<a href="#">Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-14582</a>	
supply	1..1	SHALL		<a href="#">5564-</a>	<a href="#">Non-Medicinal Supply Activity</a>

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">30783</a>	<a href="#">(V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09)</a>
entry	0..*	MAY		<a href="#">5564-32983</a>	
observation	1..1	SHALL		<a href="#">5564-31009</a>	<a href="#">Self-Care Activities (ADL and IADL) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.128)</a>
entry	0..*	MAY		<a href="#">5564-16779</a>	
observation	1..1	SHALL		<a href="#">5564-31011</a>	Sensory Status (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.127)

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7920) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.14" (CONF:5564-10389).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32567).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-14578).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="47420-5" Functional Status (CONF:5564-14579).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-30866).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7922).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7923).
5. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-14414) such that it
  - a. **SHALL** contain exactly one [1..1] [Functional Status Organizer \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2025-08-01) (CONF:5564-14415).
6. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-14418) such that it
  - a. **SHALL** contain exactly one [1..1] [Functional Status Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01) (CONF:5564-14419).
7. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-14426) such that it
  - a. **SHALL** contain exactly one [1..1] Caregiver Characteristics (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.72) (CONF:5564-14427).
8. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-14580) such that it
  - a. **SHALL** contain exactly one [1..1] [Assessment Scale Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01) (CONF:5564-14581).
9. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-14582) such that it

- a. **SHALL** contain exactly one [1..1] Non-Medicinal Supply Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09) (CONF:5564-30783).
10. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-32983) such that it
  - a. **SHALL** contain exactly one [1..1] Self-Care Activities (ADL and IADL) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.128) (CONF:5564-31009).
11. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-16779) such that it
  - a. **SHALL** contain exactly one [1..1] Sensory Status (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.127) (CONF:5564-31011).

**Figure 27: Functional Status Section (NHCS V3) Example**

```

<section>
  <!-- [Updated C-CDA] Functional Status Section (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.14" extension="2025-08-01"/>
  <code code="47420-5" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
  displayName="Functional status assessment note"/>
  <title>Functional Status</title>
  <text>
    ...
  </text>
  <entry>
    <organizer classCode="CLUSTER" moodCode="EVN">
      <!-- [Updated C-CDA] Functional Status Organizer (NHCS V3)-->
      <templateId root="2.16.840.1.113883.10.20.22.4.66" extension="2025-08-01"/>
      <id root="a7bc1062-8649-42a0-833d-eed65bd017c9"/>
      <code code="d5" displayName="Self-Care"
        codeSystem="2.16.840.1.113883.6.254" codeSystemName="ICF"/>
      <statusCode code="completed"/>
      <component>
        <observation classCode="OBS" moodCode="EVN">
          <!-- [Updated C-CDA] Functional Status Observation (NHCS V3) -->
          <templateId root="2.16.840.1.113883.10.20.22.4.67" extension="2025-08-
01"/>

          <id root="e4f9eb37-52ca-4e95-90f3-570dace107e6"/>
          <code code="54522-8" displayName="Functional status"
            codeSystem="2.16.840.1.113883.6.1"
            codeSystemName="LOINC"/></code>
          <text>
            ...
          </text>
          <statusCode code="completed"/>
          ...
        </observation>
      </component>
      <component>
        ...
      </component>
    </organizer>
  </entry>
</section>

```

## 2.8 Goals Section (NHCS V2)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01  
(open) ]

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**Table 57: Goals Section (NHCS V2) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Goal Observation (NHCS V3)</a> (required)

The C-CDA template, Goals Section, has been versioned in this guide to support USCDI-v3. This template represents patient Goals. A goal is a defined outcome or condition to be achieved in the process of patient care. Goals include patient-defined over-arching goals (e.g., alleviation of health concerns, desired/intended positive outcomes from interventions, longevity, function, symptom management, comfort) and health concern-specific or intervention-specific goals to achieve desired outcomes.

**Table 58: Goals Section (NHCS V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01)					
@nullFlavor	0..1	MAY		<a href="#">5564-33175</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		<a href="#">5564-33166</a>	
@root	1..1	SHALL		<a href="#">5564-33170</a>	2.16.840.1.113883.10.20.22.2.60
@extension	1..1	SHALL		<a href="#">5564-33231</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-33167</a>	
@code	1..1	SHALL		<a href="#">5564-33171</a>	61146-7
@codeSystem	1..1	SHALL		<a href="#">5564-33172</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-33173</a>	
text	1..1	SHALL		<a href="#">5564-33174</a>	
entry	1..*	SHALL		<a href="#">5564-33168</a>	
observation	1..1	SHALL		<a href="#">5564-33169</a>	<a href="#">Goal Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01)</a>

1. **MAY** contain zero or one [0..1] **@nullFlavor**="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-33175).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33166) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.60" (CONF:5564-33170).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33231).
3. **SHALL** contain exactly one [1..1] **code** (CONF:5564-33167).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="61146-7" Goals (CONF:5564-33171).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33172).
4. **SHALL** contain exactly one [1..1] **title** (CONF:5564-33173).
5. **SHALL** contain exactly one [1..1] **text** (CONF:5564-33174).

If section/@nullFlavor is not present:

6. **SHALL** contain at least one [1..\*] **entry** (CONF:5564-33168) such that it
  - a. **SHALL** contain exactly one [1..1] [Goal Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01) (CONF:5564-33169).

**Figure 28: Goals Section (NHCS V2) Example**

```
<section>
  <!-- [Updated C-CDA] Goals Section (NHCS V2) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.60" extension="2025-08-01"/>
  <code code="61146-7" displayName="Goals"
    codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
  <title>Goals</title>
  <text>
    ...
  </text>
  <entry>
    <observation classCode="OBS" moodCode="GOL">
      <!-- [Updated C-CDA] Goal Observation (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.121" extension="2025-08-01"/>
      ...
    </observation>
  </entry>
</section>
```

## 2.9 Health Concerns Section (NHCS V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01  
(open)]

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**Table 59: Health Concerns Section (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Health Concern Act (NHCS V4)</a> (required)

The C-CDA template, Health Concerns Section (V2), has been versioned in this guide to support USCDI-v3.

This section contains data describing an interest or worry about a health state or process that could possibly require attention, intervention, or management. A Health Concern is a health related matter that is of interest, importance or worry to someone, who may be the patient, patient's family or patient's health care provider. Health concerns are derived from a variety of sources within an EHR (such as Problem List, Family History, Social History, Social Worker Note, etc.). Health concerns can be medical, surgical, nursing, allied health or patient-reported concerns.



Problem Concerns are a subset of Health Concerns that have risen to the level of importance that they typically would belong on a classic “Problem List”, such as “Diabetes Mellitus” or “Family History of Melanoma” or “Tobacco abuse”. These are of broad interest to multiple members of the care team. Examples of other Health Concerns that might not typically be considered a Problem Concern include “Risk of Hyperkalemia” for a patient taking an ACE-inhibitor medication, or “Transportation difficulties” for someone who doesn't drive and has trouble getting to appointments, or “Under-insured” for someone who doesn't have sufficient insurance to properly cover their medical needs such as medications. These are typically most important to just a limited number of care team members.

**Table 60: Health Concerns Section (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01)					
@nullFlavor	0..1	MAY		<a href="#">5564-32802</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		<a href="#">5564-28804</a>	
@root	1..1	SHALL		<a href="#">5564-28805</a>	2.16.840.1.113883.10.20.22.2.58
@extension	1..1	SHALL		<a href="#">5564-32862</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-28806</a>	
@code	1..1	SHALL		<a href="#">5564-28807</a>	75310-3
@codeSystem	1..1	SHALL		<a href="#">5564-28808</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-28809</a>	
text	1..1	SHALL		<a href="#">5564-28810</a>	
entry	0..*	SHOULD		<a href="#">5564-30483</a>	
observation	1..1	SHALL		<a href="#">5564-30484</a>	Health Status Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.5:2014-06-09)
entry	1..*	SHALL		<a href="#">5564-30768</a>	
act	1..1	SHALL		<a href="#">5564-30769</a>	<a href="#">Health Concern Act (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-32308</a>	
act	1..1	SHALL		<a href="#">5564-32309</a>	Risk Concern Act (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.136:2015-08-01)

1. **MAY** contain zero or one [0..1] **@nullFlavor**="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-32802).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-28804) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.58" (CONF:5564-28805).

- b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32862).
- 3. **SHALL** contain exactly one [1..1] **code** (CONF:5564-28806).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="75310-3" Health concerns document (CONF:5564-28807).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-28808).
- 4. **SHALL** contain exactly one [1..1] **title** (CONF:5564-28809).
- 5. **SHALL** contain exactly one [1..1] **text** (CONF:5564-28810).
- 6. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-30483) such that it
  - a. **SHALL** contain exactly one [1..1] Health Status Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.5:2014-06-09) (CONF:5564-30484).

If section/**@nullFlavor** is not present:

- 7. **SHALL** contain at least one [1..\*] **entry** (CONF:5564-30768) such that it
  - a. **SHALL** contain exactly one [1..1] Health Concern Act (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2025-08-01) (CONF:5564-30769).
- 8. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-32308) such that it
  - a. **SHALL** contain exactly one [1..1] Risk Concern Act (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.136:2015-08-01) (CONF:5564-32309).

**Figure 29: Health Concerns Section (NHCS V3) Example**

```
<section>
  <!-- [Updated C-CDA] Health Concerns Section (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.58" extension="2025-08-01"/>
  <code code="75310-3" displayName="Health Concerns Document"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
  <title>Health Concerns</title>
  <text>
    ...
  </text>
  <entry>
    <!-- [C-CDA] Health Status Observation (V2) -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.5" extension="2014-06-09"/>
      ...
    </observation>
  </entry>
  <entry>
    <!-- [Updated C-CDA] Health Concern Act (NHCS V4) -->
    <act classCode="ACT" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.132"
extension="2025-08-01"/>
      ...
    </act>
  </entry>
  <entry>
    <!-- [C-CDA] Risk Concern Act (V2) -->
    <act classCode="ACT" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.136"
extension="2015-08-01"/>
      ...
    </act>
  </entry>
</section>
```

## 2.10 Immunizations Section (entries optional) (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2025-08-01  
(open)]

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**Table 61: Immunizations Section (entries optional) (NHCS V4) Contexts**

Contained By:	Contains:
	<a href="#">Immunization Activity (NHCS V4)</a> (optional)

The C-CDA template, Immunizations Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.

The Immunizations Section defines a patient's current immunization status and pertinent immunization history. The primary use case for the Immunization Section is to enable communication

of a patient's immunization status. The section should include current immunization status, and may contain the entire immunization history that is relevant to the period of time being summarized.

**Table 62: Immunizations Section (entries optional) (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-7965</a>	
@root	1..1	SHALL		<a href="#">5564-10399</a>	2.16.840.1.113883.10.20.22.2.2
@extension	1..1	SHALL		<a href="#">5564-32529</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15367</a>	
@code	1..1	SHALL		<a href="#">5564-15368</a>	11369-6
@codeSystem	1..1	SHALL		<a href="#">5564-32146</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7967</a>	
text	1..1	SHALL		<a href="#">5564-7968</a>	
entry	0..*	SHOULD		<a href="#">5564-7969</a>	
substanceAdministration	1..1	SHALL		<a href="#">5564-15494</a>	<a href="#">Immunization Activity (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7965) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.2" (CONF:5564-10399).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32529).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15367).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="11369-6" Immunizations (CONF:5564-15368).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32146).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7967).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7968).
5. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-7969) such that it

- a. **SHALL** contain exactly one [1..1] [Immunization Activity \(NHCS V4\)](#)  
(identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01)  
(CONF:5564-15494).

### 2.10.1 Immunizations Section (entries required) (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01  
(open)]

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**Table 63: Immunizations Section (entries required) (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (required) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (required) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (required)	<a href="#">Immunization Activity (NHCS V4)</a> (required)

The C-CDA template, Immunizations Section (entries required) (V3), has been versioned in this guide to support USCDI-v3.

The Immunizations Section defines a patient's current immunization status and pertinent immunization history. The primary use case for the Immunization Section is to enable communication of a patient's immunization status. The section should include current immunization status, and may contain the entire immunization history that is relevant to the period of time being summarized.

**Table 64: Immunizations Section (entries required) (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01)					
@nullFlavor	0..1	MAY		<a href="#">5564-33364</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		<a href="#">5564-9015</a>	
@root	1..1	SHALL		<a href="#">5564-10400</a>	2.16.840.1.113883.10.20.22.2.2.1
@extension	1..1	SHALL		<a href="#">5564-32530</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15369</a>	
@code	1..1	SHALL		<a href="#">5564-15370</a>	11369-6
@codeSystem	1..1	SHALL		<a href="#">5564-32147</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-9017</a>	
text	1..1	SHALL		<a href="#">5564-9018</a>	
entry	1..*	SHALL		<a href="#">5564-9019</a>	
substanceAdministration	1..1	SHALL		<a href="#">5564-15495</a>	<a href="#">Immunization Activity (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01)</a>

1. Conforms to [Immunizations Section \(entries optional\) \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2025-08-01).
2. **MAY** contain zero or one [0..1] **@nullFlavor**="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-33364).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-9015) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.2.1" (CONF:5564-10400).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32530).
4. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15369).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="11369-6" Immunizations (CONF:5564-15370).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32147).
5. **SHALL** contain exactly one [1..1] **title** (CONF:5564-9017).
6. **SHALL** contain exactly one [1..1] **text** (CONF:5564-9018).

If section/@nullFlavor is not present:

7. **SHALL** contain at least one [1..\*] **entry** (CONF:5564-9019) such that it
  - a. **SHALL** contain exactly one [1..1] [Immunization Activity \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01) (CONF:5564-15495).

**Figure 30: Immunizations Section (entries required) (NHCS V4) Example**

```
<section>
  <!-- [Updated C-CDA] Immunizations Section (entries optional) (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.2" extension="2025-08-01" />
  <!-- [Updated C-CDA] Immunizations Section (entries required) (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.2.1" extension="2025-08-01" />
  <code code="11369-6" codeSystem="2.16.840.1.113883.6.1"
        codeSystemName="LOINC" displayName="History of immunizations" />
  <title>Immunizations</title>
  <text>
    ...
  </text>
  <entry typeCode="DRIV">
    <substanceAdministration classCode="SBADM" moodCode="EVN" negationInd="false">
      <!-- [Updated C-CDA] Immunization Activity (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.52" extension="2025-08-01" />
      ...
    </substanceAdministration>
  </entry>
  ...
</section>
```

## 2.11 Medical Equipment Section (NHCS V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01  
(open)]

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**Table 65: Medical Equipment Section (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Non-Medicinal Supply Activity (V2)</a> (optional) <a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional) <a href="#">Medical Equipment Organizer (NHCS V2)</a> (optional)

The C-CDA template, Medical Equipment Section (V2), has been versioned in this guide to support USCDI-v3.

This section defines a patient's implanted and external health and medical devices and equipment. This section lists any pertinent durable medical equipment (DME) used to help maintain the patient's health status. All equipment relevant to the diagnosis, care, or treatment of a patient should be included.



Devices applied to, or placed in, the patient are represented with the Procedure Activity Procedure (V2) template. Equipment supplied to the patient (e.g., pumps, inhalers, wheelchairs) is represented by the Non-Medicinal Supply Activity V2 template.

These devices may be grouped together within a Medical Equipment Organizer. The organizer would probably not be used with devices applied in or on the patient but rather to organize a group of medical supplies the patient has been supplied with.

**Table 66: Medical Equipment Section (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-7944</a>	
@root	1..1	SHALL		<a href="#">5564-10404</a>	2.16.840.1.113883.10.20.22.2.23
@extension	1..1	SHALL		<a href="#">5564-32523</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15381</a>	
@code	1..1	SHALL		<a href="#">5564-15382</a>	46264-8
@codeSystem	1..1	SHALL		<a href="#">5564-30828</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7946</a>	
text	1..1	SHALL		<a href="#">5564-7947</a>	
entry	0..*	MAY		<a href="#">5564-7948</a>	
organizer	1..1	SHALL		<a href="#">5564-30351</a>	<a href="#">Medical Equipment Organizer (NHCS V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.135:2025-08-01)</a>
entry	0..*	SHOULD		<a href="#">5564-31125</a>	
supply	1..1	SHALL		<a href="#">5564-31861</a>	<a href="#">Non-Medicinal Supply Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09)</a>
entry	0..*	SHOULD		<a href="#">5564-31885</a>	
procedure	1..1	SHALL		<a href="#">5564-31886</a>	<a href="#">Procedure Activity Procedure (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7944) such that it

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.23" (CONF:5564-10404).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32523).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15381).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="46264-8" Medical Equipment (CONF:5564-15382).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-30828).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7946).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7947).
5. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-7948) such that it
  - a. **SHALL** contain exactly one [1..1] Medical Equipment Organizer (NHCS V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.135:2025-08-01) (CONF:5564-30351).
6. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-31125) such that it
  - a. **SHALL** contain exactly one [1..1] Non-Medicinal Supply Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09) (CONF:5564-31861).
7. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-31885) such that it
  - a. **SHALL** contain exactly one [1..1] Procedure Activity Procedure (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01) (CONF:5564-31886).

**Figure 31: Medical Equipment Section (NHCS V3) Example**

```
<component>
  <section>
    <!-- [Updated C-CDA] Medical Equipment Section (NHCS V3) -->
    <templateId root="2.16.840.1.113883.10.20.22.2.23" extension="2025-08-01" />
    <code code="46264-8" codeSystem="2.16.840.1.113883.6.1" />
    <title>MEDICAL EQUIPMENT</title>
    <text>
      <content styleCode="Bold">Medical Equipment</content>
      <list>
        <item>Implanted Devices: Cardiac Pacemaker July 3, 2013</item>
        <item>Implanted Devices: Upper GI Prosthesis, January 3, 2013</item>
        <item>Cane, February 2, 2003</item>
        <item>Biliary Stent, May 5, 2013</item>
      </list>
    </text>
    <entry>
      <organizer classCode="CLUSTER" moodCode="EVN">
        <!-- [Updated C-CDA] Medical Equipment Organizer (NHCS V2) -->
        <templateId root="2.16.840.1.113883.10.20.22.4.135" extension="2025-08-01"
      />
        ...
      </organizer>
    </entry>
    <entry>
      <supply classCode="SPLY" moodCode="EVN">
        <!-- [C-CDA R2] Non-Medicinal Supply Activity (V2) -->
        <templateId root="2.16.840.1.113883.10.20.22.4.50" extension="2014-06-09"
      />
        ...
      </supply>
    </entry>
    <entry>
      <procedure classCode="PROC" moodCode="EVN">
        <!-- [Updated C-CDA] Procedure Activity Procedure (NHCS V4) -->
        <templateId root="2.16.840.1.113883.10.20.22.4.14" extension="2025-08-01"
      />
        ...
      </procedure>
    </entry>
  </section>
</component>
```

### 2.11.1.1 Medical Equipment Section (UDI) (V2)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01  
(open) ]

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**Table 67: Medical Equipment Section (UDI) (V2) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Non-Medicinal Supply Activity (UDI)</a> (optional) <a href="#">Procedure Activity Procedure (UDI) (V2)</a> (optional)

This template implies the C-CDA Medical Equipment Section (V2) and further constrains it to contain the C-CDA Supplemental Templates for Unique Device Identifier (UDI) for Implantable Medical Devices.

When both the UDI and some parsed UDI data elements and associated metadata are available, devices applied to, or placed in, the patient are represented with the Procedure Activity Procedure (UDI) template. Equipment supplied to the patient (e.g., pumps, inhalers, wheelchairs) is represented by the Non-Medicinal Supply Activity (UDI) template.

When UDI data are not available, devices applied to, or placed in, the patient are represented with the C-CDA Procedure Activity Procedure (V2) template. Equipment supplied to the patient (e.g., pumps, inhalers, wheelchairs) is represented by the C-CDA Non-Medicinal Supply Activity (V2) template.

**Table 68: Medical Equipment Section (UDI) (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-1312</a>	
@root	1..1	SHALL		<a href="#">5564-1320</a>	2.16.840.1.113883.10.20.34.2.15
@extension	1..1	SHALL		<a href="#">5564-1321</a>	2025-08-01
entry	0..*	SHOULD		<a href="#">5564-1314</a>	
procedure	1..1	SHALL		<a href="#">5564-29074</a>	<a href="#">Procedure Activity Procedure (UDI) (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.46:2025-08-01)</a>
entry	0..*	SHOULD		<a href="#">5564-29075</a>	
supply	1..1	SHALL		<a href="#">5564-29076</a>	<a href="#">Non-Medicinal Supply Activity (UDI) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.47:2019-08-01)</a>

1. Conforms to [Medical Equipment Section \(NHCS V3\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-1312) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.2.15" (CONF:5564-1320).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-1321).
3. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-1314) such that it
  - a. **SHALL** contain exactly one [1..1] [Procedure Activity Procedure \(UDI\) \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.46:2025-08-01) (CONF:5564-29074).
4. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-29075) such that it
  - a. **SHALL** contain exactly one [1..1] [Non-Medicinal Supply Activity \(UDI\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.47:2019-08-01) (CONF:5564-29076).

**Figure 32: Medical Equipment Section (UDI) (V2)**

```
<section>
  <!-- [Updated C-CDA] Medical Equipment Section (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.23" extension="2025-08-01" />
  <!-- [NHCS STU 4] Medical Equipment Section (UDI) (V2) -->
  <templateId root="2.16.840.1.113883.10.20.34.2.15" extension="2025-08-01" />
  <code code="46264-8" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" />
  <title>MEDICAL EQUIPMENT</title>
  <text>...</text>
  <entry>
    <procedure classCode="PROC" moodCode="EVN">
      <!-- [Updated C-CDA] Procedure Activity Procedure (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.14" extension="2025-08-01" />
      <!-- [NHCS STU 4] Procedure Activity Procedure (UDI) (V2) -->
      <templateId root="2.16.840.1.113883.10.20.34.3.46" extension="2025-08-01" />
      ...
    </procedure>
  </entry>
  <entry>
    <supply classCode="SPLY" moodCode="EVN">
      <!-- [C-CDA R2] Non-Medicinal Supply Activity (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.50" extension="2014-06-09" />
      <!-- [NHCS STU 3] Non-Medicinal Supply Activity (UDI) -->
      <templateId root="2.16.840.1.113883.10.20.34.3.47" extension="2019-08-01" />
      ...
    </supply>
  </entry>
</section>
```

## 2.12 Medications Section (entries optional) (NHCS V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.1:2025-08-01  
(open)]

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**Table 69: Medications Section (entries optional) (NHCS V3) Contexts**

Contained By:	Contains:
	<a href="#">Medication Activity (NHCS V3)</a> (optional)

The C-CDA template, Medications Section (entries optional) (V2), has been versioned in this guide to support USCDI-v3.

The Medications Section contains a patient's current medications and pertinent medication history. At a minimum, the currently active medications are listed. An entire medication history is an option. The section can describe a patient's prescription and dispense history and information about intended drug monitoring.

**Table 70: Medications Section (entries optional) (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.1:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-7791</a>	
@root	1..1	SHALL		<a href="#">5564-10432</a>	2.16.840.1.113883.10.20.22.2.1
@extension	1..1	SHALL		<a href="#">5564-32500</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15385</a>	
@code	1..1	SHALL		<a href="#">5564-15386</a>	10160-0
@codeSystem	1..1	SHALL		<a href="#">5564-30824</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7793</a>	
text	1..1	SHALL		<a href="#">5564-7794</a>	
entry	0..*	SHOULD		<a href="#">5564-7795</a>	
substanceAdministration	1..1	SHALL		<a href="#">5564-10076</a>	<a href="#">Medication Activity (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7791) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.1" (CONF:5564-10432).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32500).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15385).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="10160-0" History of medication use (CONF:5564-15386).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-30824).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7793).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7794).
5. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-7795) such that it
  - a. **SHALL** contain exactly one [1..1] [Medication Activity \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01) (CONF:5564-10076).

2.12.1 Medications Section (entries required) (NHCS V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2025-08-01  
(open) ]

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**Table 71: Medications Section (entries required) (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (required) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (required) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (required)	<a href="#">Medication Activity (NHCS V3)</a> (required)

The C-CDA template, Medications Section (entries required) (V2), has been versioned in this guide to support USCDI-v3.

The Medications Section contains a patient's current medications and pertinent medication history. At a minimum, the currently active medications are listed. An entire medication history is an option. The section can describe a patient's prescription and dispense history and information about intended drug monitoring.

This section requires either an entry indicating the subject is not known to be on any medications or entries summarizing the subject's medications.



**Table 72: Medications Section (entries required) (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2025-08-01)					
@nullFlavor	0..1	MAY		<a href="#">5564-32845</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		<a href="#">5564-7568</a>	
@root	1..1	SHALL		<a href="#">5564-10433</a>	2.16.840.1.113883.10.20.22.2.1.1
@extension	1..1	SHALL		<a href="#">5564-32499</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15387</a>	
@code	1..1	SHALL		<a href="#">5564-15388</a>	10160-0
@codeSystem	1..1	SHALL		<a href="#">5564-30825</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7570</a>	
text	1..1	SHALL		<a href="#">5564-7571</a>	
entry	1..*	SHALL		<a href="#">5564-7572</a>	
substanceAdministration	1..1	SHALL		<a href="#">5564-10077</a>	<a href="#">Medication Activity (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01)</a>

1. Conforms to [Medications Section \(entries optional\) \(NHCS V3\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.1:2025-08-01).
2. **MAY** contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-32845).
3. **SHALL** contain exactly one [1..1] templateId (CONF:5564-7568) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.2.1.1" (CONF:5564-10433).
  - b. **SHALL** contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32499).
4. **SHALL** contain exactly one [1..1] code (CONF:5564-15387).
  - a. This code **SHALL** contain exactly one [1..1] @code="10160-0" History of medication use (CONF:5564-15388).
  - b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-30825).
5. **SHALL** contain exactly one [1..1] title (CONF:5564-7570).
6. **SHALL** contain exactly one [1..1] text (CONF:5564-7571).

If section/@nullFlavor is not present:

7. **SHALL** contain at least one [1..\*] **entry** (CONF:5564-7572) such that it
  - a. **SHALL** contain exactly one [1..1] [Medication Activity \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01) (CONF:5564-10077).

**Figure 33: Medications Section (entries required) (NHCS V3) Example**

```
<section>
  <!-- [Updated C-CDA R2] Medications Section (entries optional) (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.1" extension="2025-08-01"/>
  <!-- [Updated C-CDA R2] Medications Section (entries required) (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.1.1" extension="2025-08-01"/>
  <code code="10160-0" codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC" displayName="HISTORY OF MEDICATION USE"/>
  <title>Medications</title>
  <text>
    ...
  </text>
  <entry typeCode="DRIV">
    <substanceAdministration classCode="SBADM" moodCode="EVN">
      <!-- [Updated C-CDA R2] Medication Activity (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.16" extension="2025-08-01"/>
      ....
    </substanceAdministration>
  </entry>
</section>
```

## 2.13 Mental Status Section (NHCS V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01  
(open)]

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**Table 73: Mental Status Section (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Assessment Scale Observation (NHCS V3)</a> (optional) <a href="#">Mental Status Observation (NHCS V4)</a> (optional) <a href="#">Mental Status Organizer (NHCS V4)</a> (optional)

The C-CDA template, Mental Status Section (V2), has been versioned in this guide to support USCDI-v3.

The Mental Status Section contains observations and evaluations related to a patient's psychological and mental competency and deficits including, but not limited to any of the following types of information:

- Appearance (e.g., unusual grooming, clothing or body modifications)
- Attitude (e.g., cooperative, guarded, hostile)

- Behavior/psychomotor (e.g., abnormal movements, eye contact, tics)
- Mood and affect (e.g., anxious, angry, euphoric)
- Speech and Language (e.g., pressured speech, perseveration)
- Thought process (e.g., logic, coherence)
- Thought content (e.g., delusions, phobias)
- Perception (e.g., voices, hallucinations)
- Cognition (e.g., memory, alertness/consciousness, attention, orientation) – which were included in Cognitive Status Observation in earlier publications of C-CDA.
- Insight and judgment (e.g., understanding of condition, decision making)

**Table 74: Mental Status Section (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-28293</a>	
@root	1..1	SHALL		<a href="#">5564-28294</a>	2.16.840.1.113883.10.20.22.2.56
@extension	1..1	SHALL		<a href="#">5564-32793</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-28295</a>	
@code	1..1	SHALL		<a href="#">5564-28296</a>	10190-7
@codeSystem	1..1	SHALL		<a href="#">5564-30826</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-28297</a>	
text	1..1	SHALL		<a href="#">5564-28298</a>	
entry	0..*	MAY		<a href="#">5564-28301</a>	
organizer	1..1	SHALL		<a href="#">5564-28302</a>	<a href="#">Mental Status Organizer (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-28305</a>	
observation	1..1	SHALL		<a href="#">5564-28306</a>	<a href="#">Mental Status Observation (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-28313</a>	
observation	1..1	SHALL		<a href="#">5564-28314</a>	<a href="#">Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-28293) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.56" (CONF:5564-28294).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32793).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-28295).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="10190-7" Mental Status (CONF:5564-28296).

- b. This code **SHALL** contain exactly one [1..1]  
@codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC  
urn:oid:2.16.840.1.113883.6.1) (CONF:5564-30826).
- 3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-28297).
- 4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-28298).
- 5. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-28301) such that it
  - a. **SHALL** contain exactly one [1..1] Mental Status Organizer (NHCS V4)  
(identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2025-08-01)  
(CONF:5564-28302).
- 6. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-28305) such that it
  - a. **SHALL** contain exactly one [1..1] Mental Status Observation (NHCS V4)  
(identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01)  
(CONF:5564-28306).
- 7. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-28313) such that it
  - a. **SHALL** contain exactly one [1..1] Assessment Scale Observation (NHCS V3)  
(identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)  
(CONF:5564-28314).

**Figure 34: Mental Status Section (NHCS V3) Example**

```
<section>
  <!-- [Updated C-CDA] Mental Status Section (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.56" extension="2025-08-01"/>
  <code code="10190-7" codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC" displayName="Mental status Narrative"/>
  <title>Mental Status</title>
  <text>
    ...
  </text>
  <entry>
    <!-- [C-CDA] Mental Status Organizer (V3) -->
    <organizer classCode="CLUSTER" moodCode="EVN">
      <!-- [Updated C-CDA] Mental Status Organizer (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.75"
        extension="2025-08-01"/>
      ...
    </organizer>
  </entry>
  <entry>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Mental Status Observation (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.74" extension="2025-08-01"/>
      ...
    </observation>
  </entry>
  <entry>
    <!-- [Updated C-CDA] Assessment Scale Observation (NHCS V3) -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.69" extension="2025-08-01"/>
      ...
    </observation>
  </entry>
</section>
```

## 2.14 Payers Section (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01  
(open)]

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**Table 75: Payers Section (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (required) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (required) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (required)	<a href="#">Coverage Activity (V4)</a> (optional)

The C-CDA template, Payers Section (V3), has been versioned in this guide to support USCDI-v3.

The Payers Section contains data on the patient's payers, whether "third party" insurance, self-pay, other payer or guarantor, or some combination of payers, and is used to define which entity is the responsible fiduciary for the financial aspects of a patient's care.

Each unique instance of a payer and all the pertinent data needed to contact, bill to, and collect from that payer should be included. Authorization information that can be used to define pertinent referral, authorization tracking number, procedure, therapy, intervention, device, or similar authorizations for the patient or provider, or both should be included. At a minimum, the patient's pertinent current payment sources should be listed.

The sources of payment are represented as a Coverage Activity, which identifies all of the insurance policies or government or other programs that cover some or all of the patient's healthcare expenses. The policies or programs are sequenced by preference. The Coverage Activity has a sequence number that represents the preference order. Each policy or program identifies the covered party with respect to the payer, so that the identifiers can be recorded.

**Table 76: Payers Section (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-7924</a>	
@root	1..1	SHALL		<a href="#">5564-10434</a>	2.16.840.1.113883.10.20.22.2.18
@extension	1..1	SHALL		<a href="#">5564-32597</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15395</a>	
@code	1..1	SHALL		<a href="#">5564-15396</a>	48768-6
@codeSystem	1..1	SHALL		<a href="#">5564-32149</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7926</a>	
text	1..1	SHALL		<a href="#">5564-7927</a>	
entry	0..*	SHOULD		<a href="#">5564-7959</a>	
act	1..1	SHALL		<a href="#">5564-15501</a>	<a href="#">Coverage Activity (V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.60:2023-05-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7924) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.18" (CONF:5564-10434).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32597).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15395).

- a. This code **SHALL** contain exactly one [1..1] **@code**="48768-6" Payers (CONF:5564-15396).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32149).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7926).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7927).
5. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-7959) such that it
  - a. **SHALL** contain exactly one [1..1] Coverage Activity (V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.60:2023-05-01) (CONF:5564-15501).

**Figure 35: Payers Section (NHCS V4) Example**

```
<section>
  <!-- [Updated C-CDA R2.1] Payers Section (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.18" extension="2025-08-01"/>
  <code code="48768-6" codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC" displayName="Payers"/>
  <title>Payment Sources</title>
  <text>
    ...
  </text>
  <entry typeCode="DRIV">
    <!-- [C-CDA 2.1 Comp. Guide V4] Coverage Activity (V4) -->
    <act classCode="ACT" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.60" extension="2023-05-01"/>
      ...
    </act>
  </entry>
</section>
```



# 2.15 Plan of Treatment Section (NHCS V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01  
(open) ]

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**Table 77: Plan of Treatment Section (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Planned Act (V2)</a> (optional) <a href="#">Planned Encounter (V2)</a> (optional) <a href="#">Planned Observation (V2)</a> (optional) <a href="#">Planned Supply (V2)</a> (optional) <a href="#">Planned Medication Activity (V2)</a> (optional) <a href="#">Handoff Communication Participants</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Planned Immunization Activity</a> (optional) <a href="#">Goal Observation (NHCS V3)</a> (optional) <a href="#">Planned Procedure (NHCS V4)</a> (optional) <a href="#">Nutrition Recommendation (NHCS V2)</a> (optional)

The C-CDA template, Plan of Treatment Section (V2), has been versioned in this guide to support USCDI-v3.

This section, formerly known as "Plan of Care", contains data that define pending orders, interventions, encounters, services, and procedures for the patient. It is limited to prospective, unfulfilled, or incomplete orders and requests only. These are indicated by the @moodCode of the entries within this section. All active, incomplete, or pending orders, appointments, referrals, procedures, services, or any other pending event of clinical significance to the current care of the patient should be listed.

Clinical reminders are placed here to provide prompts for disease prevention and management, patient safety, and healthcare quality improvements, including widely accepted performance measures. The plan may also indicate that patient education will be provided.

When used in a document that includes a Goals Section, all the goals (whether narrative only, or structured Goal Observation entries) should be recorded in the Goals Section, rather than in the Plan of Treatment Section, to avoid confusion as to "which/whose goals should be in which section?"

When used in a document that does not include a Goals Section, the Plan of Treatment section may also contain information about care team members' goals, including the patient's values, beliefs, preferences, care expectations, and overarching care goals. Values may include the importance of quality of life over longevity. These values are taken into account when prioritizing all problems and their treatments. Beliefs may include comfort with dying or the refusal of blood transfusions because of the patient's religious convictions. Preferences may include liquid medicines over tablets, or treatment via secure email instead of in person. Care expectations may range from being treated only by female clinicians, to expecting all calls to be returned within 24 hours. Overarching goals described in this section are not tied to a specific condition, problem, health concern, or intervention. Examples of overarching goals could be to minimize pain or dependence on others, or to walk a daughter down the aisle for her marriage.

**Table 78: Plan of Treatment Section (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-33191</a>	
@root	1..1	SHALL		<a href="#">5564-33215</a>	2.16.840.1.113883.10.20.22.2.10
@extension	1..1	SHALL		<a href="#">5564-33216</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-33192</a>	
@code	1..1	SHALL		<a href="#">5564-33217</a>	18776-5
@codeSystem	1..1	SHALL		<a href="#">5564-33218</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-33219</a>	
text	1..1	SHALL		<a href="#">5564-33220</a>	
entry	0..*	MAY		<a href="#">5564-33193</a>	
observation	1..1	SHALL		<a href="#">5564-33194</a>	<a href="#">Planned Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.44:2014-06-09)</a>
entry	0..*	MAY		<a href="#">5564-33195</a>	
encounter	1..1	SHALL		<a href="#">5564-33196</a>	<a href="#">Planned Encounter (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09)</a>
entry	0..*	MAY		<a href="#">5564-33197</a>	
act	1..1	SHALL		<a href="#">5564-33198</a>	<a href="#">Planned Act (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09)</a>
entry	0..*	MAY		<a href="#">5564-33199</a>	
procedure	1..1	SHALL		<a href="#">5564-33200</a>	<a href="#">Planned Procedure (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-33201</a>	
substanceAdministration	1..1	SHALL		<a href="#">5564-33202</a>	<a href="#">Planned Medication Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
					<a href="#">urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09</a>
entry	0..*	MAY		<a href="#">5564-33203</a>	
supply	1..1	SHALL		<a href="#">5564-33204</a>	<a href="#">Planned Supply (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09)</a>
entry	0..*	MAY		<a href="#">5564-33205</a>	
act	1..1	SHALL		<a href="#">5564-33206</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>
entry	0..*	MAY		<a href="#">5564-33207</a>	
act	1..1	SHALL		<a href="#">5564-33208</a>	<a href="#">Handoff Communication Participants (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.141)</a>
entry	0..*	MAY		<a href="#">5564-33209</a>	
act	1..1	SHALL		<a href="#">5564-33210</a>	<a href="#">Nutrition Recommendation (NHCS V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.130:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-33211</a>	
substanceAdministration	1..1	SHALL		<a href="#">5564-33212</a>	<a href="#">Planned Immunization Activity (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.120)</a>
entry	0..*	MAY		<a href="#">5564-33213</a>	
observation	1..1	SHALL		<a href="#">5564-33214</a>	<a href="#">Goal Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-33348</a>	
substanceAdministration	1..1	SHALL		<a href="#">5564-33349</a>	<a href="#">Planned Immunization Activity (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.120)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33191) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.10" (CONF:5564-33215).

- b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33216).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-33192).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="18776-5" Plan of Treatment (CONF:5564-33217).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33218).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-33219).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-33220).
5. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33193) such that it
  - a. **SHALL** contain exactly one [1..1] [Planned Observation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.44:2014-06-09) (CONF:5564-33194).
6. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33195) such that it
  - a. **SHALL** contain exactly one [1..1] [Planned Encounter \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09) (CONF:5564-33196).
7. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33197) such that it
  - a. **SHALL** contain exactly one [1..1] [Planned Act \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09) (CONF:5564-33198).
8. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33199) such that it
  - a. **SHALL** contain exactly one [1..1] [Planned Procedure \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01) (CONF:5564-33200).
9. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33201) such that it
  - a. **SHALL** contain exactly one [1..1] [Planned Medication Activity \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09) (CONF:5564-33202).
10. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33203) such that it
  - a. **SHALL** contain exactly one [1..1] [Planned Supply \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09) (CONF:5564-33204).
11. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33205) such that it
  - a. **SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:5564-33206).
12. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33207) such that it
  - a. **SHALL** contain exactly one [1..1] [Handoff Communication Participants](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.141) (CONF:5564-33208).
13. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33209) such that it
  - a. **SHALL** contain exactly one [1..1] [Nutrition Recommendation \(NHCS V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.130:2025-08-01) (CONF:5564-33210).

14. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33211) such that it
  - a. **SHALL** contain exactly one [1..1] [Planned Immunization Activity](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.120) (CONF:5564-33212).
15. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33213) such that it
  - a. **SHALL** contain exactly one [1..1] [Goal Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01) (CONF:5564-33214).
16. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-33348) such that it
  - a. **SHALL** contain exactly one [1..1] [Planned Immunization Activity](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.120) (CONF:5564-33349).

**Figure 36: Plan of Treatment Section (NHCS V3) Example**

```
<section>
  <!-- [Updated C-CDA R2.0] Plan of Treatment Section (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.10" extension="2025-08-01"/>
  <code code="18776-5" displayName="Plan of Treatment" codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"/>
  <title>Plan of Treatment</title>
  <text>
    ...
  </text>
  <entry>
    <!-- [C-CDA] Handoff Communication Participants -->
    <act classCode="ACT" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.141"/>
      ...
    </act>
  </entry>
  <!-- This entry represents a procedure service that has been ordered, but not yet
provided -->
  <entry>
    <!-- [Updated C-CDA R2] Planned Procedure (NHCS V4) -->
    <procedure classCode="PROC" moodCode="RQO">
      <templateId root="2.16.840.1.113883.10.20.22.4.41" extension="2025-08-01"/>
      ...
    </procedure>
  </entry>
  <!-- This entry represents an act that has been ordered, but not yet provided -->
  <entry>
    <!-- [Updated C-CDA] Nutrition Recommendation (NHCS V2) -->
    <act moodCode="INT" classCode="ACT">
      <templateId root="2.16.840.1.113883.10.20.22.4.130" extension="2025-08-01"/>
      ...
    </act>
  </entry>
</section>
```

2.16 Problem Section (entries optional) (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2025-08-01  
(open)]

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Table 79: Problem Section (entries optional) (NHCS V4) Contexts

Contained By:	Contains:
	<a href="#">Problem Concern Act (NHCS V4)</a> (optional)

The C-CDA template, Problem Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.

This section lists and describes all relevant clinical problems at the time the document is generated. At a minimum, all pertinent current and historical problems should be listed. Overall health status may be represented in this section.

**Table 80: Problem Section (entries optional) (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-7877</a>	
@root	1..1	SHALL		<a href="#">5564-10440</a>	2.16.840.1.113883.10.20.22.2.5
@extension	1..1	SHALL		<a href="#">5564-32511</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15407</a>	
@code	1..1	SHALL		<a href="#">5564-15408</a>	11450-4
@codeSystem	1..1	SHALL		<a href="#">5564-31141</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7879</a>	
text	1..1	SHALL		<a href="#">5564-7880</a>	
entry	0..*	SHOULD		<a href="#">5564-7881</a>	
act	1..1	SHALL		<a href="#">5564-15505</a>	<a href="#">Problem Concern Act (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01)</a>
entry	0..1	MAY		<a href="#">5564-30481</a>	
observation	1..1	SHALL		<a href="#">5564-30482</a>	Health Status Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.5:2014-06-09)

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7877) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.5" (CONF:5564-10440).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32511).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15407).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="11450-4" Problem List (CONF:5564-15408).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-31141).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7879).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7880).

5. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-7881) such that it
  - a. **SHALL** contain exactly one [1..1] [Problem Concern Act \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01) (CONF:5564-15505).
6. **MAY** contain zero or one [0..1] **entry** (CONF:5564-30481) such that it
  - a. **SHALL** contain exactly one [1..1] Health Status Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.5:2014-06-09) (CONF:5564-30482).

### 2.16.1 Problem Section (entries required) (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01 (open)]

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**Table 81: Problem Section (entries required) (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (required) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (required) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (required)	<a href="#">Problem Concern Act (NHCS V4)</a> (required)

The C-CDA template, Problem Section (entries required) (V3), has been versioned in this guide to support USCDI-v3.

This section lists and describes all relevant clinical problems at the time the document is generated. At a minimum, all pertinent current and historical problems should be listed. Overall health status may be represented in this section.



**Table 82: Problem Section (entries required) (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01)					
@nullFlavor	0..1	MAY		<a href="#">5564-33030</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		<a href="#">5564-33020</a>	
@root	1..1	SHALL		<a href="#">5564-33024</a>	2.16.840.1.113883.10.20.22.2.5.1
@extension	1..1	SHALL		<a href="#">5564-33025</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-33021</a>	
@code	1..1	SHALL		<a href="#">5564-33026</a>	11450-4
@codeSystem	1..1	SHALL		<a href="#">5564-33027</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-33028</a>	
text	1..1	SHALL		<a href="#">5564-33029</a>	
entry	1..*	SHALL		<a href="#">5564-33018</a>	
act	1..1	SHALL		<a href="#">5564-33019</a>	<a href="#">Problem Concern Act (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01)</a>
entry	0..1	MAY		<a href="#">5564-33022</a>	
observation	1..1	SHALL		<a href="#">5564-33023</a>	Health Status Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.5:2014-06-09)

1. Conforms to [Problem Section \(entries optional\) \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2025-08-01).
2. **MAY** contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-33030).
3. **SHALL** contain exactly one [1..1] templateId (CONF:5564-33020) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.2.5.1" (CONF:5564-33024).
  - b. **SHALL** contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33025).
4. **SHALL** contain exactly one [1..1] code (CONF:5564-33021).

- a. This code **SHALL** contain exactly one [1..1] **@code**="11450-4" Problem List (CONF:5564-33026).
- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33027).
5. **SHALL** contain exactly one [1..1] **title** (CONF:5564-33028).
6. **SHALL** contain exactly one [1..1] **text** (CONF:5564-33029).

If section/@nullFlavor is not present:

7. **SHALL** contain at least one [1..\*] **entry** (CONF:5564-33018) such that it
  - a. **SHALL** contain exactly one [1..1] [Problem Concern Act \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01) (CONF:5564-33019).
8. **MAY** contain zero or one [0..1] **entry** (CONF:5564-33022) such that it
  - a. **SHALL** contain exactly one [1..1] Health Status Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.5:2014-06-09) (CONF:5564-33023).

**Figure 37: Problem Section (entries required) (NHCS V4) Example**

```
<section>
  <!-- [Updated C-CDA] Problem Section (entries optional) (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.5" extension="2025-08-01"/>
  <!-- [Updated C-CDA] Problem Section (entries required) (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.5.1" extension="2025-08-01"/>
  <code code="11450-4"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"
    displayName="PROBLEM LIST" />
  <title>Problems</title>
  <text>
    ...
  </text>
  <entry typeCode="DRIV">
    <act classCode="ACT" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Problem Concern Act (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.3" extension="2025-08-01"/>
      ...
    </act>
  </entry>
</section>
```

**Figure 38: No Known Problems Section Example**

```
<section>
  <!-- [C-CDA R2.1] Problem Section (entries optional) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.5" extension="2015-08-01" />
  <!-- [C-CDA R2.1] Problem Section (entries required) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.5.1" extension="2015-08-01" />
  <code code="11450-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Problem List" />
  <title>PROBLEMS</title>
  <text ID="Concern_1">
    Problem Concern:
    <br />
    Concern Tracker Start Date: 06/07/2013 16:05:06
    <br />
    Concern Tracker End Date:
    <br />
    Concern Status: Active
    <br />
    <content ID="problems1">No known
      <content ID="problemType1">problems.</content>
    </content>
  </text>
  <entry typeCode="DRIV">
    <act classCode="ACT" moodCode="EVN">
      <!-- [C-CDA R2.1] Problem Concern Act (V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.3" extension="2015-08-01" />
      <id root="36e3e930-7b14-11db-9fe1-0800200c9a66" />
      <!-- SDWG supports 48765-2 or CONC in the code element -->
      <code code="CONC" codeSystem="2.16.840.1.113883.5.6" />
      <text>
        <reference value="#Concern_1" />
      </text>
      <statusCode code="active" />
      <!-- The concern is not active, in terms of there being an active condition
        to be managed.-->
      <effectiveTime>
        <low value="20130607160506" />
        <!-- Time at which THIS "concern" began being tracked.-->
      </effectiveTime>
      <!-- status is active so high is not applicable. If high is present it
        should have nullFlavor of NA-->
      <!-- Optional Author Element-->
      <author>
        <!--_ [C-CDA R2] Author Participation -->
        <templateId root="2.16.840.1.113883.10.20.22.4.119" />
        <time value="20130607160506" />
        <assignedAuthor>
          ...
        </assignedAuthor>
      </author>
      <entryRelationship typeCode="SUBJ">
        <observation classCode="OBS" moodCode="EVN" negationInd="true">
          <!-- Model of Meaning for No Problems -->
          <!-- This is more consistent with how we did no known allergies.
            The use of negationInd corresponds with the newer
            Observation.ValueNegationInd.
          -->
        </observation>
      </entryRelationship>
    </act>
  </entry>
</section>
```

```

        The negationInd = true negates the value element. -->
<!-- [C-CDA R2.1] Problem Observation (V3) -->
<templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2015-08-01" />
<id root="4adc1021-7b14-11db-9fe1-0800200c9a67" />
<code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
<text>
    <reference value="#problems1" />
</text>
<statusCode code="completed" />
<effectiveTime>
    <low value="20130607160506" />
</effectiveTime>
<!-- The time when this was biologically relevant ie True
for the patient. As a minimum time interval over which
this is true, populate the effectiveTime/low with the
current time.
It would be equally valid to have a longer range of
time over which this statement was represented as
being true. As a maximum, you would never indicate
an effectiveTime/high that was greater than the
current point in time. This idea assumes that the
value element could come from the Problem value set,
or when negationInd was true, is could also come from
the ProblemType value set (and code would be ASSERTION). -->
<value xsi:type="CD"
    code="55607006"
    displayName="Problem"
    codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED CT">
    <originalText>
        <reference value="#problemType1" />
    </originalText>
    </value>
</observation>
</entryRelationship>
</act>
</entry>
</section>

```

## 2.17 Procedures Section (entries optional) (NHCS V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.7:2025-08-01  
(open)]

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**Table 83: Procedures Section (entries optional) (NHCS V3) Contexts**

Contained By:	Contains:
	<a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional) <a href="#">Procedure Activity Act (NHCS V3)</a> (optional) <a href="#">Procedure Activity Observation (NHCS V3)</a> (optional)

The C-CDA template, Procedures Section (entries optional) (V2), has been versioned in this guide to support USCDI-v3.

This section describes all interventional, surgical, diagnostic, or therapeutic procedures or treatments pertinent to the patient historically at the time the document is generated. The section should include notable procedures, but can contain all procedures for the period of time being summarized. The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM), therefore this section contains procedure templates represented with three RIM classes: Act, Observation, and Procedure. Procedure Activity Procedure (V2) is for procedures that alter the physical condition of a patient (e.g., splenectomy). Procedure Activity Observation (V2) is for procedures that result in new information about a patient but do not cause physical alteration (e.g., EEG). Procedure Activity Act (V2) is for all other types of procedures (e.g., dressing change).

**Table 84: Procedures Section (entries optional) (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.7:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-6270</a>	
@root	1..1	SHALL		<a href="#">5564-6271</a>	2.16.840.1.113883.10.20.22.2.7
@extension	1..1	SHALL		<a href="#">5564-32532</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-15423</a>	
@code	1..1	SHALL		<a href="#">5564-15424</a>	47519-4
@codeSystem	1..1	SHALL		<a href="#">5564-31139</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC)
title	1..1	SHALL		<a href="#">5564-17184</a>	
text	1..1	SHALL		<a href="#">5564-6273</a>	
entry	0..*	MAY		<a href="#">5564-6274</a>	
procedure	1..1	SHALL		<a href="#">5564-15509</a>	<a href="#">Procedure Activity Procedure (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-6278</a>	
observation	1..1	SHALL		<a href="#">5564-15510</a>	<a href="#">Procedure Activity Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-8533</a>	
act	1..1	SHALL		<a href="#">5564-15511</a>	<a href="#">Procedure Activity Act (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-6270) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.7" (CONF:5564-6271).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32532).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-15423).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="47519-4" History of Procedures (CONF:5564-15424).

- b. This code **SHALL** contain exactly one [1..1] **@codeSystem** (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-31139).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-17184).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-6273).
5. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-6274) such that it
  - a. **SHALL** contain exactly one [1..1] [Procedure Activity Procedure \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01) (CONF:5564-15509).
6. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-6278) such that it
  - a. **SHALL** contain exactly one [1..1] [Procedure Activity Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01) (CONF:5564-15510).
7. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-8533) such that it
  - a. **SHALL** contain exactly one [1..1] [Procedure Activity Act \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01) (CONF:5564-15511).

### 2.17.1 Procedures Section (entries required) (NHCS V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01 (open) ]

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**Table 85: Procedures Section (entries required) (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (required) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (required) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (required)	<a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional) <a href="#">Procedure Activity Act (NHCS V3)</a> (optional) <a href="#">Procedure Activity Observation (NHCS V3)</a> (optional)

The C-CDA template, Procedures Section (entries required) (V2), has been versioned in this guide to support USCDI-v3.

This section describes all interventional, surgical, diagnostic, or therapeutic procedures or treatments pertinent to the patient historically at the time the document is generated. The section should include notable procedures, but can contain all procedures for the period of time being summarized. The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM), therefore this section contains procedure templates represented with three RIM classes: Act, Observation, and Procedure. Procedure Activity Procedure (V2) is for procedures that alter the physical condition of a patient (e.g., splenectomy). Procedure Activity Observation (V2) is for procedures that result in new information about a patient but do not cause physical alteration (e.g., EEG). Procedure Activity Act (V2) is for all other types of procedures (e.g., dressing change).

**Table 86: Procedures Section (entries required) (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01)					
@nullFlavor	0..1	MAY		<a href="#">5564-32891</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		<a href="#">5564-32879</a>	
@root	1..1	SHALL		<a href="#">5564-32885</a>	2.16.840.1.113883.10.20.22.2.7.1
@extension	1..1	SHALL		<a href="#">5564-32886</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-32880</a>	
@code	1..1	SHALL		<a href="#">5564-32887</a>	47519-4
@codeSystem	1..1	SHALL		<a href="#">5564-32888</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-32889</a>	
text	1..1	SHALL		<a href="#">5564-32890</a>	
entry	1..*	SHALL		<a href="#">5564-32881</a>	
act	0..1	MAY		<a href="#">5564-32883</a>	<a href="#">Procedure Activity Act (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01)</a>
observation	0..1	MAY		<a href="#">5564-32884</a>	<a href="#">Procedure Activity Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01)</a>
procedure	0..1	MAY		<a href="#">5564-32882</a>	<a href="#">Procedure Activity Procedure (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01)</a>

1. Conforms to [Procedures Section \(entries optional\) \(NHCS V3\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.7:2025-08-01).
2. **MAY** contain zero or one [0..1] **@nullFlavor**="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-32891).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-32879) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.7.1" (CONF:5564-32885).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32886).
4. **SHALL** contain exactly one [1..1] **code** (CONF:5564-32880).



- a. This code **SHALL** contain exactly one [1..1] **@code**="47519-4" History of Procedures (CONF:5564-32887).
- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32888).
- 5. **SHALL** contain exactly one [1..1] **title** (CONF:5564-32889).
- 6. **SHALL** contain exactly one [1..1] **text** (CONF:5564-32890).

If section/**@nullFlavor** is not present there *SHALL* be at least one entry conformant to Procedure Activity Act (V2) (templateId 2.16.840.1.113883.10.20.22.4.12:2014-06-09) *OR* Procedure Activity Observation (V2) (templateId: 2.16.840.1.113883.10.20.22.4.13:2014-06-09) *OR* Procedure Activity Procedure (V2) (templateId: 2.16.840.1.113883.10.20.22.4.14:2014-06-09)

- 7. **SHALL** contain at least one [1..\*] **entry** (CONF:5564-32881) such that it
  - a. **MAY** contain zero or one [0..1] Procedure Activity Act (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01) (CONF:5564-32883).
  - b. **MAY** contain zero or one [0..1] Procedure Activity Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01) (CONF:5564-32884).
  - c. **MAY** contain zero or one [0..1] Procedure Activity Procedure (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01) (CONF:5564-32882).

**Figure 39: Procedures Section (entries required) (NHCS V3) Example**

```
<section>
  <!-- [Updated C-CDA] Procedures Section (entries optional) (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.7" extension="2025-08-01"/>
  <!-- [Updated C-CDA] Procedures Section (entries required) (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.7.1" extension="2025-08-01"/>
  <code code="47519-4" codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC" displayName="PROCEDURES" />
  <title>Procedures</title>
  <text>
    ...
  </text>
  <!-- This entry represents a service act that has been provided -->
  <entry>
    <act classCode="ACT" moodCode="EVN">
      <!-- [Updated C-CDA R2] Procedure Activity Act (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.12" extension="2025-08-01"/>
      ...
    </act>
  </entry>
  <!-- This entry represents a procedure service that has been provided -->
  <entry>
    <procedure classCode="PROC" moodCode="EVN">
      <!-- [Updated C-CDA R2] Procedure Activity Procedure (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.14" extension="2025-08-01"/>
      ...
    </procedure>
  </entry>
  <!-- This entry represents an observation service that has been provided -->
  <entry>
    <!-- [Updated C-CDA R2] Procedure Activity Observation (NHCS V3) -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.13" extension="2025-08-01"/>
      ...
    </observation>
  </entry>
</section>
```

## 2.18 Reason for Referral Section (V2)

[section: identifier urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09  
(open) ]

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DSTU R2

**Table 87: Reason for Referral Section (V2) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Patient Referral Act</a> (optional)

This section describes the clinical reason why a provider is sending a patient to another provider for care. The reason for referral may become the reason for visit documented by the receiving provider.

**Table 88: Reason for Referral Section (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09)					
templateId	1..1	SHALL		<a href="#">1098-7844</a>	
@root	1..1	SHALL	UID	<a href="#">1098-10468</a>	1.3.6.1.4.1.19376.1.5.3.1.3.1
@extension	1..1	SHALL		<a href="#">1098-32571</a>	2014-06-09
code	1..1	SHALL		<a href="#">1098-15427</a>	
@code	1..1	SHALL		<a href="#">1098-15428</a>	42349-1
@codeSystem	1..1	SHALL		<a href="#">1098-30867</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">1098-7846</a>	
text	1..1	SHALL		<a href="#">1098-7847</a>	
entry	0..*	MAY		<a href="#">1098-30808</a>	
act	1..1	SHALL		<a href="#">1098-30897</a>	<a href="#">Patient Referral Act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.140</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-7844) such that it

- a. **SHALL** contain exactly one [1..1] @root="1.3.6.1.4.1.19376.1.5.3.1.3.1" (CONF:1098-10468).
  - b. **SHALL** contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32571).
2. **SHALL** contain exactly one [1..1] code (CONF:1098-15427).
  - a. This code **SHALL** contain exactly one [1..1] @code="42349-1" Reason for Referral (CONF:1098-15428).
  - b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-30867).
3. **SHALL** contain exactly one [1..1] title (CONF:1098-7846).
4. **SHALL** contain exactly one [1..1] text (CONF:1098-7847).
5. **MAY** contain zero or more [0..\*] entry (CONF:1098-30808) such that it
  - a. **SHALL** contain exactly one [1..1] [Patient Referral Act](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.140) (CONF:1098-30897).

**Figure 40: Reason for Referral Section (V2) Example**

```
<component>
  <section>
    <templateId root="1.3.6.1.4.1.19376.1.5.3.1.3.1" extension="2014-06-09" />
    <code code="42349-1" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Reason for Referral " />
    <title>REASON FOR REFERRAL</title>
    <text>Request for Patient referral for consultation.</text>
    <entry>
      <observation classCode="OBS" moodCode="INT">
        <!-- Patient Referral Activity Observation -->
        <templateId root="2.16.840.1.113883.10.20.22.4.140" />
        ...
      </observation>
    </entry>
  </section>
</component>
```

## 2.19 Results Section (entries optional) (NHCS V4)

[section: identifier urn:h17ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01  
(open)]

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**Table 89: Results Section (entries optional) (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (required) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (required) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (required)	<a href="#">Result Organizer (NHCS V5)</a> (optional)

The C-CDA template, Results Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.

This section contains the results of observations generated by laboratories, imaging and other procedures. The scope includes observations of hematology, chemistry, serology, virology, toxicology, microbiology, plain x-ray, ultrasound, CT, MRI, angiography, echocardiography, nuclear medicine, pathology, and procedure observations.

This section often includes notable results such as abnormal values or relevant trends. It can contain all results for the period of time being documented.

Laboratory results are typically generated by laboratories providing analytic services in areas such as chemistry, hematology, serology, histology, cytology, anatomic pathology, microbiology, and/or virology. These observations are based on analysis of specimens obtained from the patient and submitted to the laboratory.

Imaging results are typically generated by a clinician reviewing the output of an imaging procedure, such as where a cardiologist reports the left ventricular ejection fraction based on the review of a cardiac echocardiogram.

Procedure results are typically generated by a clinician to provide more granular information about component observations made during a procedure, such as where a gastroenterologist reports the size of a polyp observed during a colonoscopy.

**Table 90: Results Section (entries optional) (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-33223</a>	
@root	1..1	SHALL		<a href="#">5564-33225</a>	2.16.840.1.113883.10.20.22.2.3
@extension	1..1	SHALL		<a href="#">5564-33226</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-33224</a>	
@code	1..1	SHALL		<a href="#">5564-33227</a>	30954-2
@codeSystem	1..1	SHALL		<a href="#">5564-33228</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-33229</a>	
text	1..1	SHALL		<a href="#">5564-33230</a>	
entry	0..*	SHOULD		<a href="#">5564-33221</a>	
organizer	1..1	SHALL		<a href="#">5564-33222</a>	<a href="#">Result Organizer (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33223) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.3" (CONF:5564-33225).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33226).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-33224).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="30954-2" Relevant diagnostic tests and/or laboratory data (CONF:5564-33227).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33228).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-33229).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-33230).
5. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-33221) such that it
  - a. **SHALL** contain exactly one [1..1] [Result Organizer \(NHCS V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01) (CONF:5564-33222).

**Figure 41: Results Section (entries optional) (NHCS V4) Example**

```
<section>
  <!-- [Updated C-CDA] Results Section (entries optional) (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.3" extension="2025-08-01"/>
  <code code="30954-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
  displayName="Relevant diagnostic tests and/or laboratory data"/>
  <title>Tests and Results</title>
  <text>
    ...
  </text />

  <entry typeCode="DRIV">
    <organizer classCode="BATTERY" moodCode="EVN">
      <!-- [Updated C-CDA R2] Result Organizer (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.1" extension="2025-08-01"/>
      ...
      <component>
        <observation classCode="OBS" moodCode="EVN">
          <!-- [C-CDA R2.1] Result Observation (V4) -->
          <templateId root="2.16.840.1.113883.10.20.22.4.2" extension="2023-
05-01"/>
          ...
        </observation>
      </component>
    </organizer>
  </entry>
</section>
```

## 2.20 Social History Section (NHCS V4)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.17:2025-08-01  
(open)]

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**Table 91: Social History Section (NHCS V4) Contexts**

Contained By:	Contains:
	<a href="#">Pregnancy Observation</a> (optional) <a href="#">Characteristics of Home Environment</a> (optional) <a href="#">Smoking Status - Meaningful Use (V2)</a> (optional) <a href="#">Tobacco Use (V2)</a> (optional) <a href="#">Social History Observation (NHCS V5)</a> (optional)

The C-CDA template, Social History Section (V3), has been versioned in this guide to support USCDI-v3.

This section contains social history data that influence a patient’s physical, psychological or emotional health (e.g., smoking status, pregnancy). Demographic data, such as marital status, race, ethnicity, and religious affiliation, is captured in the header.

**Table 92: Social History Section (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.17:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-7936</a>	
@root	1..1	SHALL		<a href="#">5564-10449</a>	2.16.840.1.113883.10.20.22.2.17
@extension	1..1	SHALL		<a href="#">5564-32494</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-14819</a>	
@code	1..1	SHALL		<a href="#">5564-14820</a>	29762-2
@codeSystem	1..1	SHALL		<a href="#">5564-30814</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">5564-7938</a>	
text	1..1	SHALL		<a href="#">5564-7939</a>	
entry	0..*	MAY		<a href="#">5564-7953</a>	
observation	1..1	SHALL		<a href="#">5564-14821</a>	<a href="#">Social History Observation (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01)</a>
entry	0..*	MAY		<a href="#">5564-9132</a>	
observation	1..1	SHALL		<a href="#">5564-14822</a>	<a href="#">Pregnancy Observation (identifier: urn:oid:2.16.840.1.113883.10.20.15.3.8)</a>
entry	0..*	SHOULD		<a href="#">5564-14823</a>	
observation	1..1	SHALL		<a href="#">5564-14824</a>	<a href="#">Smoking Status - Meaningful Use (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09)</a>
entry	0..*	MAY		<a href="#">5564-16816</a>	
observation	1..1	SHALL		<a href="#">5564-16817</a>	<a href="#">Tobacco Use (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09)</a>
entry	0..*	MAY		<a href="#">5564-28361</a>	
observation	1..1	SHALL		<a href="#">5564-28362</a>	Caregiver Characteristics (identifier:



XPath	Card.	Verb	Data Type	CONF#	Value
					urn:oid:2.16.840.1.113883.10.20.22.4.72
entry	0..*	MAY		<a href="#">5564-28366</a>	
observation	1..1	SHALL		<a href="#">5564-28367</a>	Cultural and Religious Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.111)
entry	0..*	MAY		<a href="#">5564-28825</a>	
observation	1..1	SHALL		<a href="#">5564-28826</a>	<a href="#">Characteristics of Home Environment (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.109)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7936) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.17" (CONF:5564-10449).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32494).
2. **SHALL** contain exactly one [1..1] **code** (CONF:5564-14819).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="29762-2" Social History (CONF:5564-14820).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-30814).
3. **SHALL** contain exactly one [1..1] **title** (CONF:5564-7938).
4. **SHALL** contain exactly one [1..1] **text** (CONF:5564-7939).
5. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-7953) such that it
  - a. **SHALL** contain exactly one [1..1] [Social History Observation \(NHCS V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01) (CONF:5564-14821).
6. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-9132) such that it
  - a. **SHALL** contain exactly one [1..1] [Pregnancy Observation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.15.3.8) (CONF:5564-14822).
7. **SHOULD** contain zero or more [0..\*] **entry** (CONF:5564-14823) such that it
  - a. **SHALL** contain exactly one [1..1] [Smoking Status - Meaningful Use \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09) (CONF:5564-14824).
8. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-16816) such that it
  - a. **SHALL** contain exactly one [1..1] [Tobacco Use \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09) (CONF:5564-16817).
9. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-28361) such that it

- a. **SHALL** contain exactly one [1..1] Caregiver Characteristics (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.72) (CONF:5564-28362).
- 10. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-28366) such that it
  - a. **SHALL** contain exactly one [1..1] Cultural and Religious Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.111) (CONF:5564-28367).
- 11. **MAY** contain zero or more [0..\*] **entry** (CONF:5564-28825) such that it
  - a. **SHALL** contain exactly one [1..1] Characteristics of Home Environment (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.109) (CONF:5564-28826).

**Figure 42: Social History Section (NHCS V4) Example**

```
<section>
  <!-- [Updated C-CDA R2] Social History Section (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.17" extension="2025-08-01"/>
  <code code="29762-2" codeSystem="2.16.840.1.113883.6.1"
    displayName="Social History" codeSystemName="LOINC"/>
  <title>Social History</title>
  <text>
    ...
  </text>
  <entry>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA R1.1] Pregnancy Observation -->
      <templateId root="2.16.840.1.113883.10.20.15.3.8"/>
      ...
    </observation>
  </entry>
  <entry>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA R2] Characteristics of Home Environment -->
      <templateId root="2.16.840.1.113883.10.20.22.4.109"/>
      ...
    </observation>
  </entry>
  <entry>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA R2] Smoking Status - Meaningful Use (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.78" extension="2014-06-09"/>
      ...
    </observation>
  </entry>
  <entry>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA R2] Tobacco Use (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.85" extension="2014-06-09"/>
      ...
    </observation>
  </entry>
  <entry>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA] Social History Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2025-08-01"/>
      ...
    </observation>
  </entry>
</section>
```

### 2.20.1 NHCS Social History Section (V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01  
(open) ]

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**Table 93: NHCS Social History Section (V3) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (optional) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (optional) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (optional)	<a href="#">Birth Sex Observation (V2)</a> (optional) <a href="#">Pregnancy Intention in Next Year</a> (optional) <a href="#">Assessment Scale Observation (NHCS V3)</a> (optional) <a href="#">Disability Status Observation (NHCS V2)</a> (optional) <a href="#">Social History Observation (NHCS V5)</a> (optional) <a href="#">Basic Industry Observation (NHCS V2)</a> (optional) <a href="#">Basic Occupation Observation (NHCS V2)</a> (optional) <a href="#">Tribal Affiliation Observation (NHCS V2)</a> (optional)

This section contains social history data that influence a patient’s physical, psychological, or emotional health (e.g., smoking status, pregnancy) as well as Birth Sex. Demographic data, such as marital status, race, ethnicity, and religious affiliation, are captured in the header. This section is based on the C-CDA section Social History Section (V3) and further constrains that section by adding the C-CDA Birth Sex template.

The Assessment Scale Observation in this section supports the USCDI-v3 data element, SDOH Assessment, which encompasses screenings that represent a structured evaluation of risk (e.g., PRAPARE, Hunger Vital Sign, AHC-HRSN screening tool) for any Social Determinants of Health domain such as food insecurity, housing instability, or transportation insecurity.

**Table 94: NHCS Social History Section (V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01)					
templateId	1..1	SHALL		<a href="#">5564-2277</a>	
@root	1..1	SHALL		<a href="#">5564-2291</a>	2.16.840.1.113883.10.20.34.2.16
@extension	1..1	SHALL		<a href="#">5564-2292</a>	2025-08-01
entry	0..1	MAY		<a href="#">5564-2293</a>	
observation	1..1	SHALL		<a href="#">5564-2294</a>	<a href="#">Birth Sex Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.200:2023-05-01)</a>
entry	0..1	MAY		<a href="#">5564-29092</a>	
observation	1..1	SHALL		<a href="#">5564-29093</a>	<a href="#">Basic Occupation Observation (NHCS V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2025-08-01)</a>
entry	0..1	MAY		<a href="#">5564-29102</a>	
observation	1..1	SHALL		<a href="#">5564-29103</a>	<a href="#">Basic Industry Observation (NHCS V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01)</a>
entry	0..1	MAY		<a href="#">5564-29094</a>	
observation	1..1	SHALL		<a href="#">5564-29095</a>	<a href="#">Pregnancy Intention in Next Year (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.281:2023-05-01)</a>
entry	0..1	MAY		<a href="#">5564-29096</a>	
observation	1..1	SHALL		<a href="#">5564-29097</a>	<a href="#">Tribal Affiliation Observation (NHCS V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2025-08-01)</a>
entry	0..1	MAY		<a href="#">5564-29098</a>	
observation	1..1	SHALL		<a href="#">5564-29099</a>	<a href="#">Disability Status Observation (NHCS V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2025-08-01)</a>
entry	0..1	MAY		<a href="#">5564-29107</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
observation	1..1	SHALL		<a href="#">5564-29108</a>	<a href="#">Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>
entry	0..1	MAY		<a href="#">5564-29109</a>	
observation	1..1	SHALL		<a href="#">5564-29110</a>	<a href="#">Social History Observation (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01)</a>

1. Conforms to [Social History Section \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.17:2025-08-01).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-2277) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.2.16" (CONF:5564-2291).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-2292).
3. **MAY** contain zero or one [0..1] **entry** (CONF:5564-2293) such that it
  - a. **SHALL** contain exactly one [1..1] [Birth Sex Observation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.200:2023-05-01) (CONF:5564-2294).
4. **MAY** contain zero or one [0..1] **entry** (CONF:5564-29092) such that it
  - a. **SHALL** contain exactly one [1..1] [Basic Occupation Observation \(NHCS V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2025-08-01) (CONF:5564-29093).
5. **MAY** contain zero or one [0..1] **entry** (CONF:5564-29102) such that it
  - a. **SHALL** contain exactly one [1..1] [Basic Industry Observation \(NHCS V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01) (CONF:5564-29103).
6. **MAY** contain zero or one [0..1] **entry** (CONF:5564-29094) such that it
  - a. **SHALL** contain exactly one [1..1] [Pregnancy Intention in Next Year](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.281:2023-05-01) (CONF:5564-29095).
7. **MAY** contain zero or one [0..1] **entry** (CONF:5564-29096) such that it
  - a. **SHALL** contain exactly one [1..1] [Tribal Affiliation Observation \(NHCS V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2025-08-01) (CONF:5564-29097).
8. **MAY** contain zero or one [0..1] **entry** (CONF:5564-29098) such that it
  - a. **SHALL** contain exactly one [1..1] [Disability Status Observation \(NHCS V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2025-08-01) (CONF:5564-29099).
9. **MAY** contain zero or one [0..1] **entry** (CONF:5564-29107) such that it

- a. **SHALL** contain exactly one [1..1] [Assessment Scale Observation \(NHCS V3\)](#)  
(identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)  
(CONF:5564-29108).
- 10. **MAY** contain zero or one [0..1] **entry** (CONF:5564-29109) such that it
  - a. **SHALL** contain exactly one [1..1] [Social History Observation \(NHCS V5\)](#)  
(identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01)  
(CONF:5564-29110).

**Figure 43: NHCS Social History Section (V3) Example**

```
<section>
  <!-- [Updated C-CDA R2] Social History Section (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.2.17" extension="2025-08-01"/>
  <!-- [NHCS STU4] NHCS Social History Section (V3) -->
  <templateId root="2.16.840.1.113883.10.20.34.2.16" extension="2025-08-01"/>
  <code code="29762-2" codeSystem="2.16.840.1.113883.6.1" displayName="Social History"
codeSystemName="LOINC"/>
  <title>Social History</title>
  <text>
    ...
  </text>
  <entry>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA 2.1 Comp. Guide V4] Birth Sex Observation (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.200" extension="2023-05-01"/>
      <id root="5501b49a-32ea-4c78-9c31-3dbe782871b7"/>
      <code code="76689-9" displayName="Sex Assigned At Birth"
        codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
      ...
    </observation>
  </entry>
  <entry>
    <!-- [C-CDA] Pregnancy Intention in Next Year -->
    <observation classCode="OBS" moodCode="INT">
      <templateId root="2.16.840.1.113883.10.20.22.4.281" extension="2023-05-01"/>
      ...
    </observation>
  </entry>
  <entry>
    <!-- [Updated C-CDA] Assessment Scale Observation (NHCS V3) -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.69" extension="2025-08-01"/>
      ...
    </observation>
  </entry>
  <entry>
    <!-- [Updated C-CDA 2.1] Disability Status Observation (NHCS V2) -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.505" extension="2025-08-01"/>
      <code code="89571-4" displayName="Disability Status [CUBS]"
        codeSystem="2.16.840.1.113883.6.1"/>
      ...
    </observation>
  </entry>
  <entry>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA] Social History Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2025-08-01"/>
      ...
    </observation>
  </entry>
  <entry>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA] Social History Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2025-08-01"/>
```



```

        <!-- [Updated C-CDA 2.1] Basic Occupation Observation (NHCS V2) -->
        <templateId root="2.16.840.1.113883.10.20.22.4.503" extension="2025-08-01"/>
        ...
        <entryRelationship typeCode="REFR">
            <observation classCode="OBS" moodCode="EVN">
                <!-- [Updated C-CDA] Social History Observation (NHCS V5) -->
                <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2025-08-01"/>

                <!-- [Updated C-CDA 2.1] Basic Industry Observation (NHCS V2) -->
                <templateId root="2.16.840.1.113883.10.20.22.4.504" extension="2025-08-01"/>

                ...
            </observation>
        </entryRelationship>
    </observation>
</entry>
<entry>
    <observation classCode="OBS" moodCode="EVN">
        <!-- [Updated C-CDA] Social History Observation (NHCS V5) -->
        <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2025-08-01"/>
        <!-- [Updated C-CDA] Tribal Affiliation Observation (NHCS V2) -->
        <templateId root="2.16.840.1.113883.10.20.22.4.506" extension="2025-08-01"/>
        <id root="c6b5a04b-2bf4-49d1-8336-636a3813df0bc"/>
        <code code="95370-3" codeSystem="2.16.840.1.113883.6.1"
            codeSystemName="LOINC" displayName="Tribal affiliation"/>
        ...
    </observation>
</entry>
</section>

```

## 2.21 Vital Signs Section (entries optional) (V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.4:2015-08-01 (open)]

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**Table 95: Vital Signs Section (entries optional) (V3) Contexts**

Contained By:	Contains:
	<a href="#">Vital Signs Organizer (V3)</a> (optional)

The Vital Signs Section contains relevant vital signs for the context and use case of the document type, such as blood pressure, heart rate, respiratory rate, height, weight, body mass index, head circumference, pulse oximetry, temperature, and body surface area. The section should include notable vital signs such as the most recent, maximum and/or minimum, baseline, or relevant trends. Vital signs are represented in the same way as other results, but are aggregated into their own section to follow clinical conventions.

**Table 96: Vital Signs Section (entries optional) (V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.4:2015-08-01)					
templateId	1..1	SHALL		<a href="#">1198-7268</a>	
@root	1..1	SHALL		<a href="#">1198-10451</a>	2.16.840.1.113883.10.20.22.2.4
@extension	1..1	SHALL		<a href="#">1198-32584</a>	2015-08-01
code	1..1	SHALL		<a href="#">1198-15242</a>	
@code	1..1	SHALL		<a href="#">1198-15243</a>	8716-3
@codeSystem	1..1	SHALL		<a href="#">1198-30902</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">1198-9966</a>	
text	1..1	SHALL		<a href="#">1198-7270</a>	
entry	0..*	SHOULD		<a href="#">1198-7271</a>	
organizer	1..1	SHALL		<a href="#">1198-15517</a>	<a href="#">Vital Signs Organizer (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01)</a>

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-7268) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.2.4" (CONF:1198-10451).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32584).
2. **SHALL** contain exactly one [1..1] **code** (CONF:1198-15242).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="8716-3" Vital Signs (CONF:1198-15243).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-30902).
3. **SHALL** contain exactly one [1..1] **title** (CONF:1198-9966).
4. **SHALL** contain exactly one [1..1] **text** (CONF:1198-7270).
5. **SHOULD** contain zero or more [0..\*] **entry** (CONF:1198-7271) such that it
  - a. **SHALL** contain exactly one [1..1] [Vital Signs Organizer \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01) (CONF:1198-15517).

2.21.1 Vital Signs Section (entries required) (V3)

[section: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01 (open) ]

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DSTU R2.1

Table 97: Vital Signs Section (entries required) (V3) Contexts

Contained By:	Contains:
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a> (required) <a href="#">Inpatient Encounter (NHCS-IP) (V7)</a> (required) <a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a> (required)	<a href="#">Vital Signs Organizer (V3)</a> (required)

The Vital Signs Section contains relevant vital signs for the context and use case of the document type, such as blood pressure, heart rate, respiratory rate, height, weight, body mass index, head circumference, pulse oximetry, temperature, and body surface area. The section should include notable vital signs such as the most recent, maximum and/or minimum, baseline, or relevant trends. Vital signs are represented in the same way as other results, but are aggregated into their own section to follow clinical conventions.

**Table 98: Vital Signs Section (entries required) (V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
section (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01)					
@nullFlavor	0..1	MAY		<a href="#">1198-32874</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = NI
templateId	1..1	SHALL		<a href="#">1198-7273</a>	
@root	1..1	SHALL		<a href="#">1198-10452</a>	2.16.840.1.113883.10.20.22.2.4.1
@extension	1..1	SHALL		<a href="#">1198-32585</a>	2015-08-01
code	1..1	SHALL		<a href="#">1198-15962</a>	
@code	1..1	SHALL		<a href="#">1198-15963</a>	8716-3
@codeSystem	1..1	SHALL		<a href="#">1198-30903</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
title	1..1	SHALL		<a href="#">1198-9967</a>	
text	1..1	SHALL		<a href="#">1198-7275</a>	
entry	1..*	SHALL		<a href="#">1198-7276</a>	
organizer	1..1	SHALL		<a href="#">1198-15964</a>	<a href="#">Vital Signs Organizer (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01)</a>

1. Conforms to [Vital Signs Section \(entries optional\) \(V3\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.2.4:2015-08-01).
2. **MAY** contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:1198-32874).
3. **SHALL** contain exactly one [1..1] templateId (CONF:1198-7273) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.2.4.1" (CONF:1198-10452).
  - b. **SHALL** contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32585).
4. **SHALL** contain exactly one [1..1] code (CONF:1198-15962).
  - a. This code **SHALL** contain exactly one [1..1] @code="8716-3" Vital Signs (CONF:1198-15963).
  - b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-30903).
5. **SHALL** contain exactly one [1..1] title (CONF:1198-9967).
6. **SHALL** contain exactly one [1..1] text (CONF:1198-7275).

If section/@nullFlavor is not present:

7. **SHALL** contain at least one [1..\*] **entry** (CONF:1198-7276) such that it
  - a. **SHALL** contain exactly one [1..1] [Vital Signs Organizer \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01) (CONF:1198-15964).

**Figure 44: Vital Signs Section (entries required) (V3) Example**

```
<component>
  <section>
    <!-- ** Vital Signs section with entries required ** -->
    <templateId root="2.16.840.1.113883.10.20.22.2.4.1" extension="2015-08-01" />
    <code code="8716-3" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="VITAL SIGNS" />
    <title>VITAL SIGNS</title>
    <text>
      . . .
    </text>
    <entry typeCode="DRIV">
      <organizer classCode="CLUSTER" moodCode="EVN">
        <!-- ** Vital signs organizer ** -->
        <templateId root="2.16.840.1.113883.10.20.22.4.26" extension="2015-08-01"
/>
          . . .
        </organizer>
      </entry>
    </section>
  </component>
```

### 3 ENTRY-LEVEL TEMPLATES

This chapter describes the clinical statement entry templates used within the sections of the document. Entry templates contain constraints that are required for conformance.

Entry-level templates are always in sections.

Each entry-level template description contains the following information:

- Key template metadata (e.g., templateId, etc.)
- Description and explanatory narrative.
- Required CDA acts, participants and vocabularies.
- Optional CDA acts, participants and vocabularies.

Several entry-level templates require an effectiveTime:

The effectiveTime of an observation is the time interval over which the observation is known to be true. The low and high values should be as precise as possible, but no more precise than known. While CDA has multiple mechanisms to record this time interval (e.g., by low and high values, low and width, high and width, or center point and width), we constrain most to use only the low/high form. The low value is the earliest point for which the condition is known to have existed. The high value, when present, indicates the time at which the observation was no longer known to be true. The full description of effectiveTime and time intervals is contained in the CDA R2 normative edition.

ID in entry templates:

Entry-level templates may also describe an id element, which is an identifier for that entry. This id may be referenced within the document, or by the system receiving the document. The id assigned must be globally unique.

#### 3.1 Allergy Concern Act (NHCS V4)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 99: Allergy Concern Act (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Allergies and Intolerances Section (entries optional) (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional)
<a href="#">Allergies and Intolerances Section (entries required) (NHCS V4)</a> (required)	<a href="#">Allergy - Intolerance Observation (NHCS V3)</a> (required)

The C-CDA template, Allergy Concern Act (V3), has been versioned in this guide to support USCDI-v3. This template reflects an ongoing concern on behalf of the provider that placed the allergy on a patient’s allergy list. As long as the underlying condition is of concern to the provider (i.e., as long as the allergy, whether active or resolved, is of ongoing concern and interest to the provider), the statusCode is “active”. Only when the underlying allergy is no longer of concern is the statusCode set to “completed”. The effectiveTime reflects the time that the underlying allergy was felt to be a concern. The statusCode of the Allergy Concern Act is the definitive indication of the status of the concern, whereas the effectiveTime of the nested Allergy - Intolerance Observation is the definitive indication of whether or not the underlying allergy is resolved.

The effectiveTime/low of the Allergy Concern Act asserts when the concern became active. This equates to the time the concern was authored in the patient's chart. The effectiveTime/high asserts when the concern was completed (e.g., when the clinician deemed there is no longer any need to track the underlying condition).

**Table 100: Allergy Concern Act (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-7469</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">5564-7470</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-7471</a>	
@root	1..1	SHALL		<a href="#">5564-10489</a>	2.16.840.1.113883.10.20.22.4.30
@extension	1..1	SHALL		<a href="#">5564-32543</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-7472</a>	
code	1..1	SHALL		<a href="#">5564-7477</a>	
@code	1..1	SHALL		<a href="#">5564-19158</a>	CONC
@codeSystem	1..1	SHALL		<a href="#">5564-32154</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = 2.16.840.1.113883.5.6
statusCode	1..1	SHALL		<a href="#">5564-7485</a>	
@code	1..1	SHALL		<a href="#">5564-19086</a>	urn:oid:2.16.840.1.113883.11.20.9.19 (ProblemAct statusCode)
effectiveTime	1..1	SHALL		<a href="#">5564-7498</a>	
author	0..*	SHOULD		<a href="#">5564-31145</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	1..*	SHALL		<a href="#">5564-7509</a>	
@typeCode	1..1	SHALL		<a href="#">5564-7915</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
observation	1..1	SHALL		<a href="#">5564-14925</a>	<a href="#">Allergy - Intolerance Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-7469).



2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-7470).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-7471) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.30" (CONF:5564-10489).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32543).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-7472).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-7477).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="CONC" Concern (CONF:5564-19158).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.5.6" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-32154).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-7485).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [ProblemAct statusCode](#) urn:oid:2.16.840.1.113883.11.20.9.19 **STATIC** (CONF:5564-19086).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-7498).
  - a. If statusCode/**@code**="active" Active, then effectiveTime **SHALL** contain [1..1] low (CONF:5564-7504).
  - b. If statusCode/**@code**="completed" Completed, then effectiveTime **SHALL** contain [1..1] high (CONF:5564-10085).
8. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-31145).
9. **SHALL** contain at least one [1..\*] **entryRelationship** (CONF:5564-7509) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="SUBJ" Has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-7915).
  - b. **SHALL** contain exactly one [1..1] [Allergy - Intolerance Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01) (CONF:5564-14925).

**Table 101: ProblemAct statusCode**

<p>Value Set: ProblemAct statusCode urn:oid:2.16.840.1.113883.11.20.9.19 (Clinical Focus: This describes the state of care giver or system interest in the associated health concern.), (Data Element Scope: StatusCode which tracks the interest in continued tracking of AllergyConcernAct or ProblemConcernAct), (Inclusion Criteria: ), (Exclusion Criteria: )</p> <p>This value set was imported on 10/24/2024 with a version of Latest.</p> <p>Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.19/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.19/expansion</a></p>			
Code	Code System	Code System OID	Print Name
aborted	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	aborted
active	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	active
completed	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	completed
suspended	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	suspended

**Figure 45: Allergy Concern Act (NHCS V4) Example**

```

<act classCode="ACT" moodCode="EVN">
  <!-- [Updated C-CDA] Allergy Concern Act (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.30" extension="2025-08-01"/>
  <id root="4a2ac5fc-0c85-4223-baee-c2e254803974"/>
  <code code="CONC" codeSystem="2.16.840.1.113883.5.6"/>
  <text>
    ...
  </text>
  <statusCode code="active"/>
  <!-- This is the time stamp for when the allergy was first documented as a concern -->
  <effectiveTime value="20140104123506-0500"/>
  <author>
    <!-- [C-CDA R2] Author Participation -->
    <templateId root="2.16.840.1.113883.10.20.22.4.119"/>
    ...
  </author>
  <entryRelationship typeCode="SUBJ">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA] Substance or Device Allergy - Intolerance Observation (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.24.3.90" extension="2025-08-01"/>
      <!-- [Updated C-CDA] Allergy - Intolerance Observation (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.7" extension="2025-08-01"/>
      ...
      <!-- This is the time stamp for the biological onset of the allergy. -->
      <!-- This documents that the allergy began at given year month and day, although hour and minute not specified -->
      <effectiveTime>
        ...
      </effectiveTime>
      <!-- This specifies that the allergy is a propensity to adverse reactions to substance -->
      <value xsi:type="CD" code="418038007"
        displayName="Propensity to adverse reactions to substance (disorder)"
        codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT"/>
      <author>
        <!-- [C-CDA R2] Author Participation -->
        <templateId root="2.16.840.1.113883.10.20.22.4.119"/>
        ...
      </author>
      <participant typeCode="CSM">
        <participantRole classCode="MANU">
          <playingEntity classCode="MMAT">
            <!-- SNOMED or UNII may be used for allergies in both C-CDA 1.1 and 2.0 -->
            <!-- Note that the SNOMED code for 'latex allergy' is not appropriate since the allergy is conveyed elsewhere in the observation -->
            <code code="111088007" displayName="Latex"
              codeSystem="2.16.840.1.113883.6.96"
              codeSystemName="SNOMED CT">
              <originalText>
                ...
              </originalText>

```

```

        </code>
      </playingEntity>
    </participantRole>
  </participant>
  <entryRelationship typeCode="MFST" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA] Reaction Observation (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.9" extension="2025-08-
01"/>
      ...
    <entryRelationship typeCode="SUBJ" inversionInd="true">
      <observation classCode="OBS" moodCode="EVN">
        <!-- [C-CDA] Severity Observation (V2) -->
        <templateId root="2.16.840.1.113883.10.20.22.4.8"
extension="2014-06-09"/>
        ...
      </observation>
    </entryRelationship>
  </observation>
</entryRelationship>
</act>

```

### 3.2 Allergy Status Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20 (open)]

Published as part of Consolidated CDA Templates for Clinical Notes (US Realm)  
DSTU R2.1

**Table 102: Allergy Status Observation Contexts**

Contained By:	Contains:
<a href="#">Substance or Device Allergy - Intolerance Observation (NHCS V3)</a> (optional) <a href="#">Allergy - Intolerance Observation (NHCS V3)</a> (optional)	

This template represents the clinical status attributed to the allergy or intolerance. There can be only one allergy status observation per allergy - intolerance observation.

**Table 103: Allergy Status Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20)					
@classCode	1..1	SHALL		<a href="#">1198-7318</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1198-7319</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1198-7317</a>	
@root	1..1	SHALL		<a href="#">1198-10490</a>	2.16.840.1.113883.10.20.22.4.28
@extension	1..1	SHALL		<a href="#">1198-32962</a>	2019-06-20
code	1..1	SHALL		<a href="#">1198-7320</a>	
@code	1..1	SHALL		<a href="#">1198-19131</a>	33999-4
@codeSystem	1..1	SHALL		<a href="#">1198-32155</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">1198-7321</a>	
@code	1..1	SHALL		<a href="#">1198-19087</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	CE	<a href="#">1198-7322</a>	urn:oid:2.16.840.1.113762.1.4.1099.29 (Allergy Clinical Status)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-7318).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-7319).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-7317) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.28" (CONF:1198-10490).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2019-06-20" (CONF:1198-32962).
4. **SHALL** contain exactly one [1..1] **code** (CONF:1198-7320).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="33999-4" Status (CONF:1198-19131).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-32155).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-7321).

- a. This statusCode **SHALL** contain exactly one [1..1] @code="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1198-19087).
6. **SHALL** contain exactly one [1..1] value with @xsi:type="CE", where the code **SHALL** be selected from ValueSet Allergy Clinical Status urn:oid:2.16.840.1.113762.1.4.1099.29 **DYNAMIC** (CONF:1198-7322).

**Table 104: Allergy Clinical Status**

Value Set: Allergy Clinical Status urn:oid:2.16.840.1.113762.1.4.1099.29 (Clinical Focus: The clinical status of an allergic condition),(Data Element Scope: Status value),(Inclusion Criteria: limited high level status of a clinical condition),(Exclusion Criteria: none specific)  This value set was imported on 6/26/2019 with a version of 20190418. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.29/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.29/expansion</a>			
Code	Code System	Code System OID	Print Name
413322009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Problem resolved (finding)
55561003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Active (qualifier value)
73425007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Inactive (qualifier value)

### 3.3 Assessment Scale Observation (NHCS V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01 (open) ]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 105: Assessment Scale Observation (NHCS V3) Contexts**

Contained By:	Contains:
<u>NHCS Social History Section (V3)</u> (optional) <u>Procedure Activity Procedure (NHCS V4)</u> (optional) <u>Mental Status Section (NHCS V3)</u> (optional) <u>Functional Status Section (NHCS V3)</u> (optional) <u>Health Concern Act (NHCS V4)</u> (optional) <u>Functional Status Observation (NHCS V3)</u> (optional) <u>Disability Status Observation (NHCS V2)</u> (optional) <u>Mental Status Observation (NHCS V4)</u> (optional) <u>Planned Procedure (NHCS V4)</u> (optional) <u>Problem Observation (NHCS V5)</u> (optional) <u>Social History Observation (NHCS V5)</u> (optional)	<u>Assessment Scale Supporting Observation (V2)</u> (optional)

The C-CDA template, Assessment Scale Supporting Observation (V2), has been versioned in this guide to support USCDI-v3.

An assessment scale is a collection of observations that together can yield a calculated or non-calculated summary evaluation of a one or more conditions. Examples include the Braden Scale

(assesses pressure ulcer risk), APACHE Score (estimates mortality in critically ill patients), Mini-Mental Status Exam (assesses cognitive function), APGAR Score (assesses the health of a newborn), Glasgow Coma Scale (assesses coma and impaired consciousness), and WE CARE (Well Child Care, Evaluation, Community Resources, Advocacy, Referral, Education - a clinic-based screening and referral system developed for pediatric settings).

When an Assessment Scale Observation is contained in a Problem Observation, a Social History Observation or a Procedure instance that is Social Determinant of Health focused, that Assessment scale **MAY** contain assessment scale observations that represent question and answer pairs from SDOH screening instruments that are represented in LOINC. Note that guidance on the use of LOINC in assessment scales already exists in Assessment Scale Observation constraints and Assessment Scale Supporting Observations constraints.

**Table 106: Assessment Scale Observation (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-14434</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-14435</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-14436</a>	
@root	1..1	SHALL		<a href="#">5564-14437</a>	2.16.840.1.113883.10.20.22.4.69
@extension	1..1	SHALL		<a href="#">5564-33037</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-14438</a>	
code	1..1	SHALL		<a href="#">5564-14439</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC)
derivationExpr	0..1	MAY		<a href="#">5564-14637</a>	
statusCode	1..1	SHALL		<a href="#">5564-14444</a>	
@code	1..1	SHALL		<a href="#">5564-19088</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">5564-14445</a>	
value	1..1	SHALL		<a href="#">5564-14450</a>	
interpretationCode	0..*	MAY		<a href="#">5564-14459</a>	
translation	0..*	MAY		<a href="#">5564-14888</a>	
author	0..*	MAY		<a href="#">5564-14460</a>	
entryRelationship	0..*	SHOULD		<a href="#">5564-14451</a>	
@typeCode	1..1	SHALL		<a href="#">5564-16741</a>	COMP
observation	1..1	SHALL		<a href="#">5564-16742</a>	<a href="#">Assessment Scale Supporting Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01)</a>
referenceRange	0..*	MAY		<a href="#">5564-16799</a>	
observationRange	1..1	SHALL		<a href="#">5564-16800</a>	
text	0..1	SHOULD		<a href="#">5564-</a>	



XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">16801</a>	
reference	0..1	SHOULD		<a href="#">5564-16802</a>	
@value	0..1	MAY		<a href="#">5564-16803</a>	

1. **SHALL** contain exactly one [1..1] **@classCode="OBS"** (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-14434).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-14435).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-14436) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.69"** (CONF:5564-14437).
  - b. **SHALL** contain exactly one [1..1] **@extension="2025-08-01"** (CONF:5564-33037).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-14438).
5. **SHALL** contain exactly one [1..1] **code**, which **SHALL** be selected from CodeSystem LOINC (urn:oid:2.16.840.1.113883.6.1) **DYNAMIC** (CONF:5564-14439).

Such derivation expression can contain a text calculation of how the components total up to the summed score

6. **MAY** contain zero or one [0..1] **derivationExpr** (CONF:5564-14637).
7. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-14444).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:5564-19088).

Represents clinically effective time of the measurement, which may be when the measurement was performed (e.g., a BP measurement), or may be when sample was taken (and measured some time afterwards)

8. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-14445).
9. **SHALL** contain exactly one [1..1] **value** (CONF:5564-14450).
10. **MAY** contain zero or more [0..\*] **interpretationCode** (CONF:5564-14459).
  - a. The interpretationCode, if present, **MAY** contain zero or more [0..\*] **translation** (CONF:5564-14888).
11. **MAY** contain zero or more [0..\*] **author** (CONF:5564-14460).
12. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:5564-14451) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** has component (CONF:5564-16741).
  - b. **SHALL** contain exactly one [1..1] [Assessment Scale Supporting Observation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01) (CONF:5564-16742).
13. **MAY** contain zero or more [0..\*] **referenceRange** (CONF:5564-16799).

- a. The referenceRange, if present, **SHALL** contain exactly one [1..1] **observationRange** (CONF:5564-16800).

The text may contain a description of the scale (e.g., for a Pain Scale 1 to 10: 1 to 3 = little pain, 4 to 7= moderate pain, 8 to 10 = severe pain)

- i. This observationRange **SHOULD** contain zero or one [0..1] **text** (CONF:5564-16801).
  1. The text, if present, **SHOULD** contain zero or one [0..1] **reference** (CONF:5564-16802).
    - a. The reference, if present, **MAY** contain zero or one [0..1] **@value** (CONF:5564-16803).
      - i. This reference/@value **SHALL** begin with a '#' and **SHALL** point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:5564-16804).

**Figure 46: Assessment Scale Observation (NHCS V3) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA] Assessment Scale Observation (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.69" extension="2025-08-01"/>
  <id root="c6b5a04b-2bf4-49d1-8336-636a3813df0b"/>
  <code code="54614-3"
    displayName="Brief Interview for Mental Status"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"/>
  <derivationExpr>Text description of the calculation</derivationExpr>
  <statusCode code="completed"/>
  <effectiveTime value="20120214"/>
  <!-- Summed score of the component values -->
  <value xsi:type="INT" value="7"/>
  <entryRelationship typeCode="COMP">
    <!-- [C-CDA R2.1] Assessment Scale Supporting Observation (V2) -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.86" extension="2022-06-01"/>
      ...
    </observation>
  </entryRelationship>
</observation>
```

**Figure 47: Assessment Scale Observation (NHCS V3) - Hunger Vital Signs Example**

```

<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA] Assessment Scale Observation (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.69" extension="2025-08-01"/>
  <id root="c6b5a04b-2bf4-49d1-8336-636a3813df0b"/>
  <code code="88121-9" displayName="Hunger Vital Signs"
    codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
  <derivationExpr>Text description of the calculation</derivationExpr>
  <statusCode code="completed"/>
  <effectiveTime value="20120214"/>
  <!-- Summed score of the component values -->
  <value xsi:type="INT" value="2"/>
  <entryRelationship typeCode="COMP">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA R2.1] Assessment Scale Supporting Observation (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.86"/>
      <id root="f4dce790-8328-11db-9fel-0800200c9a44"/>
      <code code="88122-7"
        displayName="(I/We) worried whether (my/our) food would run out before
(I/we) got money to buy more"
        codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
      <statusCode code="completed"/>
      <value xsi:type="CD" code="LA28397-0"
        displayName="Often true" codeSystem="2.16.840.1.113883.6.1">
        <translation code="1" codeSystem="2.16.840.1.113883.6.1"
          codeSystemName="LOINC"/>
      </value>
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="COMP">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA R2.1] Assessment Scale Supporting Observation (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.86"/>
      <id root="f4dce790-8328-11db-9fel-0800200c9a44"/>
      <code code="88123-5"
        displayName="Within the past 12Mo the food we bought just didn't last and
we didn't have money to get more"
        codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
      <statusCode code="completed"/>
      <value xsi:type="CD" code="LA28397-0"
        displayName="Often true" codeSystem="2.16.840.1.113883.6.1">
        <translation code="1" codeSystem="2.16.840.1.113883.6.1"
          codeSystemName="LOINC"/>
      </value>
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="COMP">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA R2.1] Assessment Scale Supporting Observation (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.86"/>
      <id root="f4dce790-8328-11db-9fel-0800200c9a44"/>
      <code code="88124-3" displayName="Food insecurity risk [HVS]"
        codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
      <statusCode code="completed"/>
      <value xsi:type="CD" code="LA19952-3"
        displayName="At risk" codeSystem="2.16.840.1.113883.6.1"/>
    </observation>
  </entryRelationship>

```

```

    </observation>
  </entryRelationship>
</observation>

```

### 3.4 Assessment Scale Supporting Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01 (open) ]

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**Table 107: Assessment Scale Supporting Observation (V2) Contexts**

Contained By:	Contains:
<a href="#">Assessment Scale Observation (NHCS V3)</a> (optional)	

An Assessment Scale Supporting Observation represents the components of a scale used in an Assessment Scale Observation. The individual parts that make up the component may be a group of physical, cognitive, functional status, social observations or answers to questions.

**Table 108: Assessment Scale Supporting Observation (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01)					
@classCode	1..1	SHALL		<a href="#">4515-16715</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">4515-16716</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">4515-16722</a>	
@root	1..1	SHALL		<a href="#">4515-16723</a>	2.16.840.1.113883.10.20.22.4.86
@extension	1..1	SHALL		<a href="#">4515-33036</a>	2022-06-01
id	1..*	SHALL		<a href="#">4515-16724</a>	
code	1..1	SHALL		<a href="#">4515-19178</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC)
statusCode	1..1	SHALL		<a href="#">4515-16720</a>	
@code	1..1	SHALL		<a href="#">4515-19089</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..*	SHALL		<a href="#">4515-16754</a>	

1. **SHALL** contain exactly one [1..1] **@classCode="OBS"** Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4515-16715).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4515-16716).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4515-16722) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.86"** (CONF:4515-16723).
  - b. **SHALL** contain exactly one [1..1] **@extension="2022-06-01"** (CONF:4515-33036).
4. **SHALL** contain at least one [1..\*] **id** (CONF:4515-16724).
5. **SHALL** contain exactly one [1..1] **code**, which **SHALL** be selected from CodeSystem LOINC (urn:oid:2.16.840.1.113883.6.1) **DYNAMIC** (CONF:4515-19178).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4515-16720).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:4515-19089).
7. **SHALL** contain at least one [1..\*] **value** (CONF:4515-16754).
  - a. If xsi:type="CD", **MAY** have a translation code to further specify the source if the instrument has an applicable code system and value set for the integer (CONF:14639) (CONF:4515-16755).

**Figure 48: Assessment Scale Supporting Observation Example**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.86" extension="2022-06-01"/>
  <id root="f4dce790-8328-11db-9fe1-0800200c9a44"/>
  <code code="60715-0" displayName="Defensive Reaction - Head and Neck Response"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
  <statusCode code="completed"/>
  <value xsi:type="INT" value="3"/>
</observation>
```

### 3.5 Birth Sex Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.200:2023-05-01 (open)]

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**Table 109: Birth Sex Observation (V2) Contexts**

Contained By:	Contains:
<a href="#">NHCS Social History Section (V3)</a> (optional)	

This observation represents the sex of the patient at birth. It is the sex that is entered on the person's birth certificate at time of birth.

This observation is not appropriate for recording patient gender (administrativeGender).

This observation is not appropriate for recording Gender Identity (GI).

It is recommended systems include the Birth Sex observation in the Social History section.

**Table 110: Birth Sex Observation (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.200:2023-05-01)					
@classCode	1..1	SHALL		<a href="#">4537-33041</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">4537-33042</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">4537-33032</a>	
@root	1..1	SHALL		<a href="#">4537-33036</a>	2.16.840.1.113883.10.20.22.4.200
@extension	1..1	SHALL		<a href="#">4537-33037</a>	2023-05-01
code	1..1	SHALL		<a href="#">4537-33033</a>	
@code	1..1	SHALL		<a href="#">4537-33038</a>	76689-9
@codeSystem	1..1	SHALL		<a href="#">4537-33039</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">4537-33031</a>	
@code	1..1	SHALL		<a href="#">4537-33035</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">4537-33043</a>	
low	1..1	SHALL NOT		<a href="#">4537-33044</a>	
width	1..1	SHALL NOT		<a href="#">4537-33045</a>	
high	1..1	SHALL NOT		<a href="#">4537-33046</a>	
center	1..1	SHALL NOT		<a href="#">4537-33047</a>	
value	1..1	SHALL	CD	<a href="#">4537-33034</a>	urn:oid:2.16.840.1.113762.1.4.1 (ONC Administrative Sex)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4537-33041).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4537-33042).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4537-33032) such that it

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.200" (CONF:4537-33036).
    - b. **SHALL** contain exactly one [1..1] **@extension**="2023-05-01" (CONF:4537-33037).
  4. **SHALL** contain exactly one [1..1] **code** (CONF:4537-33033).
    - a. This code **SHALL** contain exactly one [1..1] **@code**="76689-9" Sex Assigned At Birth (CONF:4537-33038).
    - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 **STATIC**) (CONF:4537-33039).
  5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4537-33031).
    - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:4537-33035).
  6. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4537-33043).
- Note: This template represents a "snapshot in time" observation, simply reflecting the patient's sex at the time of the observation. As a result, the effectiveTime is constrained to just a time stamp. Since this represents Birth Sex it SHALL match the birthTime.
- a. This effectiveTime **SHALL NOT** contain exactly one [1..1] **low** (CONF:4537-33044).
    - b. This effectiveTime **SHALL NOT** contain exactly one [1..1] **width** (CONF:4537-33045).
    - c. This effectiveTime **SHALL NOT** contain exactly one [1..1] **high** (CONF:4537-33046).
    - d. This effectiveTime **SHALL NOT** contain exactly one [1..1] **center** (CONF:4537-33047).
  7. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD", where the code **SHALL** be selected from ValueSet ONC Administrative Sex urn:oid:2.16.840.1.113762.1.4.1 **STATIC** 2016-06-01 (CONF:4537-33034).
    - a. If value/**@code** not from value set ONC Administrative Sex urn:oid:2.16.840.1.113762.1.4.1 **STATIC** 2016-06-01, then value/**@nullFlavor** **SHALL** be "UNK" (CONF:4537-33040).

**Table 111: ONC Administrative Sex**

Value Set: ONC Administrative Sex urn:oid:2.16.840.1.113762.1.4.1 (Clinical Focus: Gender identity restricted to only Male and Female used in administrative situations requiring a restriction to these two categories.),(Data Element Scope: Gender),(Inclusion Criteria: Male and Female only.),(Exclusion Criteria: Any gender identity that is not male or female.)  This value set was imported on 3/14/2025 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1/expansion</a>			
Code	Code System	Code System OID	Print Name
F	Administrative Gender	urn:oid:2.16.840.1.113883.5.1	Female
M	Administrative Gender	urn:oid:2.16.840.1.113883.5.1	Male

**Figure 49: Birth Sex Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- Not asserting conformance to Social History Observation due to different vocab. -->
  <templateId root="2.16.840.1.113883.10.20.22.4.200" extension="2016-06-01"/>
  <code code="76689-9" codeSystem="2.16.840.1.113883.6.1"
    displayName="Sex Assigned At Birth"/>
  <text>
    <reference value="#BSex_Narrative1"/>
  </text>
  <statusCode code="completed"/>
  <!-- effectiveTime if present should match birthTime -->
  <!-- Request name change to QRDA value set (2.16.840.1.113762.1.4.1) - ONC Birth Sex -->
  <value xsi:type="CD" codeSystem="2.16.840.1.113883.5.1"
codeSystemName="AdministrativeGender"
    code="F" displayName="Female">
    <originalText>
      <reference value="#BSex_value"/>
    </originalText>
  </value>
  <author>
    ...
  </author>
</observation>
```

### 3.6 Care Team Member Act (V2)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01  
(open)]

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**Table 112: Care Team Member Act (V2) Contexts**

Contained By:	Contains:
<a href="#">Care Team Organizer (V2)</a> (required)	<a href="#">US Realm Person Name (PN.US.FIELDDED)</a> (optional) <a href="#">Note Activity</a> (optional) <a href="#">Care Team Member Schedule Observation (V2)</a> (optional)

This template is used to represent a member of the care team. Care team members can include healthcare and community services providers, caregivers, relatives, the patient themselves, etc. A care team member can be another care team or an organization.

Care team member attributes include the following:

- Care team member status on the care team
- Care team member time (e.g. duration, point-in-time, etc.) on the care team
- Schedule of the care team member describing when the care team member usually participates on the care team
- Care team member function on the care team such as the care team member specialty, relationship to the patient, and also role on the care team



- Care team member name, address, telecom, organization, etc.
- Care team member information (narrative description about the care team member)

The performer/assignedEntity/id may be set equal to (a pointer to) an id on a performer elsewhere in the document (header or entries) or a new performer can be described here. If the id is pointing to a performer already described elsewhere in the document, assignedEntity/id is sufficient to identify this performer and none of the remaining details of assignedEntity are required to be set. Application Software must be responsible for resolving the identifier back to its original object and then rendering the information in the correct place in the containing section's narrative text.

This id must be a pointer to another Performer.

**Table 113: Care Team Member Act (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01)					
@classCode	1..1	SHALL		<a href="#">4515-53</a>	PCPR
@moodCode	1..1	SHALL		<a href="#">4515-54</a>	EVN
templateId	1..1	SHALL		<a href="#">4515-45</a>	
@root	1..1	SHALL		<a href="#">4515-66</a>	2.16.840.1.113883.10.20.22.4.500.1
@extension	1..1	SHALL		<a href="#">4515-67</a>	2022-06-01
code	1..1	SHALL		<a href="#">4515-27</a>	
@code	1..1	SHALL		<a href="#">4515-48</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 85847-2
@codeSystem	1..1	SHALL		<a href="#">4515-49</a>	2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">4515-62</a>	
@code	1..1	SHALL		<a href="#">4515-68</a>	urn:oid:2.16.840.1.113883.1.1.1.15933 (ActStatus)
effectiveTime	1..1	SHALL		<a href="#">4515-33</a>	
low	1..1	SHALL		<a href="#">4515-167</a>	
high	0..1	MAY		<a href="#">4515-168</a>	
performer	1..1	SHALL		<a href="#">4515-160</a>	
sdtc:functionCode	0..1	MAY		<a href="#">4515-161</a>	urn:oid:2.16.840.1.113762.1.4.1099.30 (Care Team Member Function)
assignedEntity	1..1	SHALL		<a href="#">4515-175</a>	
id	1..*	SHALL		<a href="#">4515-176</a>	
@root	0..1	SHOULD		<a href="#">4515-177</a>	2.16.840.1.113883.4.6
addr	0..*	SHOULD		<a href="#">4515-182</a>	
telecom	0..*	SHOULD		<a href="#">4515-183</a>	
assignedPerson	0..1	SHOULD		<a href="#">4515-178</a>	
name	1..1	SHALL		<a href="#">4515-179</a>	<a href="#">US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)</a>
representedOrganization	0..1	MAY		<a href="#">4515-181</a>	
participant	0..*	MAY		<a href="#">4515-171</a>	
@typeCode	1..1	SHALL		<a href="#">4515-174</a>	urn:oid:2.16.840.1.113883.5.9.0 (HL7ParticipationType) = LOC
participantRole	1..1	SHALL		<a href="#">4515-173</a>	
participant	0..*	MAY		<a href="#">4515-76</a>	
@typeCode	1..1	SHALL		<a href="#">4515-78</a>	urn:oid:2.16.840.1.113883.5.9.0 (HL7ParticipationType) = IND

XPath	Card.	Verb	Data Type	CONF#	Value
sdtc:functionCode	1..1	SHALL		<a href="#">4515-169</a>	urn:oid:2.16.840.1.113762.1.4.1099.30 (Care Team Member Function)
entryRelationship	0..*	MAY		<a href="#">4515-86</a>	
@typeCode	1..1	SHALL		<a href="#">4515-87</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
encounter	1..1	SHALL		<a href="#">4515-88</a>	
id	1..1	SHALL		<a href="#">4515-89</a>	
entryRelationship	0..*	MAY		<a href="#">4515-91</a>	
@typeCode	1..1	SHALL		<a href="#">4515-92</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">4515-93</a>	<a href="#">Note Activity (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01)</a>
entryRelationship	0..1	MAY		<a href="#">4515-94</a>	
@typeCode	1..1	SHALL		<a href="#">4515-96</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">4515-95</a>	<a href="#">Care Team Member Schedule Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-06-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="PCPR" Provision of Care (CONF:4515-53).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CONF:4515-54).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4515-45) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.500.1" (CONF:4515-66).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2022-06-01" (CONF:4515-67).
4. **SHALL** contain exactly one [1..1] **code** (CONF:4515-27).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="85847-2" Patient Care team information (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4515-48).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" LOINC (CONF:4515-49).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4515-62).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [ActStatus](#) urn:oid:2.16.840.1.113883.1.11.15933 **STATIC** 2019-05-27 (CONF:4515-68).
6. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4515-33).
  - a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:4515-167).
  - b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:4515-168).

7. **SHALL** contain exactly one [1..1] **performer** (CONF:4515-160) such that it
  - a. **MAY** contain zero or one [0..1] **sdct:functionCode**, which **SHOULD** be selected from ValueSet Care Team Member Function  
 urn:oid:2.16.840.1.113762.1.4.1099.30 **DYNAMIC** (CONF:4515-161).  
 Note: This sdct:functionCode represents the function or role of the member on the care team. For example, the care team member roles on the care team can be a caregiver and a professional nurse or a primary care provider and the care coordinator.
  - b. **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:4515-175).
    - i. This assignedEntity **SHALL** contain at least one [1..\*] **id** (CONF:4515-176).
      1. Such ids **SHOULD** contain zero or one [0..1]  
 @root="2.16.840.1.113883.4.6" National Provider Identifier (CONF:4515-177).
      2. If the assignedEntity/id is not referencing a Performer elsewhere in the document with an assignedPerson populated, this assignedEntity **SHALL** contain exactly one [1..1] assignedPerson (CONF:4515-180).
    - ii. This assignedEntity **SHOULD** contain zero or more [0..\*] **addr** (CONF:4515-182).
    - iii. This assignedEntity **SHOULD** contain zero or more [0..\*] **telecom** (CONF:4515-183).
    - iv. This assignedEntity **SHOULD** contain zero or one [0..1] **assignedPerson** (CONF:4515-178).  
 Note: This assignedPerson must be present on at least one performer in this document for each unique assignedEntity/id.
      1. The assignedPerson, if present, **SHALL** contain exactly one [1..1] US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:4515-179).
    - v. This assignedEntity **MAY** contain zero or one [0..1] **representedOrganization** (CONF:4515-181).
      1. When a provider is working on behalf of an organization an addr & telecom **SHALL** be present in representedOrganization (CONF:4515-184).

This participant represents the location where the care team member provides the service

8. **MAY** contain zero or more [0..\*] **participant** (CONF:4515-171) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="LOC"** Location (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:4515-174).
  - b. **SHALL** contain exactly one [1..1] **participantRole** (CONF:4515-173).

This participant is used to express additional care team functions performed by this member of the team. Include additional participant to record additional roles (functionCode) this Care Team member plays.

9. **MAY** contain zero or more [0..\*] **participant** (CONF:4515-76) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="IND"** Indirect Target (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:4515-78).

- b. **SHALL** contain exactly one [1..1] **sdtc:functionCode**, which **SHALL** be selected from ValueSet Care Team Member Function urn:oid:2.16.840.1.113762.1.4.1099.30 **DYNAMIC** (CONF:4515-169).
  - c. This participantRole **SHALL** contain exactly one [1..1] @nullFlavor="NI" No Information. (CONF:4515-172).
10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:4515-86) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4515-87).
  - b. **SHALL** contain exactly one [1..1] **encounter** (CONF:4515-88).
    - i. This encounter **SHALL** contain exactly one [1..1] **id** (CONF:4515-89).
      - 1. If the id does not match an encounter/id from an encounter elsewhere within the same document and the id does not contain @nullFlavor=NA, then this entry **SHALL** conform to the Encounter Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2015-08-01) (CONF:4515-90).

This is the note activity to narratively describe information about the member on the care team.

11. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:4515-91) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4515-92).
  - b. **SHALL** contain exactly one [1..1] Note Activity (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01) (CONF:4515-93).

This is the schedule of when or how frequently the care team member participates (or provides care to the patient) on the care team.

12. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:4515-94) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4515-96).
  - b. **SHALL** contain exactly one [1..1] Care Team Member Schedule Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-06-01) (CONF:4515-95).

**Table 114: ActStatus**

Value Set: ActStatus urn:oid:2.16.840.1.113883.1.11.15933 (Clinical Focus: Contains the names (codes) for each of the states in the state-machine of the RIM Act class.),(Data Element Scope: status of an act),(Inclusion Criteria: All codes in the HL7 ActStatus code system),(Exclusion Criteria: none)  This value set was imported on 10/25/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15933/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15933/expansion</a>			
Code	Code System	Code System OID	Print Name
aborted	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	aborted
active	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	active
cancelled	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	cancelled
completed	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	completed
held	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	held
new	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	new
normal	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	normal
nullified	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	nullified
obsolete	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	obsolete
suspended	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	suspended

**Figure 50: Care Team Member Act Example**

```
<!--Care Team Organizer-->
<entry>
  <organizer classCode="CLUSTER" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.500" extension="2019-07-01"/>
    ...

    <!--NEW Care Team Organizer Entry Template ID and extension-->
    ...

    <!-- #1 Care Team Member Act - This component is a care team member who is a
provider -->
    <component>
      <act classCode="PCPR" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.500.1" extension="2019-07-
01"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.500.1" extension="2022-06-
01"/>

        <id root="1.5.5.5.5.5"/>
        <code code="85847-2" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Care Team Information"/>
        <!--Care Team Member Status -
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15933/expansion-->
        <statusCode code="active"/>
        <effectiveTime xsi:type="IVL_TS">
          <low value="201810081426-0500"/>
        </effectiveTime>
        <!--Attributes about the provider member - name-->
        <performer typeCode="PRF">
          <functionCode
physician"
            xmlns="urn:hl7-org:sdhc" code="PCP" displayName="primary care
            codeSystem="2.16.840.1.113883.5.88"
codeSystemName="ParticipationFunction">
              <originalText
                xmlns="urn:hl7-org:v3">
                  <reference value="#CT1_M01"></reference>
                </originalText>
              </functionCode>
            <!-- A care team member role -->
            <assignedEntity>
              <id root="B00B14E8-CDE4-48EA-8A09-01BC4945122A" extension="1"/>
              <id root="1.5.5.5.5.5"/>
              <assignedPerson>
                <name>
                  <given>John</given>
                  <given>D</given>
                  <family>Smith</family>,
                  <suffix>MD</suffix>
                </name>
              </assignedPerson>
            </assignedEntity>
          </performer>
        </act>
      </component>
    </organizer>
```

### 3.7 Care Team Member Schedule Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-06-01 (open)]

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**Table 115: Care Team Member Schedule Observation (V2) Contexts**

Contained By:	Contains:
<a href="#">Care Team Member Act (V2)</a> (optional)	

This template represents the schedule of when the care team member participates on the care team. Examples include:

- An oncologist who participated on the care team for one week.
- A primary care provider who participated on a care team during one summer (e.g. in the case of patients who are snow-birds).
- A crisis team who participated on the care team for the patient during an inpatient stay (e.g. in the case of children with special needs).



**Table 116: Care Team Member Schedule Observation (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-06-01)					
@classCode	1..1	SHALL		<a href="#">4515-33026</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">4515-33027</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">4515-33019</a>	
@root	1..1	SHALL		<a href="#">4515-33022</a>	2.16.840.1.113883.10.20.22.4.500.3
@extension	1..1	SHALL		<a href="#">4515-19</a>	2022-06-01
code	1..1	SHALL		<a href="#">4515-13</a>	
@code	1..1	SHALL		<a href="#">4515-33023</a>	57203-2
@codeSystem	1..1	SHALL		<a href="#">4515-33024</a>	2.16.840.1.113883.6.1
text	1..1	SHALL		<a href="#">4515-33020</a>	
reference	1..1	SHALL		<a href="#">4515-16</a>	
@value	1..1	SHALL		<a href="#">4515-33025</a>	
statusCode	1..1	SHALL		<a href="#">4515-33018</a>	
@code	1..1	SHALL		<a href="#">4515-33021</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	IVL_TS	<a href="#">4515-14</a>	
low	1..1	SHALL		<a href="#">4515-33030</a>	
high	0..1	SHOULD		<a href="#">4515-33029</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4515-33026).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4515-33027).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4515-33019) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.500.3" (CONF:4515-33022).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2022-06-01" (CONF:4515-19).
4. **SHALL** contain exactly one [1..1] **code** (CONF:4515-13).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="57203-2" Episode Timing [CMS Assessment] (CONF:4515-33023).

- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" LOINC (CONF:4515-33024).
- 5. **SHALL** contain exactly one [1..1] **text** (CONF:4515-33020).
  - a. This text **SHALL** contain exactly one [1..1] **reference** (CONF:4515-16).
    - i. This reference **SHALL** contain exactly one [1..1] **@value** (CONF:4515-33025).
- 6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4515-33018).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:4515-33021).

Observation/value Interval Time Stamp holds the time range the Care Team Member participated on the Care Team of the patient.

- 7. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="IVL\_TS" (CONF:4515-14).
  - a. This value **SHALL** contain exactly one [1..1] **low** (CONF:4515-33030).
  - b. This value **SHOULD** contain zero or one [0..1] **high** (CONF:4515-33029).

**Figure 51: Care Team Member Schedule Observation Example**

```
<!-- Care Team Member Schedule Observation (contained in Care Team Member Act) -->
<entry>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.500.3" extension="2016-06-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.500.3" extension="2022-06-01"/>
    <code code="57203-2" displayName="Episode Timing [CMS Assessment]"
      codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
    <text>
      <reference value="#CareTeam_CT"/>
    </text>
    <statusCode code="completed"/>
    <value xsi:type="IVL_TS">
      <low value="20210401"/>
      <high value="20210412"/>
    </value>
  </observation>
</entry>
```

### 3.8 Care Team Organizer (V2)

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.500:2022-06-01  
(open) ]

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**Table 117: Care Team Organizer (V2) Contexts**

Contained By:	Contains:
<a href="#">Care Teams Section (V2)</a> (optional)	<a href="#">Author Participation</a> (optional) <a href="#">Note Activity</a> (optional) <a href="#">Care Team Type Observation</a> (optional) <a href="#">Care Team Member Act (V2)</a> (required)

This organizer template contains information about a single care team.  
The author of the organizer is the person who documented the care team information.  
The participants of the organizer are the care team lead(s) and the care team organization.  
The components of the organizer contain the following information:

- The encounter that caused the care team to be formed
- Narrative information about the care team
- The care team members
- Reasons for the care team
- The care team type(s) - a care team can have multiple care team types

**Table 118: Care Team Organizer (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500:2022-06-01)					
@classCode	1..1	SHALL		<a href="#">4515-124</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER
@moodCode	1..1	SHALL		<a href="#">4515-125</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">4515-112</a>	
@root	1..1	SHALL		<a href="#">4515-117</a>	2.16.840.1.113883.10.20.22.4.500
@extension	1..1	SHALL		<a href="#">4515-118</a>	2022-06-01
id	1..*	SHALL		<a href="#">4515-126</a>	
code	1..1	SHALL		<a href="#">4515-114</a>	
@code	1..1	SHALL		<a href="#">4515-120</a>	86744-0
@codeSystem	1..1	SHALL		<a href="#">4515-121</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
originalText	0..1	SHOULD		<a href="#">4515-154</a>	
reference	1..1	SHALL		<a href="#">4515-155</a>	
@value	1..1	SHALL		<a href="#">4515-156</a>	
statusCode	1..1	SHALL		<a href="#">4515-113</a>	
@code	1..1	SHALL		<a href="#">4515-119</a>	urn:oid:2.16.840.1.113883.1.11.15933 (ActStatus)
effectiveTime	1..1	SHALL		<a href="#">4515-127</a>	
low	1..1	SHALL		<a href="#">4515-157</a>	
high	0..1	MAY		<a href="#">4515-158</a>	
author	0..*	SHOULD		<a href="#">4515-116</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	0..*	SHOULD		<a href="#">4515-128</a>	
@typeCode	1..1	SHALL		<a href="#">4515-129</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = PPRF
sdtc:functionCode	0..1	MAY		<a href="#">4515-130</a>	urn:oid:2.16.840.1.113762.1.4.1099.30 (Care Team Member Function)
participantRole	1..1	SHALL		<a href="#">4515-131</a>	
id	1..*	SHALL		<a href="#">4515-132</a>	
participant	0..*	MAY		<a href="#">4515-134</a>	
@typeCode	1..1	SHALL		<a href="#">4515-137</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = LOC
participantRole	1..1	SHALL		<a href="#">4515-135</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
id	1..*	SHALL		<a href="#">4515-138</a>	
addr	0..1	SHOULD		<a href="#">4515-139</a>	
telecom	0..*	SHOULD		<a href="#">4515-140</a>	
playingEntity	1..1	SHALL		<a href="#">4515-136</a>	
@classCode	1..1	SHALL		<a href="#">4515-141</a>	urn:oid:2.16.840.1.113883.5.41 (HL7EntityClass) = PLC
name	1..1	SHALL		<a href="#">4515-142</a>	
component	0..*	MAY		<a href="#">4515-110</a>	
observation	1..1	SHALL		<a href="#">4515-163</a>	<a href="#">Care Team Type Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01)</a>
component	0..*	MAY		<a href="#">4515-146</a>	
act	1..1	SHALL		<a href="#">4515-147</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)
component	0..*	MAY		<a href="#">4515-148</a>	
encounter	1..1	SHALL		<a href="#">4515-164</a>	
id	1..*	SHALL		<a href="#">4515-165</a>	
component	0..1	MAY		<a href="#">4515-150</a>	
act	1..1	SHALL		<a href="#">4515-151</a>	<a href="#">Note Activity (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01)</a>
component	1..*	SHALL		<a href="#">4515-152</a>	
act	1..1	SHALL		<a href="#">4515-166</a>	<a href="#">Care Team Member Act (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01)</a>

1. **SHALL** contain exactly one [1..1] @classCode="CLUSTER" CLUSTER (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4515-124).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4515-125).
3. **SHALL** contain exactly one [1..1] templateId (CONF:4515-112) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.500" (CONF:4515-117).
  - b. **SHALL** contain exactly one [1..1] @extension="2022-06-01" (CONF:4515-118).
4. **SHALL** contain at least one [1..\*] id (CONF:4515-126).
5. **SHALL** contain exactly one [1..1] code (CONF:4515-114).
  - a. This code **SHALL** contain exactly one [1..1] @code="86744-0" Care Team (CONF:4515-120).

- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" LOINC (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4515-121).
- c. This code **SHOULD** contain zero or one [0..1] **originalText** (CONF:4515-154) such that it
  - i. **SHALL** contain exactly one [1..1] **reference** (CONF:4515-155).

The value attribute references the narrative in section.text where the care team name is rendered. The intention of this reference is to clarify which care team this Organizer refers to.

- 1. This reference **SHALL** contain exactly one [1..1] **@value** (CONF:4515-156).
- 6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4515-113).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet ActStatus urn:oid:2.16.840.1.113883.1.11.15933 **STATIC** (CONF:4515-119).  
Note: When statusCode has a value set, its value MAY be rendered in the narrative.
- 7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4515-127).
  - a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:4515-157).
  - b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:4515-158).
- 8. **SHOULD** contain zero or more [0..\*] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:4515-116).

This Participant represents the Care Team lead.

- 9. **SHOULD** contain zero or more [0..\*] **participant** (CONF:4515-128) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="PPRF" Primary Performer (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:4515-129).
  - b. **MAY** contain zero or one [0..1] **sdtc:functionCode**, which **SHOULD** be selected from ValueSet Care Team Member Function urn:oid:2.16.840.1.113762.1.4.1099.30 **DYNAMIC** (CONF:4515-130).  
Note: Describes the person's, caregiver's or health care provider's functional role on the care team.
  - c. **SHALL** contain exactly one [1..1] **participantRole** (CONF:4515-131).
    - i. This participantRole **SHALL** contain at least one [1..\*] **id** (CONF:4515-132).
      - 1. This id **SHALL** match a performer/assignedEntity/id of at least one Care Team Member described in component/act (CONF:4515-133).
- 10. **MAY** contain zero or more [0..\*] **participant** (CONF:4515-134) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="LOC" Location (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:4515-137).
  - b. **SHALL** contain exactly one [1..1] **participantRole** (CONF:4515-135).
    - i. This participantRole **SHALL** contain at least one [1..\*] **id** (CONF:4515-138).
    - ii. This participantRole **SHOULD** contain zero or one [0..1] **addr** (CONF:4515-139).
    - iii. This participantRole **SHOULD** contain zero or more [0..\*] **telecom** (CONF:4515-140).

- iv. This participantRole **SHALL** contain exactly one [1..1] **playingEntity** (CONF:4515-136).
    - 1. This playingEntity **SHALL** contain exactly one [1..1] **@classCode="PLC" Place** (CodeSystem: HL7EntityClass urn:oid:2.16.840.1.113883.5.41) (CONF:4515-141).
    - 2. This playingEntity **SHALL** contain exactly one [1..1] **name** (CONF:4515-142).
  - 11. **MAY** contain zero or more [0..\*] **component** (CONF:4515-110) such that it
    - a. **SHALL** contain exactly one [1..1] **Care Team Type Observation** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01) (CONF:4515-163).
- The following components represent the reasons for the existence of the care team. These entry references are typically a health concern, risk concern or problem but can also be some other entry present in the document.
- 12. **MAY** contain zero or more [0..\*] **component** (CONF:4515-146) such that it
    - a. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:4515-147).
  - 13. **MAY** contain zero or more [0..\*] **component** (CONF:4515-148) such that it
    - a. **SHALL** contain exactly one [1..1] **encounter** (CONF:4515-164).
      - i. This encounter **SHALL** contain at least one [1..\*] **id** (CONF:4515-165).  
 Note: 1. If the id does not match an encounter/id from an encounter elsewhere within the same document and the id does not contain @nullFlavor=NA, then this entry SHALL conform to the Encounter Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2015-08-01) (CONF:4435-145).
  - 14. **MAY** contain zero or one [0..1] **component** (CONF:4515-150) such that it
    - a. **SHALL** contain exactly one [1..1] **Note Activity** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01) (CONF:4515-151).
  - 15. **SHALL** contain at least one [1..\*] **component** (CONF:4515-152) such that it
    - a. **SHALL** contain exactly one [1..1] **Care Team Member Act (V2)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01) (CONF:4515-166).

**Figure 52: Care Team Organizer Example**

```

<!--Care Team Organizer-->
<entry>
  <organizer classCode="CLUSTER" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.500"
      extension="2019-07-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.500"
      extension="2022-06-01"/>
    <!--NEW Care Team Organizer Entry Template ID and extension-->
    <id root="1.1.1.1.1.1"/>
    <code code="86744-0" codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC" displayName="Care Team">
      <originalText>
        <reference value="#CareTeamName1"/>
      </originalText>
    </code>
    <!--Care Team Status -
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15933/expansion-->
    <statusCode code="active"/>
    <effectiveTime>
      <low value="201810081426-0500"/>
    </effectiveTime>
    <!-- This participant is the Care Team Lead (1..1)-->
    <!-- Care Team Lead is one of the contained care team members in the list of care
team members-->
    <participant typeCode="PPRF">
      <participantRole>
        <!--<This id matches at least one of the member's id in the Care Team
Member act template-->
        <id root="1.5.5.5.5.5.5"/>
      </participantRole>
    </participant>
    <!-- #1 Care Team Member Act - This component is a care team member who is a
provider -->
    <component>
      <act classCode="PCPR" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.500.1"
          extension="2019-07-01"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.500.1"
          extension="2022-06-01"/>
        <id root="1.5.5.5.5.5.5"/>
        <code code="85847-2" codeSystem="2.16.840.1.113883.6.1"
          codeSystemName="LOINC" displayName="Care Team Information"/>
        <!--Care Team Member Status -
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15933/expansion-->
        <statusCode code="active"/>
        <effectiveTime xsi:type="IVL_TS">
          <low value="201810081426-0500"/>
        </effectiveTime>
        <!--Attributes about the provider member - name-->
        <performer typeCode="PRF">
          <functionCode
            xmlns="urn:hl7-org:sdhc" code="PCP"
            displayName="primary care physician"
            codeSystem="2.16.840.1.113883.5.88"
            codeSystemName="ParticipationFunction">

```



```

        <originalText
          xmlns="urn:hl7-org:v3">
            <reference value="#CT1_M01"/>
          </originalText>
        </functionCode>
        <!-- A care team member role -->
        <assignedEntity>
          <id root="B00B14E8-CDE4-48EA-8A09-01BC4945122A"
extension="1"/>
          <id root="1.5.5.5.5.5"/>
          <assignedPerson>
            <name>
              <given>John</given>
              <given>D</given>
              <family>Smith</family>,
              <suffix>MD</suffix>
            </name>
          </assignedPerson>
        </assignedEntity>
      </performer>
    </act>
  </component>
</organizer>
</entry>

```

### 3.9 Care Team Type Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01 (open)]

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**Table 119: Care Team Type Observation Contexts**

Contained By:	Contains:
<a href="#">Care Team Organizer (V2)</a> (optional)	

This template is used to express the care team type. A care team can have multiple care team types. Examples include but are not limited to:

- Condition focused, longitudinal care team
- Event focused, Home & Community Based Services care team
- Condition focused, clinical research care team
- Public health focused, Longitudinal care-coordination care team

**Table 120: Care Team Type Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01)					
@classCode	1..1	SHALL		<a href="#">4435-101</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">4435-102</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">4435-99</a>	
@root	1..1	SHALL		<a href="#">4435-106</a>	2.16.840.1.113883.10.20.22.4.500.2
@extension	1..1	SHALL		<a href="#">4435-108</a>	2019-07-01
code	1..1	SHALL		<a href="#">4435-97</a>	
@code	1..1	SHALL		<a href="#">4435-103</a>	86744-0
@codeSystem	1..1	SHALL		<a href="#">4435-104</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">4435-100</a>	
@code	1..1	SHALL		<a href="#">4435-107</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	CD	<a href="#">4435-98</a>	
@code	1..1	SHALL		<a href="#">4435-109</a>	urn:oid:2.16.840.1.113883.4.642.3.155 (Care Team Category)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4435-101).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4435-102).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4435-99) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.500.2" (CONF:4435-106).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2019-07-01" (CONF:4435-108).
4. **SHALL** contain exactly one [1..1] **code** (CONF:4435-97).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="86744-0" Care Team (CONF:4435-103).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" LOINC (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4435-104).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4435-100).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:4435-107).
6. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD" (CONF:4435-98) such that it

- a. **SHALL** contain exactly one [1..1] @code, which **SHALL** be selected from ValueSet Care Team Category urn:oid:2.16.840.1.113883.4.642.3.155 **DYNAMIC** (CONF:4435-109).

**Table 121: Care Team Category**

Value Set: Care Team Category urn:oid:2.16.840.1.113883.4.642.3.155 (Clinical Focus: Indicates the type of care team.),(Data Element Scope: Each care team can have multiple care team type categories assigned to describe it.),(Inclusion Criteria: Specific concepts determined to be terms used to classify a care team, for example: Event-focused, Longitudinal care coordination focused, Condition focused, Public health focused. This is the LOINC List LL4590-7 that is connected to LOINC 86744-0 Care Team),(Exclusion Criteria: )  This value set was imported on 10/17/2019 with a version of 20191015. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.4.642.3.155/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.4.642.3.155/expansion</a>			
Code	Code System	Code System OID	Print Name
LA27975-4	LOINC	urn:oid:2.16.840.1.113883.6.1	Event-focused care team
LA27976-2	LOINC	urn:oid:2.16.840.1.113883.6.1	Encounter-focused care team
LA27977-0	LOINC	urn:oid:2.16.840.1.113883.6.1	Episode of care-focused care team
LA27978-8	LOINC	urn:oid:2.16.840.1.113883.6.1	Condition-focused care team
LA27980-4	LOINC	urn:oid:2.16.840.1.113883.6.1	Clinical research-focused care team
LA28865-6	LOINC	urn:oid:2.16.840.1.113883.6.1	Longitudinal care-coordination focused care team
LA28866-4	LOINC	urn:oid:2.16.840.1.113883.6.1	Home & Community Based Services (HCBS)-focused care team
LA28867-2	LOINC	urn:oid:2.16.840.1.113883.6.1	Public health-focused care team

**Figure 53: Care Team Type Observation Example**

<pre> &lt;observation classCode="OBS" moodCode="EVN"&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.500.2" extention="2019-07-01"/&gt;   &lt;!--Care Team Type--&gt;   &lt;code code="86744-0"     codeSystem="2.16.840.1.113883.6.1"     displayName="Care team" /&gt;   &lt;statusCode code="completed" /&gt;   &lt;value xsi:type="CD" code="LA28865-6"     codeSystem="2.16.840.1.113883.6.1"     displayName="Longitudinal care-coordination focused care team"/&gt; &lt;/observation&gt; </pre>
--

### 3.10 Characteristics of Home Environment

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.109 (open)]

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**Table 122: Characteristics of Home Environment Contexts**

Contained By:	Contains:
<a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Social History Section (NHCS V4)</a> (optional)	

This template represents the patient's home environment including, but not limited to, type of residence (trailer, single family home, assisted living), living arrangement (e.g., alone, with parents), and housing status (e.g., evicted, homeless, home owner).

**Table 123: Characteristics of Home Environment Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.109)					
@classCode	1..1	SHALL		<a href="#">1098-27890</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-27891</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-27892</a>	
@root	1..1	SHALL		<a href="#">1098-27893</a>	2.16.840.1.113883.10.20.22.4.109
id	1..*	SHALL		<a href="#">1098-27894</a>	
code	1..1	SHALL		<a href="#">1098-31352</a>	
@code	1..1	SHALL		<a href="#">1098-31353</a>	75274-1
@codeSystem	1..1	SHALL		<a href="#">1098-31354</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">1098-27901</a>	
@code	1..1	SHALL		<a href="#">1098-27902</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	CD	<a href="#">1098-28823</a>	urn:oid:2.16.840.1.113883.11.20.9.49 (Residence and Accommodation Type)

1. **SHALL** contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-27890).

2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-27891).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-27892) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.109" (CONF:1098-27893).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-27894).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-31352).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="75274-1" Characteristics of residence (CONF:1098-31353).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-31354).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-27901).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-27902).
7. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD", where the code **SHOULD** be selected from ValueSet [Residence and Accommodation Type](#) urn:oid:2.16.840.1.113883.11.20.9.49 **DYNAMIC** (CONF:1098-28823).

**Table 124: Residence and Accommodation Type**

Value Set: Residence and Accommodation Type urn:oid:2.16.840.1.113883.11.20.9.49 (Clinical Focus: A value set of SNOMED-CT codes descending from "365508006" "Residence and accommodation circumstances - finding" reflecting type of residence, status of accommodations, living situation and environment.), (Data Element Scope: element that is used to describe housing situation), (Inclusion Criteria: All descendants of 365508006), (Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.49/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.49/expansion</a>			
Code	Code System	Code System OID	Print Name
105526001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Homeless family (finding)
105527005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Living in residence with poor sanitation (finding)
105529008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Lives alone (finding)
105530003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Living in residential institution (finding)
105531004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Housing unsatisfactory (finding)
105532006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Overcrowded in house (finding)
105535008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Lack of heat in house (finding)
105536009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Living in housing without electricity (finding)
105537000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Living in housing with technical defects (finding)
106972100000103	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Difficulty accessing own home (finding)
...			

**Figure 54: Characteristics of Home Environment Example**

<pre> &lt;observation classCode="OBS" moodCode="EVN"&gt;   &lt;!-- ** Characteristics of Home Environment** --&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.109" /&gt;   &lt;id root="37f76c51-6411-4e1d-8a37-957fd49d2ceg" /&gt;   &lt;code code="75274-1" codeSystem="2.16.840.1.113883.6.1"     displayName="Characteristics of residence" /&gt;   &lt;statusCode code="completed" /&gt;   &lt;effectiveTime value="20130312" /&gt;   &lt;value xsi:type="CD" code="308899009" displayName="unsatisfactory living conditions (finding)" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" /&gt; &lt;/observation&gt; </pre>
--

### 3.11 Coverage Activity (V4)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.60:2023-05-01 (open)]

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**Table 125: Coverage Activity (V4) Contexts**

Contained By:	Contains:
<a href="#">Payers Section (NHCS V4)</a> (optional)	<a href="#">Policy Activity (V3)</a> (required)

A Coverage Activity groups the policy and authorization acts within a Payers Section to order the payment sources. A Coverage Activity contains one or more Policy Activities, each of which contains zero or more Authorization Activities.

The sequenceNumber/@value shows the policy order of preference.

The Member Identifier is described in the contained Policy Activity Template

2.16.840.1.113883.10.20.22.4.61.

**Table 126: Coverage Activity (V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.60:2023-05-01)					
@classCode	1..1	SHALL		<a href="#">4537-8872</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">4537-8873</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">4537-8897</a>	
@root	1..1	SHALL		<a href="#">4537-10492</a>	2.16.840.1.113883.10.20.22.4.60
@extension	1..1	SHALL		<a href="#">4537-32596</a>	2023-05-01
id	1..*	SHALL		<a href="#">4537-8874</a>	
code	1..1	SHALL		<a href="#">4537-8876</a>	
@code	1..1	SHALL		<a href="#">4537-19160</a>	48768-6
@codeSystem	1..1	SHALL		<a href="#">4537-32156</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">4537-8875</a>	
@code	1..1	SHALL		<a href="#">4537-19094</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	0..1	SHOULD		<a href="#">4537-33064</a>	
@value	1..1	SHALL		<a href="#">4537-33065</a>	
entryRelationship	1..*	SHALL		<a href="#">4537-8878</a>	
@typeCode	1..1	SHALL		<a href="#">4537-8879</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
sequenceNumber	0..1	MAY		<a href="#">4537-17174</a>	
@value	1..1	SHALL		<a href="#">4537-17175</a>	
act	1..1	SHALL		<a href="#">4537-15528</a>	<a href="#">Policy Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.61:2015-08-01</a>

1. **SHALL** contain exactly one [1..1] @classCode="ACT" Act (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4537-8872).



2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4537-8873).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4537-8897) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.60" (CONF:4537-10492).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2023-05-01" (CONF:4537-32596).
4. **SHALL** contain at least one [1..\*] **id** (CONF:4537-8874).
5. **SHALL** contain exactly one [1..1] **code** (CONF:4537-8876).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="48768-6" Payment sources (CONF:4537-19160).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4537-32156).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4537-8875).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:4537-19094).
7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:4537-33064).

Records the point in time when the coverage was checked for a patient, and applies for all policies within the coverage activity.

- a. The effectiveTime, if present, **SHALL** contain exactly one [1..1] **@value** (CONF:4537-33065).
8. **SHALL** contain at least one [1..\*] **entryRelationship** (CONF:4537-8878) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="COMP" has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:4537-8879).
  - b. **MAY** contain zero or one [0..1] **sequenceNumber** (CONF:4537-17174).
    - i. The sequenceNumber, if present, **SHALL** contain exactly one [1..1] **@value** (CONF:4537-17175).
  - c. **SHALL** contain exactly one [1..1] Policy Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.61:2015-08-01) (CONF:4537-15528).

**Figure 55: Coverage Activity (V4) Example**

```
<act classCode="ACT" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.60" extension="2015-08-01" />
  <id root="1fe2cdd0-7aad-11db-9fe1-0800200c9a66" />
  <code code="48768-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Payment sources" />
  <statusCode code="completed" />
  <effectiveTime value="20230501"/>
  <entryRelationship typeCode="COMP">
    <act classCode="ACT" moodCode="EVN">
      <sequenceNumber value="2" />
      <templateId root="2.16.840.1.113883.10.20.22.4.61" extension="2015-08-01" />
      . . .
    </act>
  </entryRelationship>
</act>
```

### 3.12 Criticality Observation

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.145 (open)]

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**Table 127: Criticality Observation Contexts**

Contained By:	Contains:
<a href="#">Substance or Device Allergy - Intolerance Observation (NHCS V3)</a> (optional) <a href="#">Allergy - Intolerance Observation (NHCS V3)</a> (optional)	

This observation represents the gravity of the potential risk for future life-threatening adverse reactions when exposed to a substance known to cause an adverse reaction in that individual. When the worst case result is assessed to have a life-threatening or organ system threatening potential, it is considered to be of high criticality.

**Table 128: Criticality Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.145)					
@classCode	1..1	SHALL		<a href="#">81-32921</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">81-32922</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">81-32918</a>	
@root	1..1	SHALL		<a href="#">81-32923</a>	2.16.840.1.113883.10.20.22.4.145
code	1..1	SHALL		<a href="#">81-32919</a>	
@code	1..1	SHALL		<a href="#">81-32925</a>	82606-5
@codeSystem	1..1	SHALL		<a href="#">81-32926</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">81-32920</a>	
@code	1..1	SHALL		<a href="#">81-32927</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	CD	<a href="#">81-32928</a>	urn:oid:2.16.840.1.113883.1.11.20549 (Criticality Observation)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-32921).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-32922).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-32918) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.145" (CONF:81-32923).
4. **SHALL** contain exactly one [1..1] **code** (CONF:81-32919).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="82606-5" Criticality (CONF:81-32925).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:81-32926).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:81-32920).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:81-32927).
6. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD", where the code **SHALL** be selected from ValueSet [Criticality Observation](#) urn:oid:2.16.840.1.113883.1.11.20549 **DYNAMIC** (CONF:81-32928).

**Table 129: Criticality Observation**

Value Set: Criticality Observation urn:oid:2.16.840.1.113883.1.11.20549 (Clinical Focus: A clinical judgment as to the worst case result of a future exposure (including substance administration).),(Data Element Scope: observation),(Inclusion Criteria: All descendant codes from _CriticalityObservationValue in code system ObservationValue),(Exclusion Criteria: none)  This value set was imported on 6/24/2019 with a version of 20190425. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20549/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20549/expansion</a>			
Code	Code System	Code System OID	Print Name
CRITH	HL7ObservationValue	urn:oid:2.16.840.1.113883.5.10.63	high criticality
CRITL	HL7ObservationValue	urn:oid:2.16.840.1.113883.5.10.63	low criticality
CRITU	HL7ObservationValue	urn:oid:2.16.840.1.113883.5.10.63	unable to assess criticality

**Figure 56: Criticality Observation Example**

<pre> &lt;observation classCode="OBS" moodCode="EVN"&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.145"/&gt;   &lt;code code="82606-5" codeSystem="2.16.840.1.113883.6.1"     displayName="Criticality" /&gt;   &lt;text&gt;     &lt;reference value="#criticality"/&gt;   &lt;/text&gt;   &lt;statusCode code="completed"/&gt;   &lt;value xsi:type="CD" code="CRITH" displayName="high criticality" codeSystem="2.16.840.1.113883.5.10.63"     codeSystemName="HL7ObservationValue"/&gt; &lt;/observation&gt; </pre>
--

### 3.13 Date of Diagnosis Act

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01  
(open)]

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**Table 130: Date of Diagnosis Act Contexts**

Contained By:	Contains:
<a href="#">Problem Observation (NHCS V5)</a> (optional)	

This template represents the earliest date of diagnosis, which is the date of first determination by a qualified professional of the presence of a problem or condition affecting a patient. An encounter diagnosis date may be different than this Date of Diagnosis.

The date of diagnosis is usually not the same date as the date of condition onset. A patient may have a condition for some time before it is formally diagnosed.

**Table 131: Date of Diagnosis Act Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01)					
@classCode	1..1	SHALL		<a href="#">4515-33010</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = ACT
@moodCode	1..1	SHALL		<a href="#">4515-33011</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">4515-33000</a>	
@root	1..1	SHALL		<a href="#">4515-33002</a>	2.16.840.1.113883.10.20.22.4.502
@extension	1..1	SHALL		<a href="#">4515-33003</a>	2022-06-01
code	1..1	SHALL		<a href="#">4515-33001</a>	
@code	0..1	SHALL		<a href="#">4515-33004</a>	77975-1
@codeSystem	1..1	SHALL		<a href="#">4515-33005</a>	2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">4515-33006</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">4515-33007</a>	
@value	1..1	SHALL		<a href="#">4515-33008</a>	
low	0..0	SHALL NOT		<a href="#">4515-33016</a>	
high	0..0	SHALL NOT		<a href="#">4515-33017</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="ACT" Act (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:4515-33010).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4515-33011).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4515-33000) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.502" (CONF:4515-33002).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2022-06-01" (CONF:4515-33003).
4. **SHALL** contain exactly one [1..1] **code** (CONF:4515-33001).
  - a. This code **SHALL** contain zero or one [0..1] **@code**="77975-1" Earliest date of diagnosis (CONF:4515-33004).

- b. This code **SHALL** contain exactly one [1..1] `@codeSystem="2.16.840.1.113883.6.1" LOINC (CONF:4515-33005)`.
5. **SHALL** contain exactly one [1..1] `statusCode="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4515-33006)`.
6. **SHALL** contain exactly one [1..1] `effectiveTime (CONF:4515-33007)`.
  - a. This effectiveTime **SHALL** contain exactly one [1..1] `@value (CONF:4515-33008)`.
    - i. **SHALL** be precise to at least the year (CONF:4515-33009).
  - b. This effectiveTime **SHALL NOT** contain [0..0] `low (CONF:4515-33016)`.
  - c. This effectiveTime **SHALL NOT** contain [0..0] `high (CONF:4515-33017)`.

**Figure 57: Date of Diagnosis Act Example**

```
<!-- INSIDE PROBLEM OBSERVATION -->
<entryRelationship typeCode="COMP">
  <act classCode="ACT" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.502" extension="2022-06-01"/>
    <code code="77975-1" codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC"
      displayName="Earliest date of diagnosis"/>
    <text>
      <reference value="#ProblemObs_1_PS1"/>
    </text>
    <statusCode code="completed"/>
    <!-- SHALL to the year (MAY be more specific) -->
    <effectiveTime value="200802"/>
  </act>
</entryRelationship>
```

### 3.14 Disability Status Observation (NHCS V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2025-08-01 (open)]

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**Table 132: Disability Status Observation (NHCS V2) Contexts**

Contained By:	Contains:
<a href="#">NHCS Social History Section [V3]</a> (optional)	<a href="#">Assessment Scale Observation [NHCS V3]</a> (optional)

The C-CDA template, Disability Status Observation, has been versioned in this guide to support USCDI-v3.

This template represents an assessment of patients' perception of their physical, cognitive, intellectual, or psychiatric disabilities. It may contain an Assessment Scale Observation that holds the six-item set of questions used on the American Community Survey (ACS) to gauge disability, defined here: [HHS Implementation Guidance on Data Collection Standards for Race, Ethnicity, Sex, Primary Language, and Disability Status](#)

This template SHOULD be included zero or more times [0..\*] in the Functional Status Section V2 or the Functional Status Organizer (V2).

**Table 133: Disability Status Observation (NHCS V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-32620</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-32621</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-32619</a>	
@root	1..1	SHALL		<a href="#">5564-32622</a>	2.16.840.1.113883.10.20.22.4.505
@extension	1..1	SHALL		<a href="#">5564-32623</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-32624</a>	
@code	1..1	SHALL		<a href="#">5564-33361</a>	89571-4
@codeSystem	1..1	SHALL		<a href="#">5564-33362</a>	2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">5564-32625</a>	
@code	1..1	SHALL		<a href="#">5564-32626</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">5564-32627</a>	
value	1..1	SHALL		<a href="#">5564-32628</a>	urn:oid:1.3.6.1.4.1.12009.10.1.3932 (CUBS_Disability)
entryRelationship	0..*	MAY		<a href="#">5564-32629</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32631</a>	COMP
observation	1..1	SHALL		<a href="#">5564-32630</a>	<a href="#">Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-32620).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-32621).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-32619) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.505" (CONF:5564-32622).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32623).
4. **SHALL** contain exactly one [1..1] **code** (CONF:5564-32624).

- a. This code **SHALL** contain exactly one [1..1] @code="89571-4" Disability Status [CUBS] (CONF:5564-33361).
  - b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CONF:5564-33362).
5. **SHALL** contain exactly one [1..1] statusCode (CONF:5564-32625).
  - a. This statusCode **SHALL** contain exactly one [1..1] @code="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:5564-32626).
6. **SHALL** contain exactly one [1..1] effectiveTime (CONF:5564-32627).
7. **SHALL** contain exactly one [1..1] value, which **MAY** be selected from ValueSet CUBS Disability urn:oid:1.3.6.1.4.1.12009.10.1.3932 **DYNAMIC** (CONF:5564-32628).
8. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-32629) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="COMP" has component (CONF:5564-32631).
  - b. **SHALL** contain exactly one [1..1] Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01) (CONF:5564-32630).
    - i. A system **MAY** record the six-item set of questions and their answers options from the American Community Survey (ACS) in the Assessment Scale Observation using the Disability Status Assessment value set (CONF:5564-33363).



**Table 134: CUBS\_Disability**

Value Set: CUBS_Disability urn:oid:1.3.6.1.4.1.12009.10.1.3932 This set of values is the LOINC Answer List for the LOINC Code "Comprehensive Universal Behavior Health Screen (CUBS)© "89571-4 Disability status [CUBS] Value Set Source: <a href="https://loinc.org/LL5052-7/">https://loinc.org/LL5052-7/</a>			
Code	Code System	Code System OID	Print Name
LA29240-1	LOINC	urn:oid:2.16.840.1.113883.6.1	I'm Thriving - no identified disability
LA29241-9	LOINC	urn:oid:2.16.840.1.113883.6.1	I'm Building Capacity - I have an asymptomatic condition controlled by services or medication
LA29242-7	LOINC	urn:oid:2.16.840.1.113883.6.1	I'm Safe - I rarely have acute or chronic symptoms affecting housing, employment, social interactions, etc
LA29243-5	LOINC	urn:oid:2.16.840.1.113883.6.1	I'm Vulnerable - I sometimes or periodically have acute or chronic symptoms affecting housing, employment, social interactions, etc.
LA29244-3	LOINC	urn:oid:2.16.840.1.113883.6.1	I'm in Crisis - acute or chronic symptoms affecting housing, employment, social interactions, etc.

**Figure 58: Disability Status Observation (NHCS V2) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA 2.1] Disability Status Observation (NHCS V2) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.505" extension="2025-08-01"/>
  <code code="89571-4" displayName="Disability Status [CUBS]"
codeSystem="2.16.840.1.113883.6.1"/>
  <statusCode code="completed"/>
  <effectiveTime value="20221111"/>
  <!-- From LOINC Answer Set associated with Disability Status [CUBS] -->
  <value xsi:type="CD" code="LA29243-5" displayName="I'm Vulnerable - I sometimes or
periodically have acute or chronic symptoms affecting housing, employment, social
interactions, etc." codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
  <!-- May contain an Assessment Scale template With Assessment Scale observation
containing the disability related questions -->
  <entryRelationship typeCode="COMP">
    <!-- [C-CDA R2.1] Assessment Scale Supporting Observation (V2) -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.86" extension="2022-06-01"/>
      ...
    </observation>
  </entryRelationship>
</observation>
```

### 3.15 Discharge Medication (NHCS V4)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01 (open)]

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**Table 135: Discharge Medication (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Discharge Medications Section (entries required)</a> (NHCS V4) (required)	<a href="#">Medication Activity (NHCS V3)</a> (required)
<a href="#">Discharge Medications Section (entries optional)</a> (NHCS V4) (optional)	

The C-CDA template, Discharge Medication (V3), has been versioned in this guide to support USCDI-v3.

This template represents medications that the patient is intended to take (or stop) after discharge.

**Table 136: Discharge Medication (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-33150</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">5564-33151</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-33136</a>	
@root	1..1	SHALL		<a href="#">5564-33142</a>	2.16.840.1.113883.10.20.22.4.35
@extension	1..1	SHALL		<a href="#">5564-33143</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-33137</a>	
@code	1..1	SHALL		<a href="#">5564-33144</a>	10183-2
@codeSystem	1..1	SHALL		<a href="#">5564-33145</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
translation	1..1	SHALL		<a href="#">5564-33138</a>	
@code	1..1	SHALL		<a href="#">5564-33146</a>	75311-1
@codeSystem	1..1	SHALL		<a href="#">5564-33147</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">5564-33141</a>	
@code	1..1	SHALL		<a href="#">5564-33149</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
entryRelationship	1..*	SHALL		<a href="#">5564-33139</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33148</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
substanceAdministration	1..1	SHALL		<a href="#">5564-33140</a>	<a href="#">Medication Activity (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-33150).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-33151).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33136) such that it

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.35" (CONF:5564-33142).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33143).
- 4. **SHALL** contain exactly one [1..1] **code** (CONF:5564-33137).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="10183-2" Hospital discharge medication (CONF:5564-33144).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33145).
  - c. This code **SHALL** contain exactly one [1..1] **translation** (CONF:5564-33138).
    - i. This translation **SHALL** contain exactly one [1..1] **@code**="75311-1" Discharge Medication (CONF:5564-33146).
    - ii. This translation **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33147).
- 5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-33141).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:5564-33149).
- 6. **SHALL** contain at least one [1..\*] **entryRelationship** (CONF:5564-33139) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33148).
  - b. **SHALL** contain exactly one [1..1] Medication Activity (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01) (CONF:5564-33140).

**Figure 59: Discharge Medication (NHCS V4) Example**

```
<act classCode="ACT" moodCode="EVN">
  <!-- [Updated C-CDA] Discharge Medication (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.35" extension="2025-08-01"/>
  <code code="10183-2" displayName="Hospital discharge medication"
    codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC">
    <translation code="75311-1" displayName="Discharge medication"
      codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
  </code>
  <statusCode code="completed"/>
  <entryRelationship typeCode="SUBJ">
    <substanceAdministration classCode="SBADM" moodCode="EVN">
      <!-- [Updated C-CDA R2] Medication Activity (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.16" extension="2025-08-01"/>
      ...
      <consumable>
        <manufacturedProduct classCode="MANU">
          <!-- [C-CDA R2] Medication Information (V2) -->
          <templateId root="2.16.840.1.113883.10.20.22.4.23" extension="2014-06-
09"/>
          ...
        </manufacturedProduct>
      </consumable>
    </substanceAdministration>
  </entryRelationship>
</act>
```

### 3.16 Drug Vehicle

[participantRole: identifier urn:oid:2.16.840.1.113883.10.20.22.4.24 (open)]

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**Table 137: Drug Vehicle Contexts**

Contained By:	Contains:
<a href="#">Medication Activity (NHCS V3)</a> (optional)	
<a href="#">Immunization Activity (NHCS V4)</a> (optional)	

This template represents the vehicle (e.g., saline, dextrose) for administering a medication.

**Table 138: Drug Vehicle Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
participantRole (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.24)					
@classCode	1..1	SHALL		<a href="#">81-7490</a>	urn:oid:2.16.840.1.113883.5.110 (HL7RoleClass) = MANU
templateId	1..1	SHALL		<a href="#">81-7495</a>	
@root	1..1	SHALL		<a href="#">81-10493</a>	2.16.840.1.113883.10.20.22.4.24
code	1..1	SHALL		<a href="#">81-19137</a>	
@code	1..1	SHALL		<a href="#">81-19138</a>	412307009
@codeSystem	1..1	SHALL		<a href="#">81-26502</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96
playingEntity	1..1	SHALL		<a href="#">81-7492</a>	
code	1..1	SHALL		<a href="#">81-7493</a>	
name	0..1	MAY		<a href="#">81-7494</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="MANU" (CodeSystem: HL7RoleClass urn:oid:2.16.840.1.113883.5.110 **STATIC**) (CONF:81-7490).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-7495) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.24" (CONF:81-10493).
3. **SHALL** contain exactly one [1..1] **code** (CONF:81-19137).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="412307009" Drug Vehicle (CONF:81-19138).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:81-26502).
4. **SHALL** contain exactly one [1..1] **playingEntity** (CONF:81-7492).

This playingEntity/code is used to supply a coded term for the drug vehicle.

- a. This playingEntity **SHALL** contain exactly one [1..1] **code** (CONF:81-7493).
- b. This playingEntity **MAY** contain zero or one [0..1] **name** (CONF:81-7494).
  - i. This playingEntity/name **MAY** be used for the vehicle name in text, such as Normal Saline (CONF:81-10087).

Figure 60: Drug Vehicle Example

```
<participantRole classCode="MANU">
  <templateId root="2.16.840.1.113883.10.20.22.4.24"/>
  <code code="412307009" displayName="drug vehicle"
codeSystem="2.16.840.1.113883.6.96"/>
  <playingEntity classCode="MMAT">
    <code code="324049" displayName="Aerosol"
codeSystem="2.16.840.1.113883.6.88"
codeSystemName="RxNorm"/>
    <name>Aerosol</name>
  </playingEntity>
</participantRole>
```

3.17 Encounter Activity (NHCS V4)

[encounter: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01  
(open) ]

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Table 139: Encounter Activity (NHCS V4) Contexts

Contained By:	Contains:
<a href="#">Encounters Section (entries optional) (NHCS V4)</a> (optional)	<a href="#">Indication (V2)</a> (optional) <a href="#">Encounter Diagnosis (NHCS V4)</a> (optional)

The C-CDA template, Encounter Activity (V3), has been versioned in this guide to support USCDI-v3. This clinical statement describes an interaction between a patient and clinician. Interactions may include in-person encounters, telephone conversations, and email exchanges.

**Table 140: Encounter Activity (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
encounter (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-8710</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ENC
@moodCode	1..1	SHALL		<a href="#">5564-8711</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-8712</a>	
@root	1..1	SHALL		<a href="#">5564-26353</a>	2.16.840.1.113883.10.20.22.4.49
@extension	1..1	SHALL		<a href="#">5564-32546</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-8713</a>	
code	1..1	SHALL		<a href="#">5564-8714</a>	urn:oid:2.16.840.1.113883.3.88.12.80.32 (EncounterTypeCode)
originalText	0..1	SHOULD		<a href="#">5564-8719</a>	
reference	0..1	SHOULD		<a href="#">5564-15970</a>	
@value	0..1	SHOULD		<a href="#">5564-15971</a>	
translation	0..1	MAY		<a href="#">5564-32323</a>	
@code	1..1	SHALL		<a href="#">5564-32972</a>	urn:oid:2.16.840.1.113883.11.20.9.52 (Encounter Planned)
effectiveTime	1..1	SHALL		<a href="#">5564-8715</a>	
sdtc:dischargeDispositionCode	0..1	MAY		<a href="#">5564-32176</a>	
@code	0..1	SHOULD		<a href="#">5564-32981</a>	urn:oid:2.16.840.1.113883.3.88.12.80.33 (NUBC UB-04 FL17 Patient Status)
performer	0..*	MAY		<a href="#">5564-8725</a>	
assignedEntity	1..1	SHALL		<a href="#">5564-8726</a>	
code	0..1	MAY		<a href="#">5564-8727</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
participant	0..*	SHOULD		<a href="#">5564-8738</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8740</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) =



XPath	Card.	Verb	Data Type	CONF#	Value
					LOC
participantRole	1..1	SHALL		<a href="#">5564-14903</a>	Service Delivery Location (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.32)
entryRelationship	0..*	MAY		<a href="#">5564-8722</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8723</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">5564-14899</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-15492</a>	
act	1..1	SHALL		<a href="#">5564-15973</a>	<a href="#">Encounter Diagnosis (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode="ENC"** (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-8710).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-8711).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-8712) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.49"** (CONF:5564-26353).
  - b. **SHALL** contain exactly one [1..1] **@extension="2025-08-01"** (CONF:5564-32546).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-8713).
5. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [EncounterTypeCode](#) urn:oid:2.16.840.1.113883.3.88.12.80.32 **DYNAMIC** (CONF:5564-8714).
  - a. This code **SHOULD** contain zero or one [0..1] **originalText** (CONF:5564-8719).
    - i. The originalText, if present, **SHOULD** contain zero or one [0..1] **reference** (CONF:5564-15970).
      1. The reference, if present, **SHOULD** contain zero or one [0..1] **@value** (CONF:5564-15971).
        - a. This reference/**@value** **SHALL** begin with a '#' and **SHALL** point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:5564-15972).
    - b. This code **MAY** contain zero or one [0..1] **translation** (CONF:5564-32323) such that it

- i. **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [Encounter Planned](#) urn:oid:2.16.840.1.113883.11.20.9.52 **DYNAMIC** (CONF:5564-32972).
6. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-8715).
7. **MAY** contain zero or one [0..1] **sdtc:dischargeDispositionCode** (CONF:5564-32176).  
Note: The prefix sdtc: SHALL be bound to the namespace “urn:hl7-org:sdtc”. The use of the namespace provides a necessary extension to CDA R2 for the use of the dischargeDispositionCode element
  - a. The sdtc:dischargeDispositionCode, if present, **SHOULD** contain zero or one [0..1] **@code**, which **SHOULD** be selected from ValueSet [NUBC UB-04 FL17 Patient Status](#) urn:oid:2.16.840.1.113883.3.88.12.80.33 (CONF:5564-32981).
8. **MAY** contain zero or more [0..\*] **performer** (CONF:5564-8725).
  - a. The performer, if present, **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:5564-8726).
    - i. This assignedEntity **MAY** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet [Healthcare Provider Taxonomy](#) urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC** (CONF:5564-8727).
9. **SHOULD** contain zero or more [0..\*] **participant** (CONF:5564-8738) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="LOC"** Location (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:5564-8740).
  - b. **SHALL** contain exactly one [1..1] Service Delivery Location (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.32) (CONF:5564-14903).
10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-8722) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8723).
  - b. **SHALL** contain exactly one [1..1] [Indication \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:5564-14899).
11. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-15492) such that it
  - a. **SHALL** contain exactly one [1..1] [Encounter Diagnosis \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01) (CONF:5564-15973).

**Table 141: EncounterTypeCode**

Value Set: EncounterTypeCode urn:oid:2.16.840.1.113883.3.88.12.80.32 (Clinical Focus: Concepts that represent an interaction between a patient and clinician. Interactions may include in-person encounters, telephone conversations, and email exchanges.),(Data Element Scope: Indicator of an encounter),(Inclusion Criteria: CPT codes found in the following CPT sections: 99201-99499 E/M 99500-99600 home health (mainly nonphysician, such as newborn care in home) 99605-99607 medication management 98966-98968 non physician telephone services),(Exclusion Criteria: Only codes as defined in the inclusion criteria)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.32/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.32/expansion</a>			
Code	Code System	Code System OID	Print Name
1013649	CPT	urn:oid:2.16.840.1.113883.6.12	Observation Care Discharge Services
1013652	CPT	urn:oid:2.16.840.1.113883.6.12	New or Established Patient
1013757	CPT	urn:oid:2.16.840.1.113883.6.12	Other Nursing Facility Services
1013760	CPT	urn:oid:2.16.840.1.113883.6.12	New Patient
1013766	CPT	urn:oid:2.16.840.1.113883.6.12	Established Patient
1013771	CPT	urn:oid:2.16.840.1.113883.6.12	Domiciliary, Rest Home (eg, Assisted Living Facility), or Home Care Plan Oversight Services
1013796	CPT	urn:oid:2.16.840.1.113883.6.12	Prolonged Service With Direct Patient Contact (Except with Office or Other Outpatient Services)
1020434	CPT	urn:oid:2.16.840.1.113883.6.12	Subsequent Observation Care
1036687	CPT	urn:oid:2.16.840.1.113883.6.12	Care Planning
93793	CPT	urn:oid:2.16.840.1.113883.6.12	Anticoagulant management for a patient taking warfarin, must include review and interpretation of a new home, office, or lab international normalized ratio (INR) test result, patient instructions, dosage adjustment (as needed), and scheduling of additional test(s), when performed
...			

**Table 142: Encounter Planned**

Value Set: Encounter Planned urn:oid:2.16.840.1.113883.11.20.9.52 (Clinical Focus: Activities that represent planned patient encounters with clinicians),(Data Element Scope: encounter),(Inclusion Criteria: SNOMED-CT codes descending from "308335008" patient encounter procedure (procedure).),(Exclusion Criteria: unknown)  This value set was imported on 10/25/2017 with a version of 20171016. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.52/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.52/expansion</a>			
Code	Code System	Code System OID	Print Name
108219001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Physician visit with evaluation AND/OR management service (procedure)
108220007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Evaluation AND/OR management - new patient (procedure)
108221006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Evaluation AND/OR management - established patient (procedure)
11429006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Consultation (procedure)
11797002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Telephone call by physician to patient or for consultation (procedure)
12566000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Consultation in computer dosimetry and isodose chart, teletherapy (procedure)
12586001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Physician direction of emergency medical systems (procedure)
12843005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Subsequent hospital visit by physician (procedure)
14736009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	History and physical examination with evaluation and management of patient (procedure)
15301000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Consultation in chemotherapy (procedure)
...			

**Table 143: NUBC UB-04 FL17 Patient Status**

Value Set: NUBC UB-04 FL17 Patient Status urn:oid:2.16.840.1.113883.3.88.12.80.33			
National Uniform Billing Committee (NUBC) code system.			
Value Set Source: <a href="http://www.nubc.org">http://www.nubc.org</a>			
Code	Code System	Code System OID	Print Name
01	NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.30 1.5	Discharged to Home or Self Care (Routine Discharge)
02	NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.30 1.5	Discharged/transferred to a Short-Term General Hospital for Inpatient Care
03	NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.30 1.5	Discharged/transferred to Skilled Nursing Facility (SNF) with Medicare Certification in Anticipation of Skilled Care
04	NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.30 1.5	Discharged/transferred to a Facility that Provides Custodial or Supportive Care
05	NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.30 1.5	Discharged/transferred to a Designated Cancer Center or Children's Hospital
06	NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.30 1.5	Discharged/transferred to Home Under Care of an Organized Home Health Service Organization in Anticipation of Covered Skilled Care
07	NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.30 1.5	Left Against Medical Advice or Discontinued Care
08	NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.30 1.5	Reserved for Assignment by the NUBC
09	NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.30 1.5	Admitted as an Inpatient to this Hospital
20	NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.30 1.5	Expired
...			

**Figure 61: Encounter Activity (NHCS V4) Example**

```
<encounter classCode="ENC" moodCode="EVN">
  <!-- [Updated C-CDA] Encounter Activity (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.49" extension="2025-08-01"/>
  <id root="2a620155-9d11-439e-92b3-5d9815ff4de8" />
  <code code="99213" displayName="Office outpatient visit 15 minutes"
    codeSystemName="CPT" codeSystem="2.16.840.1.113883.6.12">
    <originalText>
      <reference value="#Encounter1" />
    </originalText>
    <translation code="AMB" codeSystem="2.16.840.1.113883.5.4"
      displayName="Ambulatory" codeSystemName="HL7 ActEncounterCode" />
  </code>
  <effectiveTime value="201209271300+0500" />
  <performer>
    <assignedEntity>
      ...
    </assignedEntity>
  </performer>
  <participant typeCode="LOC">
    <participantRole classCode="SDLOC">
      <!-- [C-CDA] Service Delivery Location -->
      <templateId root="2.16.840.1.113883.10.20.22.4.32" />
      ...
    </participantRole>
  </participant>
  <entryRelationship typeCode="RSON">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA] Indication (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.19" extension="2014-06-09" />
      ...
    </observation>
  </entryRelationship>
</encounter>
```

### 3.17.1 Current Emergency Department Visit (V5)

[encounter: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.3.40:2025-08-01  
(open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 144: Current Emergency Department Visit (V5) Contexts**

Contained By:	Contains:
<a href="#">Emergency Department Encounters Section (V5)</a> (required)	<a href="#">External Document Reference</a> (optional) <a href="#">Note Activity</a> (optional) <a href="#">Primary Diagnosis Observation (V5)</a> (optional) <a href="#">Principal Diagnosis (V3)</a> (optional)

This template represents the patient's current emergency department visit. This template is based on the C-CDA Encounter Activity template and further constrains that template. The primary diagnosis and encounter diagnoses are recorded in this template.

When submitting data for the National Health Care Surveys, inclusion of coded problem data is required when available. Use a Principal Diagnosis (V3) with problem code, a Primary Diagnosis Observation (V5) with problem code, or both.

The External Document Reference template and Note Activity template are used to record clinician notes (e.g., notes from physicians, nurses, PAs, NPs and CNMs) such as Triage, Intake, History of Present Illness, Clinical Impression, and Discharge.

**Table 145: Current Emergency Department Visit (V5) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
encounter (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.40:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-1036</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ENC
@moodCode	1..1	SHALL		<a href="#">5564-1037</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-997</a>	
@root	1..1	SHALL		<a href="#">5564-1010</a>	2.16.840.1.113883.10.20.34.3.40
@extension	1..1	SHALL		<a href="#">5564-1011</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-1006</a>	
@code	1..1	SHALL		<a href="#">5564-1038</a>	EMER
@codeSystem	1..1	SHALL		<a href="#">5564-1039</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
entryRelationship	0..*	MAY		<a href="#">5564-1181</a>	
@typeCode	1..1	SHALL		<a href="#">5564-1183</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-1182</a>	<a href="#">Note Activity (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01)</a>
entryRelationship	0..1	SHOULD		<a href="#">5564-1334</a>	
@typeCode	1..1	SHALL		<a href="#">5564-1335</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-1336</a>	<a href="#">Primary Diagnosis Observation (V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01)</a>
entryRelationship	0..1	SHOULD		<a href="#">5564-2311</a>	
@typeCode	1..1	SHALL		<a href="#">5564-2313</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-2312</a>	<a href="#">Principal Diagnosis (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01)</a>
reference	0..*	SHOULD		<a href="#">5564-1249</a>	



XPath	Card.	Verb	Data Type	CONF#	Value
@typeCode	1..1	SHALL		<a href="#">5564-1251</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
externalDocument	1..1	SHALL		<a href="#">5564-1250</a>	<a href="#">External Document Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09)</a>

1. Conforms to [Encounter Activity \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01).
2. **SHALL** contain exactly one [1..1] @classCode="ENC" Encounter (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-1036).
3. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-1037).
4. **SHALL** contain exactly one [1..1] templateId (CONF:5564-997) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.34.3.40" (CONF:5564-1010).
  - b. **SHALL** contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-1011).
5. **SHALL** contain exactly one [1..1] code (CONF:5564-1006).
  - a. This code **SHALL** contain exactly one [1..1] @code="EMER" Emergency (CONF:5564-1038).
  - b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.5.4" (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:5564-1039).
6. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-1181) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-1183).
  - b. **SHALL** contain exactly one [1..1] [Note Activity](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01) (CONF:5564-1182).
7. **SHOULD** contain zero or one [0..1] entryRelationship (CONF:5564-1334) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-1335).
  - b. **SHALL** contain exactly one [1..1] [Primary Diagnosis Observation \(V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01) (CONF:5564-1336).
8. **SHOULD** contain zero or one [0..1] entryRelationship (CONF:5564-2311) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers To (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-2313).

- b. **SHALL** contain exactly one [1..1] [Principal Diagnosis \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01) (CONF:5564-2312).
- 9. **SHOULD** contain zero or more [0..\*] **reference** (CONF:5564-1249) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-1251).
  - b. **SHALL** contain exactly one [1..1] [External Document Reference](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09) (CONF:5564-1250).
- 10. This encounter **SHALL** contain Principal Diagnosis (V3) (2.16.840.1.113883.10.20.24.3.152:2025-08-01), Primary Diagnosis Observation (V5) (2.16.840.1.113883.10.20.34.3.6:2025-08-01), or both (CONF:5564-29079).

**Figure 62: Current Emergency Department Visit (V5) Example**

```
<encounter classCode="ENC" moodCode="EVN">
  <!-- [Updated C-CDA R2] Encounter Activity (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.49" extension="2025-08-01" />
  <!-- [NHCS STU 4] Current Emergency Department Visit (V5) -->
  <templateId root="2.16.840.1.113883.10.20.34.3.40" extension="2025-08-01" />
  <!-- This id is the same as the encompassingEncounter id -->
  <id root="57edf80c-7114-4dc3-b3f4-abf515d18c90" />
  <code code="EMER"
    codeSystem="2.16.840.1.113883.5.4"
    displayName="Emergency"
    codeSystemName="ActCode" />
  <effectiveTime>
    <!-- Date of Visit -->
    <low value="20180815" />
  </effectiveTime>
  <entryRelationship typeCode="SUBJ">
    <!-- This observation represents the primary diagnosis -->
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01" />
      <!-- [NHCS STU 4] Primary Diagnosis Observation (V5) -->
      <templateId root="2.16.840.1.113883.10.20.34.3.6" extension="2025-08-01"/>
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="REFR">
    <!-- This act represents an encounter diagnosis -->
    <act classCode="ACT" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Encounter Diagnosis (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.80" extension="2025-08-01" />
      ...
    </act>
  </entryRelationship>
  <!-- Clinician notes -->
  <entryRelationship typeCode="REFR">
    <!-- Not a CDA document so use Notes C-CDA Companion Guide Note Activity template -->
    <act classCode="ACT" moodCode="EVN">
      <!-- [C-CDA COMP 2.1] Note Activity -->
      <templateId root="2.16.840.1.113883.10.20.22.4.202" extension="2016-11-01" />
      ...
    </act>
  </entryRelationship>
  <!-- External Document Reference -->
  <reference typeCode="REFR">
    <!-- This is a reference to a CDA document so classCode="DOCCLIN" -->
    <externalDocument classCode="DOCCLIN" moodCode="EVN">
      <!-- [C-CDA R2.1] External Document Reference -->
      <templateId root="2.16.840.1.113883.10.20.22.4.115" extension="2014-06-09" />
      ...
    </externalDocument>
  </reference>
</encounter>
```

### 3.17.2 Current Inpatient Visit (V4)

[encounter: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.3.39:2025-08-01  
(open) ]

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**Table 146: Current Inpatient Visit (V4) Contexts**

Contained By:	Contains:
<a href="#">Inpatient Encounters Section (V5)</a> (optional)	<a href="#">External Document Reference</a> (optional) <a href="#">Note Activity</a> (optional) <a href="#">Primary Diagnosis Observation (V5)</a> (optional) <a href="#">Principal Diagnosis (V3)</a> (optional)

This template represents the patient's current inpatient visit to the facility. This template is based on the C-CDA Encounter Activity template and further constrains that template. The primary diagnosis and encounter diagnoses are recorded in this template.

When submitting data for the National Health Care Surveys, inclusion of coded problem data is required when available. Use a Principal Diagnosis (V3) with problem code, a Primary Diagnosis Observation (V5) with problem code, or both.

The External Document Reference template and Note Activity template are used to record clinician notes (e.g., notes from physicians, nurses, PAs, NPs and CNMs) such as Triage, Intake, History of Present Illness, Clinical Impression, and Discharge.

**Table 147: Current Inpatient Visit (V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
encounter (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.39:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-983</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ENC
@moodCode	1..1	SHALL		<a href="#">5564-984</a>	urn:oid:2.16.840.1.113883.5.1 001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-949</a>	
@root	1..1	SHALL		<a href="#">5564-961</a>	2.16.840.1.113883.10.20.34.3 .39
@extension	1..1	SHALL		<a href="#">5564-989</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-988</a>	
@code	1..1	SHALL		<a href="#">5564-990</a>	IMP
@codeSystem	1..1	SHALL		<a href="#">5564-991</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
entryRelationship	0..*	SHOULD		<a href="#">5564-1306</a>	
@typeCode	1..1	SHALL		<a href="#">5564-1310</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-1307</a>	<a href="#">Note Activity (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.202:2016-11-01)</a>
entryRelationship	0..*	SHOULD		<a href="#">5564-1337</a>	
@typeCode	1..1	SHALL		<a href="#">5564-1339</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-1338</a>	<a href="#">Primary Diagnosis Observation (V5) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.34.3.6:2025-08-01)</a>
entryRelationship	0..*	SHOULD		<a href="#">5564-2314</a>	
@typeCode	1..1	SHALL		<a href="#">5564-2316</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-2315</a>	<a href="#">Principal Diagnosis (V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.24.3.152:2025-08-01)</a>
reference	0..*	MAY		<a href="#">5564-1308</a>	
@typeCode	1..1	SHALL		<a href="#">5564-1311</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR

XPath	Card.	Verb	Data Type	CONF#	Value
externalDocument	1..1	SHALL		<a href="#">5564-1309</a>	<a href="#">External Document Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09)</a>

1. Conforms to [Encounter Activity \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01).
2. **SHALL** contain exactly one [1..1] **@classCode="ENC"** Encounter (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-983).
3. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-984).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-949) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.34.3.39"** (CONF:5564-961).
  - b. **SHALL** contain exactly one [1..1] **@extension="2025-08-01"** (CONF:5564-989).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-988).
  - a. This code **SHALL** contain exactly one [1..1] **@code="IMP"** Inpatient (CONF:5564-990).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.5.4"** (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:5564-991).
6. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:5564-1306) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-1310).
  - b. **SHALL** contain exactly one [1..1] [Note Activity](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01) (CONF:5564-1307).
7. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:5564-1337) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-1339).
  - b. **SHALL** contain exactly one [1..1] [Primary Diagnosis Observation \(V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01) (CONF:5564-1338).
8. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:5564-2314) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers To (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-2316).
  - b. **SHALL** contain exactly one [1..1] [Principal Diagnosis \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01) (CONF:5564-2315).
9. **MAY** contain zero or more [0..\*] **reference** (CONF:5564-1308).

- a. The reference, if present, **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-1311).
  - b. The reference, if present, **SHALL** contain exactly one [1..1] [External Document Reference](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09) (CONF:5564-1309).
10. This encounter **SHALL** contain Principal Diagnosis (V3) (2.16.840.1.113883.10.20.24.3.152:2025-08-01), Primary Diagnosis Observation (V5) (2.16.840.1.113883.10.20.34.3.6:2025-08-01), or both (CONF:5564-29077).

**Figure 63: Current Inpatient Visit (V4) Example**

```
<encounter classCode="ENC" moodCode="EVN">
  <!-- [Updated C-CDA] Encounter Activity (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.49" extension="2025-08-01"/>
  <!-- [NHCS STU4] Current Inpatient Visit (V4) -->
  <templateId root="2.16.840.1.113883.10.20.34.3.39" extension="2025-08-01"/>
  <!-- This id is the same as the encompassingEncounter id -->
  <id root="57edf80c-7114-4dc3-b3f4-abf515d18c90"/>
  <code code="IMP" displayName="Inpatient" codeSystem="2.16.840.1.113883.5.4"
codeSystemName="ActCode"/>
  <effectiveTime>
    <!-- Date of Visit -->
    <low value="20210815"/>
  </effectiveTime>
  <!-- Primary diagnosis -->
  <entryRelationship typeCode="SUBJ">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
      <!-- [NHCS STU4] Primary Diagnosis Observation (V5) -->
      <templateId root="2.16.840.1.113883.10.20.34.3.6" extension="2025-08-01"/>
      ...
    </observation>
  </entryRelationship>
  <!-- Principal diagnosis -->
  <entryRelationship typeCode="SUBJ">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
      <!-- [NHCS STU4] Principal Diagnosis (V3) -->
      <templateId root="2.16.840.1.113883.10.20.24.3.152" extension="2025-08-01"/>
      ...
    </observation>
  </entryRelationship>
  <!-- Encounter diagnosis -->
  <entryRelationship typeCode="REFR">
    <act classCode="ACT" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Encounter Diagnosis (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.80" extension="2025-08-01"/>
      ...
    </act>
  </entryRelationship>
  <!-- Clinician notes -->
  <entryRelationship typeCode="REFR">
    <act classCode="ACT" moodCode="EVN">
      <!-- [C-CDA 2.1 Comp. Guide] Note Activity -->
      <templateId root="2.16.840.1.113883.10.20.22.4.202" extension="2016-11-01"/>
      ...
    </act>
  </entryRelationship>
  <!-- External Document Reference -->
  <reference typeCode="REFR">
    <!-- This is a reference to a CDA document so classCode="DOCCLIN" -->
    <externalDocument classCode="DOCCLIN" moodCode="EVN">
      <!-- [C-CDA R2.1] External Document Reference -->
      <templateId root="2.16.840.1.113883.10.20.22.4.115" extension="2014-06-09"/>
    </externalDocument>
  </reference>
</encounter>
```



```

...
    </externalDocument>
  </reference>
</encounter>

```

### 3.17.3 Current Outpatient Visit (V6)

```

[encounter: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.3.10:2025-08-01
(open) ]

```

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**Table 148: Current Outpatient Visit (V6) Contexts**

Contained By:	Contains:
<a href="#">Outpatient Encounters Section (V6)</a> (required)	<a href="#">External Document Reference</a> (optional) <a href="#">Note Activity</a> (optional) <a href="#">Primary Diagnosis Observation (V5)</a> (optional) <a href="#">Principal Diagnosis (V3)</a> (optional)

This template represents the patient's current outpatient visit to the facility. This template is based on the C-CDA Encounter Activity template and further constrains that template. The primary diagnosis and encounter diagnoses are recorded in this template.

When submitting data for the National Health Care Surveys, inclusion of coded problem data is required when available. Use a Principal Diagnosis (V3) with problem code, a Primary Diagnosis Observation (V5) with problem code, or both.

Any clinical notes or external documents about the visit are referenced through the Clinical Note and External Document Reference template.

**Table 149: Current Outpatient Visit (V6) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
encounter (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.10:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-463</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ENC
@moodCode	1..1	SHALL		<a href="#">5564-464</a>	urn:oid:2.16.840.1.113883.5.1 001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-465</a>	
@root	1..1	SHALL		<a href="#">5564-466</a>	2.16.840.1.113883.10.20.34.3 .10
@extension	1..1	SHALL		<a href="#">5564-993</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-992</a>	
@code	1..1	SHALL		<a href="#">5564-994</a>	AMB
@codeSystem	1..1	SHALL		<a href="#">5564-995</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
entryRelationship	0..*	SHOULD		<a href="#">5564-1178</a>	
@typeCode	1..1	SHALL		<a href="#">5564-1180</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-1179</a>	<a href="#">Note Activity (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.202:2016-11-01)</a>
entryRelationship	0..*	SHOULD		<a href="#">5564-1340</a>	
@typeCode	1..1	SHALL		<a href="#">5564-1342</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-1341</a>	<a href="#">Primary Diagnosis Observation (V5) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.34.3.6:2025-08-01)</a>
entryRelationship	0..*	SHOULD		<a href="#">5564-2317</a>	
@typeCode	1..1	SHALL		<a href="#">5564-2319</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-2318</a>	<a href="#">Principal Diagnosis (V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.24.3.152:2025-08-01)</a>
reference	0..*	SHOULD		<a href="#">5564-1247</a>	
@typeCode	1..1	SHALL		<a href="#">5564-1252</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR

XPath	Card.	Verb	Data Type	CONF#	Value
externalDocument	1..1	SHALL		<a href="#">5564-1248</a>	<a href="#">External Document Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09)</a>

1. Conforms to [Encounter Activity \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01).
2. **SHALL** contain exactly one [1..1] **@classCode="ENC"** Encounter (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-463).
3. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-464).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-465) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.34.3.10"** (CONF:5564-466).
  - b. **SHALL** contain exactly one [1..1] **@extension="2025-08-01"** (CONF:5564-993).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-992).
  - a. This code **SHALL** contain exactly one [1..1] **@code="AMB"** Ambulatory (outpatient) (CONF:5564-994).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.5.4"** (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:5564-995).
6. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:5564-1178) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-1180).
  - b. **SHALL** contain exactly one [1..1] [Note Activity](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01) (CONF:5564-1179).
7. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:5564-1340) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-1342).
  - b. **SHALL** contain exactly one [1..1] [Primary Diagnosis Observation \(V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01) (CONF:5564-1341).
8. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:5564-2317) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers To (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-2319).
  - b. **SHALL** contain exactly one [1..1] [Principal Diagnosis \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01) (CONF:5564-2318).
9. **SHOULD** contain zero or more [0..\*] **reference** (CONF:5564-1247) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-1252).
  - b. **SHALL** contain exactly one [1..1] [External Document Reference](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09) (CONF:5564-1248).
10. This encounter **SHALL** contain Principal Diagnosis (V3) (2.16.840.1.113883.10.20.24.3.152:2025-08-01), Primary Diagnosis Observation (V5) (2.16.840.1.113883.10.20.34.3.6:2025-08-01), or both (CONF:5564-29078).

**Figure 64: Current Outpatient Visit (V6) Example**

```
<encounter classCode="ENC" moodCode="EVN">
  <!-- [Updated C-CDA R2.1] Encounter Activity (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.49" extension="2025-08-01" />
  <!-- [NHCS STU 4] Current Outpatient Visit (V6) -->
  <templateId root="2.16.840.1.113883.10.20.34.3.10" extension="2025-08-01" />
  <!-- This id is the same as the encompassingEncounter id -->
  <id root="57edf80c-7114-4dc3-b3f4-abf515d18c90" />
  <code code="AMB" displayName="Ambulatory (outpatient)" codeSystem="2.16.840.1.113883.5.4"
codeSystemName="ActCode" />
  <effectiveTime>
    <!-- Date of Visit -->
    <low value="20180815" />
  </effectiveTime>
  <entryRelationship typeCode="SUBJ">
    <!-- This observation represents the primary diagnosis -->
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01" />
      <!-- [NHCS STU 4] Primary Diagnosis Observation (V5) -->
      <templateId root="2.16.840.1.113883.10.20.34.3.6" extension="2025-08-01"/>
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="REFR">
    <!-- This act represents an encounter diagnosis -->
    <act classCode="ACT" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Encounter Diagnosis (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.80" extension="2025-08-01" />
      ...
    </act>
  </entryRelationship>
  <!-- Clinician notes -->
  <entryRelationship typeCode="REFR">
    <!-- Not a CDA document so use Notes C-CDA Companion Guide Note Activity template -->
    <act classCode="ACT" moodCode="EVN">
      <!-- [C-CDA COMP 2.1] Note Activity -->
      <templateId root="2.16.840.1.113883.10.20.22.4.202" extension="2016-11-01" />
      ...
    </act>
  </entryRelationship>
  <!-- External Document Reference -->
  <reference typeCode="REFR">
    <!-- This is a reference to a CDA document so classCode="DOCCLIN" -->
    <externalDocument classCode="DOCCLIN" moodCode="EVN">
      <!-- [C-CDA R2.1] External Document Reference -->
      <templateId root="2.16.840.1.113883.10.20.22.4.115" extension="2014-06-09" />
      ...
    </externalDocument>
  </reference>
</encounter>
```

### 3.18 Encounter Diagnosis (NHCS V4)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01 (open)]

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**Table 150: Encounter Diagnosis (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Encounter Activity (NHCS V4)</a> (optional) <a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Problem Observation (NHCS V5)</a> (required)

The C-CDA template, Encounter Diagnosis (V3), has been versioned in this guide to support USCDI-v3.

This template wraps relevant problems or diagnoses at the close of a visit or that need to be followed after the visit.

**Table 151: Encounter Diagnosis (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-14889</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">5564-14890</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-14895</a>	
@root	1..1	SHALL		<a href="#">5564-14896</a>	2.16.840.1.113883.10.20.22.4.80
@extension	1..1	SHALL		<a href="#">5564-32542</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-19182</a>	
@code	1..1	SHALL		<a href="#">5564-19183</a>	29308-4
@codeSystem	1..1	SHALL		<a href="#">5564-32160</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
entryRelationship	1..*	SHALL		<a href="#">5564-14892</a>	
@typeCode	1..1	SHALL		<a href="#">5564-14893</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
observation	1..1	SHALL		<a href="#">5564-14898</a>	<a href="#">Problem Observation (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-14889).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-14890).
3. **SHALL** contain exactly one [1..1] templateId (CONF:5564-14895) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.80" (CONF:5564-14896).
  - b. **SHALL** contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32542).
4. **SHALL** contain exactly one [1..1] code (CONF:5564-19182).
  - a. This code **SHALL** contain exactly one [1..1] @code="29308-4" Diagnosis (CONF:5564-19183).
  - b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32160).
5. **SHALL** contain at least one [1..\*] entryRelationship (CONF:5564-14892) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-14893).
  - b. **SHALL** contain exactly one [1..1] [Problem Observation \(NHCS V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01) (CONF:5564-14898).

**Figure 65: Encounter Diagnosis (NHCS V4) Example**

```
<act classCode="ACT" moodCode="EVN">
  <!-- [Updated C-CDA R2.1] Encounter Diagnosis (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.80" extension="2025-08-01"/>
  <code code="29308-4" codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC" displayName="DIAGNOSIS" />
  <statusCode code="active" />
  <effectiveTime>
    <low value="20903003" />
  </effectiveTime>
  <entryRelationship typeCode="SUBJ">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
      ...
    </observation>
  </entryRelationship>
</act>
```

### 3.19 Estimated Date of Delivery

[observation: identifier urn:oid:2.16.840.1.113883.10.20.15.3.1 (closed)]

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**Table 152: Estimated Date of Delivery Contexts**

Contained By:	Contains:
<a href="#">Pregnancy Observation</a> (optional)	

This clinical statement represents the anticipated date when a woman will give birth.

**Table 153: Estimated Date of Delivery Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.15.3.1)					
@classCode	1..1	SHALL		<a href="#">81-444</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">81-445</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">81-16762</a>	
@root	1..1	SHALL		<a href="#">81-16763</a>	2.16.840.1.113883.10.20.15.3.1
code	1..1	SHALL		<a href="#">81-19139</a>	
@code	1..1	SHALL		<a href="#">81-19140</a>	11778-8
@codeSystem	1..1	SHALL		<a href="#">81-26503</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">81-448</a>	
@code	1..1	SHALL		<a href="#">81-19096</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	TS	<a href="#">81-450</a>	

1. **SHALL** contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-444).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-445).
3. **SHALL** contain exactly one [1..1] templateId (CONF:81-16762) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.15.3.1" (CONF:81-16763).
4. **SHALL** contain exactly one [1..1] code (CONF:81-19139).
  - a. This code **SHALL** contain exactly one [1..1] @code="11778-8" Estimated date of delivery (CONF:81-19140).



- b. This code **SHALL** contain exactly one [1..1] `@codeSystem="2.16.840.1.113883.6.1"` (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:81-26503).
5. **SHALL** contain exactly one [1..1] `statusCode` (CONF:81-448).
  - a. This `statusCode` **SHALL** contain exactly one [1..1] `@code="completed"` Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:81-19096).
6. **SHALL** contain exactly one [1..1] `value` with `@xsi:type="TS"` (CONF:81-450).

**Figure 66: Estimated Date of Delivery Example**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.15.3.1"/>
  <code code="11778-8" codeSystem="2.16.840.1.113883.6.1"
    displayName="Estimated date of delivery"/>
  <statusCode code="completed"/>
  <value xsi:type="TS" value="20110919" />
</observation>
```

## 3.20 External Document Reference

[externalDocument: identifier

urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09 (open)]

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**Table 154: External Document Reference Contexts**

Contained By:	Contains:
<a href="#">Current Inpatient Visit (V4)</a> (optional) <a href="#">Current Emergency Department Visit (V5)</a> (optional) <a href="#">Current Outpatient Visit (V6)</a> (optional) <a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Goal Observation (NHCS V3)</a> (optional)	

Where it is necessary to reference an external clinical document, the External Document Reference template can be used to reference this external document. However, if the containing document is appending to or replacing another document in the same set, that relationship is set in the header, using ClinicalDocument/relatedDocument.

**Table 155: External Document Reference Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
externalDocument (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-31931</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = DOCCLIN
@moodCode	1..1	SHALL		<a href="#">1098-31932</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-32748</a>	
@root	1..1	SHALL		<a href="#">1098-32750</a>	2.16.840.1.113883.10.20.22.4.115
@extension	1..1	SHALL		<a href="#">1098-32749</a>	2014-06-09
id	1..1	SHALL		<a href="#">1098-32751</a>	
code	1..1	SHALL		<a href="#">1098-31933</a>	
setId	0..1	SHOULD		<a href="#">1098-32752</a>	
versionNumber	0..1	SHOULD		<a href="#">1098-32753</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="DOCCLIN" Clinical Document (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1098-31931).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:1098-31932).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-32748) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.115" (CONF:1098-32750).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32749).
4. **SHALL** contain exactly one [1..1] **id** (CONF:1098-32751).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-31933).
6. **SHOULD** contain zero or one [0..1] **setId** (CONF:1098-32752).
7. **SHOULD** contain zero or one [0..1] **versionNumber** (CONF:1098-32753).

**Figure 67: External Document Reference Example**

```
<externalDocument classCode="DOCCLIN" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.115"
    extension="2014-06-09" />
  <id root="6f1bd58b-c58f-40b7-b314-caf1294ed98b" />
  <code codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"
    code="57133-1"
    displayName="Referral Note" />
  <setId extension="sTT988" root="2.16.840.1.113883.19.5.99999.19" />
  <versionNumber value="1" />
</externalDocument>
```

### 3.21 Family History Death Observation

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.47 (open)]

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**Table 156: Family History Death Observation Contexts**

Contained By:	Contains:
<a href="#">Family History Observation (V3)</a> (optional)	

This clinical statement records whether the family member is deceased.

**Table 157: Family History Death Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.47)					
@classCode	1..1	SHALL		<a href="#">81-8621</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">81-8622</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">81-8623</a>	
@root	1..1	SHALL		<a href="#">81-10495</a>	2.16.840.1.113883.10.20.22.4.47
code	1..1	SHALL		<a href="#">81-19141</a>	
@code	1..1	SHALL		<a href="#">81-19142</a>	ASSERTION
@codeSystem	1..1	SHALL		<a href="#">81-26504</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
statusCode	1..1	SHALL		<a href="#">81-8625</a>	
@code	1..1	SHALL		<a href="#">81-19097</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	CD	<a href="#">81-8626</a>	
@code	1..1	SHALL		<a href="#">81-26470</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 419099009

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-8621).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-8622).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-8623) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.47" (CONF:81-10495).
4. **SHALL** contain exactly one [1..1] **code** (CONF:81-19141).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="ASSERTION" Assertion (CONF:81-19142).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.5.4" (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:81-26504).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:81-8625).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:81-19097).
6. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD" (CONF:81-8626).
  - a. This value **SHALL** contain exactly one [1..1] **@code**="419099009" Dead (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96 **STATIC**) (CONF:81-26470).

**Figure 68: Family History Death Observation Example**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.47"/>
  <id root="6898fae0-5c8a-11db-b0de-0800200c9a66"/>
  <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
  <statusCode code="completed"/>
  <value xsi:type="CD"
    code="419099009"
    codeSystem="2.16.840.1.113883.6.96"
    displayName="Dead"/>
</observation>
```

### 3.22 Family History Observation (V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.46:2015-08-01 (open)]

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**Table 158: Family History Observation (V3) Contexts**

Contained By:	Contains:
<a href="#">Family History Organizer (V3)</a> (required)	<a href="#">Family History Death Observation</a> (optional)

Family History Observations related to a particular family member are contained within a Family History Organizer. The effectiveTime in the Family History Observation is the biologically or clinically relevant time of the observation. The biologically or clinically relevant time is the time at which the observation holds (is effective) for the family member (the subject of the observation).

**Table 159: Family History Observation (V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.46:2015-08-01)					
@classCode	1..1	SHALL		<a href="#">1198-8586</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1198-8587</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1198-8599</a>	
@root	1..1	SHALL		<a href="#">1198-10496</a>	2.16.840.1.113883.10.20.22.4.46
@extension	1..1	SHALL		<a href="#">1198-32605</a>	2015-08-01
id	1..*	SHALL		<a href="#">1198-8592</a>	
code	1..1	SHALL		<a href="#">1198-32427</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.7.2 (Problem Type (SNOMEDCT))
translation	1..*	SHALL		<a href="#">1198-32847</a>	urn:oid:2.16.840.1.113762.1.4.1099.28 (Problem Type (LOINC))
statusCode	1..1	SHALL		<a href="#">1198-8590</a>	
@code	1..1	SHALL		<a href="#">1198-19098</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	0..1	SHOULD		<a href="#">1198-8593</a>	
value	1..1	SHALL	CD	<a href="#">1198-8591</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.7.4 (Problem)
entryRelationship	0..1	MAY		<a href="#">1198-8675</a>	
@typeCode	1..1	SHALL		<a href="#">1198-8676</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">1198-8677</a>	true
observation	1..1	SHALL		<a href="#">1198-15526</a>	Age Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.31)
entryRelationship	0..1	MAY		<a href="#">1198-8678</a>	
@typeCode	1..1	SHALL		<a href="#">1198-8679</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = CAUS
observation	1..1	SHALL		<a href="#">1198-15527</a>	<a href="#">Family History Death Observation (identifier: urn:oid:2.16.840.1.113883.10.</a>

XPath	Card.	Verb	Data Type	CONF#	Value
					<a href="#">20.22.4.47</a>

1. **SHALL** contain exactly one [1..1] **@classCode="OBS"** Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-8586).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-8587).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-8599) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.46"** (CONF:1198-10496).
  - b. **SHALL** contain exactly one [1..1] **@extension="2015-08-01"** (CONF:1198-32605).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1198-8592).
5. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [Problem Type \(SNOMEDCT\)](#) urn:oid:2.16.840.1.113883.3.88.12.3221.7.2 **DYNAMIC** (CONF:1198-32427).
  - a. This code **SHALL** contain at least one [1..\*] **translation**, which **SHOULD** be selected from ValueSet [Problem Type \(LOINC\)](#) urn:oid:2.16.840.1.113762.1.4.1099.28 **DYNAMIC** (CONF:1198-32847).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-8590).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1198-19098).
7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1198-8593).
8. **SHALL** contain exactly one [1..1] **value** with **@xsi:type="CD"**, where the code **SHALL** be selected from ValueSet [Problem](#) urn:oid:2.16.840.1.113883.3.88.12.3221.7.4 **DYNAMIC** (CONF:1198-8591).
9. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:1198-8675) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Subject (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:1198-8676).
  - b. **SHALL** contain exactly one [1..1] **@inversionInd="true"** True (CONF:1198-8677).
  - c. **SHALL** contain exactly one [1..1] Age Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.31) (CONF:1198-15526).
10. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:1198-8678) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="CAUS"** Causal or Contributory (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:1198-8679).
  - b. **SHALL** contain exactly one [1..1] [Family History Death Observation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.47) (CONF:1198-15527).

**Table 160: Problem Type (SNOMEDCT)**

<p>Value Set: Problem Type (SNOMEDCT) urn:oid:2.16.840.1.113883.3.88.12.3221.7.2 (Clinical Focus: A problem observation categorization of the condition as represented in the SNOMED CT code system.), (Data Element Scope: Problem Observation), (Inclusion Criteria: High level condition types as selected for use.), (Exclusion Criteria: Only the codes selected.)</p> <p>This value set was imported on 10/24/2024 with a version of Latest.</p> <p>Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.7.2/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.7.2/expansion</a></p>			
Code	Code System	Code System OID	Print Name
282291009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Diagnosis interpretation (observable entity)
373930000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Cognitive function finding (finding)
404684003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Clinical finding (finding)
418799008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Finding reported by subject or history provider (finding)
55607006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Problem (finding)
64572001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Disease (disorder)



**Table 161: Problem**

Value Set: Problem urn:oid:2.16.840.1.113883.3.88.12.3221.7.4 (Clinical Focus: A pathology or disorder identified in a patient),(Data Element Scope: Observations),(Inclusion Criteria: Limited to terms descending from the Clinical Findings (404684003) or Situation with Explicit Context (243796009) hierarchies.),(Exclusion Criteria: any concept not in the hierarchies specified)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.7.4/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.7.4/expansion</a>			
Code	Code System	Code System OID	Print Name
10000006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Radiating chest pain (finding)
10001005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Bacterial sepsis (disorder)
10007009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Coffin-Siris syndrome (disorder)
1001000119102	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Pulmonary embolism with pulmonary infarction (disorder)
1001000124104	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Normal left ventricular systolic function (finding)
10017004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Occlusal wear of teeth (disorder)
100171000119109	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Eosinophilic mucin rhinosinusitis (disorder)
100191000119105	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Asymmetry of prostate (finding)
100211000119106	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Muscle spasm of thoracic back (finding)
1002229008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Apocrine miliaria of areola (disorder)
...			

**Table 162: Problem Type (LOINC)**

Value Set: Problem Type (LOINC) urn:oid:2.16.840.1.113762.1.4.1099.28 (Clinical Focus: A problem observation categorization of the condition as represented in the LOINC code system.), (Data Element Scope: Problem observation), (Inclusion Criteria: High level condition types as selected for use.), (Exclusion Criteria: Only those selected)  This value set was imported on 6/20/2019 with a version of 20190416. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.28/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.28/expansion</a>			
Code	Code System	Code System OID	Print Name
29308-4	LOINC	urn:oid:2.16.840.1.113883.6.1	Diagnosis
75275-8	LOINC	urn:oid:2.16.840.1.113883.6.1	Cognitive function [Interpretation]
75312-9	LOINC	urn:oid:2.16.840.1.113883.6.1	Clinical finding Family member
75313-7	LOINC	urn:oid:2.16.840.1.113883.6.1	Complaint Family member
75314-5	LOINC	urn:oid:2.16.840.1.113883.6.1	Diagnosis Family member
75315-2	LOINC	urn:oid:2.16.840.1.113883.6.1	Condition Family member
75316-0	LOINC	urn:oid:2.16.840.1.113883.6.1	Functional performance Family member
75317-8	LOINC	urn:oid:2.16.840.1.113883.6.1	Symptom Family member
75318-6	LOINC	urn:oid:2.16.840.1.113883.6.1	Problem Family member
75319-4	LOINC	urn:oid:2.16.840.1.113883.6.1	Mental function Family member
...			

**Figure 69: Family History Observation (V3) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.46" extension="2015-08-01" />
  <!-- Family History Observation template -->
  <id root="d42ebf70-5c89-11db-b0de-0800200c9a66" />
  <code code="75323-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Condition">
<translation code="64572001" displayName="Condition"
               codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED CT"></translation>
  </code>
  <statusCode code="completed" />
  <effectiveTime value="1967" />
  <value xsi:type="CD" code="22298006" codeSystem="2.16.840.1.113883.6.96"
displayName="Myocardial infarction" />
  <entryRelationship typeCode="CAUS">
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.47" />
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.31" />
      ....
    </observation>
  </entryRelationship>
</observation>
```

### 3.23 Family History Organizer (V3)

```
[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.45:2015-08-01
(open)]
```

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DSTU R2.1

**Table 163: Family History Organizer (V3) Contexts**

Contained By:	Contains:
<a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Family History Observation (V3)</a> (required)

The Family History Organizer associates a set of observations with a family member. For example, the Family History Organizer can group a set of observations about the patient's father.

**Table 164: Family History Organizer (V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.45:2015-08-01)					
@classCode	1..1	SHALL		<a href="#">1198-8600</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER
@moodCode	1..1	SHALL		<a href="#">1198-8601</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1198-8604</a>	
@root	1..1	SHALL		<a href="#">1198-10497</a>	2.16.840.1.113883.10.20.22.4.45
@extension	1..1	SHALL		<a href="#">1198-32606</a>	2015-08-01
id	1..*	SHALL		<a href="#">1198-32485</a>	
statusCode	1..1	SHALL		<a href="#">1198-8602</a>	
@code	1..1	SHALL		<a href="#">1198-19099</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
subject	1..1	SHALL		<a href="#">1198-8609</a>	
relatedSubject	1..1	SHALL		<a href="#">1198-15244</a>	
@classCode	1..1	SHALL		<a href="#">1198-15245</a>	urn:oid:2.16.840.1.113883.5.41 (HL7EntityClass) = PRS
code	1..1	SHALL		<a href="#">1198-15246</a>	urn:oid:2.16.840.1.113883.1.11.19579 (Family Member Value)
subject	0..1	SHOULD		<a href="#">1198-15248</a>	
administrativeGenderCode	1..1	SHALL		<a href="#">1198-15974</a>	urn:oid:2.16.840.1.113883.1.11.1 (Administrative Gender (HL7 V3))
birthTime	0..1	SHOULD		<a href="#">1198-15976</a>	
component	1..*	SHALL		<a href="#">1198-32428</a>	
observation	1..1	SHALL		<a href="#">1198-32429</a>	<a href="#">Family History Observation (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.46:2015-08-01)</a>

1. **SHALL** contain exactly one [1..1] @classCode="CLUSTER" Cluster (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-8600).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-8601).

3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-8604) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.45" (CONF:1198-10497).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32606).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1198-32485).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-8602).
  - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1198-19099).
6. **SHALL** contain exactly one [1..1] **subject** (CONF:1198-8609).
  - a. This **subject** **SHALL** contain exactly one [1..1] **relatedSubject** (CONF:1198-15244).
    - i. This **relatedSubject** **SHALL** contain exactly one [1..1] **@classCode**="PRS" Person (CodeSystem: HL7EntityClass urn:oid:2.16.840.1.113883.5.41 **STATIC**) (CONF:1198-15245).
    - ii. This **relatedSubject** **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet Family Member Value urn:oid:2.16.840.1.113883.1.11.19579 **DYNAMIC** (CONF:1198-15246).
    - iii. This **relatedSubject** **SHOULD** contain zero or one [0..1] **subject** (CONF:1198-15248).
      1. The **subject**, if present, **SHALL** contain exactly one [1..1] **administrativeGenderCode**, which **SHALL** be selected from ValueSet Administrative Gender (HL7 V3) urn:oid:2.16.840.1.113883.1.11.1 **DYNAMIC** (CONF:1198-15974).
      2. The **subject**, if present, **SHOULD** contain zero or one [0..1] **birthTime** (CONF:1198-15976).
      3. The **subject** **SHOULD** contain zero or more [0..\*] **sdtc:id**. The prefix **sdtc:** **SHALL** be bound to the namespace "urn:hl7-org:sdtc". The use of the namespace provides a necessary extension to CDA R2 for the use of the **id** element (CONF:1198-15249).
      4. The **subject** **MAY** contain zero or one [0..1] **sdtc:deceasedInd**. The prefix **sdtc:** **SHALL** be bound to the namespace "urn:hl7-org:sdtc". The use of the namespace provides a necessary extension to CDA R2 for the use of the **deceasedInd** element (CONF:1198-15981).
      5. The **subject** **MAY** contain zero or one [0..1] **sdtc:deceasedTime**. The prefix **sdtc:** **SHALL** be bound to the namespace "urn:hl7-org:sdtc". The use of the namespace provides a necessary extension to CDA R2 for the use of the **deceasedTime** element (CONF:1198-15982).
      6. The age of a relative at the time of a family history observation **SHOULD** be inferred by comparing **RelatedSubject/subject/birthTime** with **Observation/effectiveTime** (CONF:1198-15983).
7. **SHALL** contain at least one [1..\*] **component** (CONF:1198-32428).
  - a. Such **components** **SHALL** contain exactly one [1..1] Family History Observation (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.46:2015-08-01) (CONF:1198-32429).

**Table 165: Family Member Value**

Value Set: Family Member Value urn:oid:2.16.840.1.113883.1.11.19579 (Clinical Focus: A characterization of the familial relationship between two people),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 6/24/2019 with a version of 20190425. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19579/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19579/expansion</a>			
Code	Code System	Code System OID	Print Name
AUNT	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	aunt
BRO	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	brother
BROINLAW	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	brother-in-law
CHILD	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	child
CHLDADOPT	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	adopted child
CHLDFOST	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	foster child
CHLDINLAW	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	child-in-law
COUSN	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	cousin
DAU	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	natural daughter
DAUADOPT	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	adopted daughter
...			

**Figure 70: Family History Organizer (V3) Example**

```
<organizer moodCode="EVN" classCode="CLUSTER">
  <templateId root="2.16.840.1.113883.10.20.22.4.45" extension="2015-08-01" />
  <statusCode code="completed" />
  <subject>
    <relatedSubject classCode="PRS">
      <code code="FTH" displayName="Father" codeSystemName="HL7 FamilyMember"
codeSystem="2.16.840.1.113883.5.111">
        <translation code="9947008" displayName="Natural father"
codeSystemName="SNOMED" codeSystem="2.16.840.1.113883.6.96" />
      </code>
    </subject>
    <sdtc:id root="2.16.840.1.113883.19.5.99999.2" extension="99999999" />
    <id root="2.16.840.1.113883.19.5.99999.2" extension="1234" />
    <administrativeGenderCode code="M" codeSystem="2.16.840.1.113883.5.1" />
    <birthTime value="1910" />
    <!-- Example use of sdtc extensions :-->
    <!-- <sdtc:deceasedInd value="true"/><sdtc:deceasedTime value="1967"/>
    -->
  </subject>
</relatedSubject>
</subject>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.46" extension="2015-08-01" />
    . . .

  </observation>
</component>
</organizer>
```

### 3.24 Functional Status Observation (NHCS V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01  
(open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 166: Functional Status Observation (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Functional Status Section (NHCS V3)</a> (optional)	<a href="#">Non-Medicinal Supply Activity (V2)</a> (optional)
<a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional)
<a href="#">Functional Status Organizer (NHCS V3)</a> (required)	<a href="#">Assessment Scale Observation (NHCS V3)</a> (optional)

The C-CDA template, Functional Status Observation (V2), has been versioned in this guide to support USCDI-v3.

This template represents the patient's physical function (e.g., mobility status, instrumental activities of daily living, self-care status) and problems that limit function (dyspnea, dysphagia). The template may include assessment scale observations, identify supporting caregivers, and provide information about

non-medicinal supplies. This template is used to represent physical or developmental function of all patient populations.



**Table 167: Functional Status Observation (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-13905</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-13906</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-13889</a>	
@root	1..1	SHALL		<a href="#">5564-13890</a>	2.16.840.1.113883.10.20.22.4.67
@extension	1..1	SHALL		<a href="#">5564-32568</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-13907</a>	
code	1..1	SHALL		<a href="#">5564-13908</a>	
@code	1..1	SHALL		<a href="#">5564-31522</a>	54522-8
@codeSystem	1..1	SHALL		<a href="#">5564-31523</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">5564-13929</a>	
@code	1..1	SHALL		<a href="#">5564-19101</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">5564-13930</a>	
value	1..1	SHALL		<a href="#">5564-13932</a>	
author	0..*	SHOULD		<a href="#">5564-13936</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..1	MAY		<a href="#">5564-13892</a>	
@typeCode	1..1	SHALL		<a href="#">5564-14596</a>	REFR
supply	1..1	SHALL		<a href="#">5564-14218</a>	<a href="#">Non-Medicinal Supply Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09)</a>
entryRelationship	0..1	MAY		<a href="#">5564-13895</a>	
@typeCode	1..1	SHALL		<a href="#">5564-14597</a>	REFR

XPath	Card.	Verb	Data Type	CONF#	Value
observation	1..1	SHALL		<a href="#">5564-13897</a>	Caregiver Characteristics (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.72)
entryRelationship	0..1	MAY		<a href="#">5564-14465</a>	
@typeCode	1..1	SHALL		<a href="#">5564-14598</a>	COMP
observation	1..1	SHALL		<a href="#">5564-14466</a>	<a href="#">Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>
referenceRange	0..*	MAY		<a href="#">5564-13937</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-13905).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-13906).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-13889) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.67" (CONF:5564-13890).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32568).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-13907).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-13908).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="54522-8" Functional status (CONF:5564-31522).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-31523).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-13929).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:5564-19101).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-13930).
8. **SHALL** contain exactly one [1..1] **value** (CONF:5564-13932).
  - a. If xsi:type="CD", **SHOULD** contain a code from SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96) (CONF:5564-14234).
9. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-13936).
10. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-13892) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" refers to (CONF:5564-14596).

- b. **SHALL** contain exactly one [1..1] [Non-Medicinal Supply Activity \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09) (CONF:5564-14218).
    11. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-13895) such that it
      - a. **SHALL** contain exactly one [1..1] @**typeCode**="REFR" refers to (CONF:5564-14597).
      - b. **SHALL** contain exactly one [1..1] Caregiver Characteristics (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.72) (CONF:5564-13897).
    12. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-14465) such that it
      - a. **SHALL** contain exactly one [1..1] @**typeCode**="COMP" has component (CONF:5564-14598).
      - b. **SHALL** contain exactly one [1..1] [Assessment Scale Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01) (CONF:5564-14466).
- referenceRange could be used to represent normal or expected capability for the function being evaluated.
13. **MAY** contain zero or more [0..\*] **referenceRange** (CONF:5564-13937).

**Figure 71: Functional Status Observation (NHCS V3) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA] Functional Status Observation (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.67" extension="2025-08-01"/>
  <id root="ce7cfb78-bd16-467e-8bcf-859a3034108e" />
  <code code="54522-8" displayName="Functional status"
    codeSystem="2.16.840.1.113883.6.1" codeSystemName="SNOMED CT" />
  <text>
    <reference value="#FUNC1" />
  </text>
  <statusCode code="completed" />
  <effectiveTime value="200130311" />
  <value xsi:type="CD" code="129035000" displayName="independent with dressing"
    codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" />
</observation>
```

### 3.25 Functional Status Organizer (NHCS V3)

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 168: Functional Status Organizer (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Functional Status Section (NHCS V3)</a> (optional)	<a href="#">Self-Care Activities (ADL and IADL)</a> (required) <a href="#">Author Participation</a> (optional) <a href="#">Functional Status Observation (NHCS V3)</a> (required)

The C-CDA template, Functional Status Organizer (V2), has been versioned in this guide to support USCDI-v3.

This template groups related functional status observations into categories (e.g., mobility, self-care).

**Table 169: Functional Status Organizer (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-14355</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER
@moodCode	1..1	SHALL		<a href="#">5564-14357</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-14361</a>	
@root	1..1	SHALL		<a href="#">5564-14362</a>	2.16.840.1.113883.10.20.22.4.66
@extension	1..1	SHALL		<a href="#">5564-32569</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-14363</a>	
code	1..1	SHALL		<a href="#">5564-14364</a>	
statusCode	1..1	SHALL		<a href="#">5564-14358</a>	
@code	1..1	SHALL		<a href="#">5564-31434</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
author	0..*	SHOULD		<a href="#">5564-31585</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
component	1..*	SHALL		<a href="#">5564-14359</a>	
observation	1..1	SHALL		<a href="#">5564-14368</a>	<a href="#">Functional Status Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01)</a>
component	1..*	SHALL		<a href="#">5564-31432</a>	
observation	1..1	SHALL		<a href="#">5564-31433</a>	<a href="#">Self-Care Activities (ADL and IADL) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.128)</a>

1. **SHALL** contain exactly one [1..1] @classCode="CLUSTER" Cluster (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-14355).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-14357).

3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-14361) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.66" (CONF:5564-14362).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32569).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-14363).

The code selected should indicate the category that groups the contained functional status evaluation observations (e.g., mobility, self-care, communication).

5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-14364).
  - a. **SHOULD** be selected from ICF (codeSystem 2.16.840.1.113883.6.254) OR LOINC (2.16.840.1.113883.6.1) (CONF:5564-31417).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-14358).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:5564-31434).
7. **SHOULD** contain zero or more [0..\*] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-31585).
8. **SHALL** contain at least one [1..\*] **component** (CONF:5564-14359) such that it
  - a. **SHALL** contain exactly one [1..1] Functional Status Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01) (CONF:5564-14368).
9. **SHALL** contain at least one [1..\*] **component** (CONF:5564-31432) such that it
  - a. **SHALL** contain exactly one [1..1] Self-Care Activities (ADL and IADL) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.128) (CONF:5564-31433).

**Figure 72: Functional Status Organizer (NHCS V3) Example**

```
<organizer classCode="CLUSTER" moodCode="EVN">
  <!-- Functional Status Organizer (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.66" extension="2025-08-01" />
  <id root="a7bc1062-8649-42a0-833d-eed65bd017c9" />
  <code code="d5" displayName="Self-Care" codeSystem="2.16.840.1.113883.6.254"
codeSystemName="ICF" />
  <statusCode code="completed" />
  <author>
    ...
  </author>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <!-- Functional Status Observation (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.67" extension="2025-08-01" />
      ...
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <!-- Self-Care Activities (ADL and IADL)-->
      <templateId root="2.16.840.1.113883.10.20.22.4.128" />
      ...
    </observation>
  </component>
</organizer>
```

### 3.26 Goal Observation (NHCS V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01 (open)]

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**Table 170: Goal Observation (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Goals Section (NHCS V2)</a> (required)	<a href="#">Author Participation</a> (optional)
<a href="#">Plan of Treatment Section (NHCS V3)</a> (optional)	<a href="#">External Document Reference</a> (optional)
<a href="#">Goal Observation (NHCS V3)</a> (optional)	<a href="#">Goal Observation (NHCS V3)</a> (optional)

The C-CDA template, Goal Observation (V2), has been versioned in this guide to support USCDI-v3. This template represents a patient health goal. A Goal Observation template may have related components that are acts, encounters, observations, procedures, substance administrations, or supplies. A goal identifies a future desired condition or state. Goals are often related to physical or mental health conditions or diseases, but also may be related to a Social Determinant of Health (SDOH) risks or states. For example, to have adequate quality meals and snacks, gain transportation security - able to access health and social needs). SDOH data relate to conditions in which people live, learn, work, and play and their effects on health risks and outcomes. A Goal is established by the patient or provider.

A goal may be a patient or provider goal. If the author is set to the recordTarget (patient), this is a patient goal. If the author is set to a provider, this is a provider goal. If both patient and provider are set as authors, this is a negotiated goal.

A goal usually has a related health concern and/or risk.

A goal may have components consisting of other goals (milestones). These milestones are related to the overall goal through entryRelationships.

**Table 171: Goal Observation (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-30418</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-30419</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = GOL
templateId	1..1	SHALL		<a href="#">5564-8583</a>	
@root	1..1	SHALL		<a href="#">5564-10512</a>	2.16.840.1.113883.10.20.22.4.121
@extension	1..1	SHALL		<a href="#">5564-33359</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-32332</a>	
code	1..1	SHALL		<a href="#">5564-30784</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC)
statusCode	1..1	SHALL		<a href="#">5564-32333</a>	
@code	1..1	SHALL		<a href="#">5564-32334</a>	urn:oid:2.16.840.1.113883.1.11.15933 (ActStatus)
effectiveTime	0..1	SHOULD		<a href="#">5564-32335</a>	
value	0..1	MAY		<a href="#">5564-32743</a>	
author	0..*	SHOULD		<a href="#">5564-30995</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	MAY		<a href="#">5564-30701</a>	
@typeCode	1..1	SHALL		<a href="#">5564-30702</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-30703</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)
entryRelationship	0..*	MAY		<a href="#">5564-30704</a>	
@typeCode	1..1	SHALL		<a href="#">5564-30705</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
act	1..1	SHALL		<a href="#">5564-33357</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)
entryRelationship	0..1	SHOULD		<a href="#">5564-30785</a>	



XPath	Card.	Verb	Data Type	CONF#	Value
@typeCode	1..1	SHALL		<a href="#">5564-30786</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-30787</a>	Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143)
entryRelationship	0..*	MAY		<a href="#">5564-31448</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31449</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
observation	1..1	SHALL		<a href="#">5564-33358</a>	<a href="#">Goal Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31559</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31560</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-31588</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)
reference	0..*	MAY		<a href="#">5564-32754</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32755</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
externalDocument	1..1	SHALL		<a href="#">5564-32756</a>	<a href="#">External Document Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-30418).
2. **SHALL** contain exactly one [1..1] **@moodCode**="GOL" Goal (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-30419).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-8583) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.121" (CONF:5564-10512).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33359).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-32332).
5. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from CodeSystem LOINC (urn:oid:2.16.840.1.113883.6.1) (CONF:5564-30784).
  - a. When the Goal is Social Determinant of Health Goal, the observation/code **SHOULD** contain exactly one [1..1] code, which **SHOULD** contain exactly one [1..1]

@code="8689-2 "History of Social function" This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC 2.16.840.1.113883.6.1) (CONF:5564-33360).

6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-32333).
  - a. This statusCode **SHALL** contain exactly one [1..1] @code, which **SHALL** be selected from ValueSet ActStatus urn:oid:2.16.840.1.113883.1.11.15933 **STATIC** (CONF:5564-32334).
7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:5564-32335).
8. **MAY** contain zero or one [0..1] **value** (CONF:5564-32743).
  - a. When the Goal is Social Determinant of Health Goal, the observation/value **SHOULD** be selected from ValueSet Social Determinant of Health Goals**DYNAMIC** (CONF:5564-32963).

If the author is the recordTarget (patient), this is a patient goal. If the author is a provider, this is a provider goal. If both patient and provider are authors, this is a negotiated goal. If no author is present, it is assumed the document or section author(s) is the author of this goal.

9. **SHOULD** contain zero or more [0..\*] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-30995).

The following entryRelationship represents the relationship between a Goal Observation and a Health Concern Act (Goal Observation REFERS TO Health Concern Act). As Health Concern Act is already defined in Health Concerns Section, rather than clone the whole Health Concern Act template, an Entry Reference may be used in entryRelationship to refer the template.

10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-30701) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-30702).
  - b. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:5564-30703).

The following entryRelationship represents a planned component of the goal such as Planned Encounter (V2), Planned Observation (V2), Planned Procedure (V2), Planned Medication Activity (V2), Planned Supply (V2), Planned Act (V2) or Planned Immunization Activity. Because these entries are already described in the Interventions Section of the CDA document instance, rather than repeating the full content of the entries, the Entry Reference template may be used to reference the entries.

11. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-30704) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-30705).
  - b. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:5564-33357).

The following entryRelationship represents the priority that the patient or a provider puts on the goal.

12. **SHOULD** contain zero or one [0..1] **entryRelationship** (CONF:5564-30785) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-30786).
- b. **SHALL** contain exactly one [1..1] Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:5564-30787).

The following entryRelationship represents the relationship between two Goal Observations where the target is a component of the source (Goal Observation HAS COMPONENT Goal Observation). The component goal (target) is a Milestone.

13. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-31448) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31449).
  - b. **SHALL** contain exactly one [1..1] Goal Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01) (CONF:5564-33358).

Where a Goal Observation needs to reference another entry already described in the CDA document instance, rather than repeating the full content of the entry, the Entry Reference template may be used to reference this entry.

14. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-31559) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31560).
  - b. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:5564-31588).

Where it is necessary to reference an external clinical document such a Referral document, Discharge Summary document etc., the External Document Reference template can be used to reference this document. However, if this Care Plan document is replacing or appending another Care Plan document in the same set, that relationship is set in the header, using ClinicalDocument/relatedDocument.

15. **MAY** contain zero or more [0..\*] reference (CONF:5564-32754).
  - a. The reference, if present, **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32755).
  - b. The reference, if present, **SHALL** contain exactly one [1..1] External Document Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09) (CONF:5564-32756).

**Figure 73: Goal Observation (NHCS V3) Example**

```
<observation classCode="OBS" moodCode="GOL">
  <!-- [Updated C-CDA]Goal Observation (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.121" extension="2025-08-01"/>
  <id root="3700b3b0-fbed-11e2-b778-0800200c9a66" />
  <code code="59408-5"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"
    displayName="Oxygen saturation in Arterial blood by Pulse oximetry" />
  <statusCode code="active" />
  <effectiveTime value="20130902" />
  <value xsi:type="IVL_PQ">
    <low value="92" unit="%" />
  </value>
  <!--
  If the author is set to the recordTarget (patient), this is a patient goal.
  If the author is set to a provider, this is a provider goal.
  If both patient and provider are set as authors, this is a negotiated goal.
-->
  <!-- Provider Author -->
  <author>
    <!-- [C-CDA R2] Author Participation -->
    <templateId root="2.16.840.1.113883.10.20.22.4.119" />
    ...
  </author>
  <!-- Patient Author -->
  <author typeCode="AUT">
    <templateId root="2.16.840.1.113883.10.20.22.4.119" />
    ...
  </author>
  <!-- This entryRelationship represents the relationship "Goal REFERS TO Health Concern"
-->
  <entryRelationship typeCode="REFR">
    <act classCode="ACT" moodCode="EVN">
      <!-- [C-CDA] Entry Reference -->
      <templateId root="2.16.840.1.113883.10.20.22.4.122" />
      <!-- This id points to an already defined Health Concern in the Health Concerns
Section -->
      <id root="4eab0e52-dd7d-4285-99eb-72d32ddb195c" />
      ...
    </act>
  </entryRelationship>
  <!-- Preference that the author(s) places on the Goal -->
  <entryRelationship typeCode="RSON">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA] Priority Preference -->
      <templateId root="2.16.840.1.113883.10.20.22.4.143" />
      ...
    </observation>
  </entryRelationship>
</observation>
```

**Figure 74: Social Determinant of Health Goal Example**

```
<entry>
  <observation classCode="OBS" moodCode="GOL">
    <templateId root="2.16.840.1.113883.10.20.22.4.121" />
    <templateId root="2.16.840.1.113883.10.20.22.4.121" extension="2022-06-01"/>
    <id extension="3241"
      root="1.2.840.114350.1.13.6289.1.7.2.737179"/>
    <code code="8689-2" displayName="History of Social function"
      codeSystem="2.16.840.1.113883.5.61"
      codeSystemName="LOINC">
      <originalText>
        <reference value="#goal1"/>
      </originalText>
    </code>
    <statusCode code="active"/>
    <effectiveTime>
      <!-- The effectiveTime/low indicates the desired "Achieve by"
            date -->
      <low value="20220814"/>
      <high nullFlavor="NI"/>
      <value xsi:type="CD" code="1078229009"
        displayName="Food security (finding)"
        codeSystem="2.16.840.1.113883.6.96"
        codeSystemName="SNOMED CT"/>
    </effectiveTime>
  </observation>
</entry>
```

**Figure 75: Social Determinant of Health Text Goal Example**

```
<component>
  <section>
    <!-- Goals Section -->
    <templateId root="2.16.840.1.113883.10.20.22.2.60"/>
    <code code="61146-7" displayName="Goals" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"/>
    <title>Goals Section</title>
    <text>
      <paragraph ID="Goals">Patient wants to move into Cherry Street subsidized
housing</paragraph>
    </text>
    <entry>
      <!-- Goal Observation -->
      <observation classCode="OBS" moodCode="GOL">
        <!-- Goal Observation -->
        <templateId root="2.16.840.1.113883.10.20.22.4.121"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.121" extension="2022-06-
01"/>

        <!-- If you have an id for your goal, include here -->
        <id nullFlavor="UNK"/>
        <code nullFlavor="UNK"/>
        <text>
          <reference value="#Goals"></reference>
        </text>
        <statusCode code="active"/>
        <!-- Author could be included to indicate a patient authored goal or a
provider different than the document or section author. -->
      </observation>
    </entry>
  </section>
</component>
```

### 3.27 Handoff Communication Participants

[act: identifier urn:oid:2.16.840.1.113883.10.20.22.4.141 (open)]

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DSTU R2

**Table 172: Handoff Communication Participants Contexts**

Contained By:	Contains:
<a href="#">Plan of Treatment Section (NHCS V3)</a> (optional)	<a href="#">Author Participation</a> (required)

This template represents the sender (author) and receivers (participants) of a handoff communication in a plan of treatment. It does not convey details about the communication. The "handoff" process involves senders, those transmitting the patient's information and releasing the care of that patient to the next clinician, and receivers, those who accept the patient information and care of that patient.

**Table 173: Handoff Communication Participants Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.141)					
@classCode	1..1	SHALL		<a href="#">1098-30832</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">1098-30833</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-30834</a>	
@root	1..1	SHALL		<a href="#">1098-30835</a>	2.16.840.1.113883.10.20.22.4.141
code	1..1	SHALL		<a href="#">1098-30836</a>	
@code	1..1	SHALL		<a href="#">1098-30837</a>	432138007
@codeSystem	1..1	SHALL		<a href="#">1098-30838</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96
statusCode	1..1	SHALL		<a href="#">1098-31668</a>	
@code	1..1	SHALL		<a href="#">1098-31669</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1098-31670</a>	
author	1..*	SHALL		<a href="#">1098-31672</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	1..*	SHALL		<a href="#">1098-31673</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31674</a>	urn:oid:2.16.840.1.113883.5.110 (HL7RoleClass) = IRCP
participantRole	1..1	SHALL		<a href="#">1098-31675</a>	
id	1..*	SHALL		<a href="#">1098-32422</a>	
code	0..1	SHOULD		<a href="#">1098-31676</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
addr	1..*	SHALL		<a href="#">1098-32392</a>	
playingEntity	0..1	MAY		<a href="#">1098-32393</a>	
name	1..*	SHALL		<a href="#">1098-32394</a>	

1. **SHALL** contain exactly one [1..1] **@classCode="ACT"** Act (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-30832).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:1098-30833).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-30834) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.141"** (CONF:1098-30835).
4. **SHALL** contain exactly one [1..1] **code** (CONF:1098-30836).
  - a. This code **SHALL** contain exactly one [1..1] **@code="432138007"** handoff communication (procedure) (CONF:1098-30837).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.6.96"** (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:1098-30838).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-31668).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-31669).

The effective time is the time when the handoff process took place between the sender and receiver of the patient information. This could be the time the information was transmitted, released, or verbally communicated to the next clinician.

6. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-31670).

The Author Participant contains the sender's contact information and is a resource for the Information Recipient for any follow-up questions.

7. **SHALL** contain at least one [1..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-31672).

Documentation of the Information Recipient's name and address verifies that the information was exchanged.

8. **SHALL** contain at least one [1..\*] **participant** (CONF:1098-31673) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="IRCP"** Information Recipient (CodeSystem: HL7RoleClass urn:oid:2.16.840.1.113883.5.110) (CONF:1098-31674).
  - b. **SHALL** contain exactly one [1..1] **participantRole** (CONF:1098-31675).
    - i. This participantRole **SHALL** contain at least one [1..\*] **id** (CONF:1098-32422).
    - ii. This participantRole **SHOULD** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet [Healthcare Provider Taxonomy](#) urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC** (CONF:1098-31676).
    - iii. This participantRole **SHALL** contain at least one [1..\*] **addr** (CONF:1098-32392).
    - iv. This participantRole **MAY** contain zero or one [0..1] **playingEntity** (CONF:1098-32393).
      1. The playingEntity, if present, **SHALL** contain at least one [1..\*] **name** (CONF:1098-32394).



**Figure 76: Handoff Communication Example**

```
<entry>
  <act classCode="ACT" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.141" />
    <code code="432138007" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED
CT" displayName="handoff communication (procedure)" />
    <statusCode code="completed" />
    <effectiveTime value="20130712" />
    <author typeCode="AUT">
      <templateId root="2.16.840.1.113883.10.20.22.4.119" />
      <time value="20130730" />
      <assignedAuthor>
        <id root="d839038b-7171-4165-a760-467925b43857" />
        ...
      </assignedAuthor>
    </author>
    <participant typeCode="IRCP">
      <participantRole>
        <code code="163W00000X" codeSystem="2.16.840.1.113883.6.101"
codeSystemName="NUCC Health Care Provider Taxonomy" displayName="Registered Nurse" />
        ...
      </participantRole>
    </participant>
  </act>
</entry>
```

### 3.28 Health Concern Act (NHCS V4)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2025-08-01  
(open) ]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 174: Health Concern Act (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Health Concerns Section (NHCS V3)</a> (required)	<a href="#">Pregnancy Observation</a> (optional) <a href="#">Characteristics of Home Environment</a> (optional) <a href="#">Self-Care Activities (ADL and IADL)</a> (optional) <a href="#">Nutritional Status Observation</a> (optional) <a href="#">Nutrition Assessment</a> (optional) <a href="#">Smoking Status - Meaningful Use (V2)</a> (optional) <a href="#">Vital Sign Observation (V2)</a> (optional) <a href="#">Tobacco Use (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">External Document Reference</a> (optional) <a href="#">Family History Organizer (V3)</a> (optional) <a href="#">Longitudinal Care Wound Observation (V2)</a> (optional) <a href="#">Result Observation (V4)</a> (optional) <a href="#">Encounter Diagnosis (NHCS V4)</a> (optional) <a href="#">Result Organizer (NHCS V5)</a> (optional) <a href="#">Assessment Scale Observation (NHCS V3)</a> (optional) <a href="#">Functional Status Observation (NHCS V3)</a> (optional) <a href="#">Mental Status Observation (NHCS V4)</a> (optional) <a href="#">Problem Observation (NHCS V5)</a> (optional) <a href="#">Social History Observation (NHCS V5)</a> (optional) <a href="#">Reaction Observation (NHCS V3)</a> (optional) <a href="#">Substance or Device Allergy - Intolerance Observation (NHCS V3)</a> (optional) <a href="#">Allergy - Intolerance Observation (NHCS V3)</a> (optional) <a href="#">Hospital Admission Diagnosis (NHCS V4)</a> (optional)

The C-CDA template, Health Concern Act (V3), has been versioned in this guide to support USCDI-v3. This template represents a health concern.

It is a wrapper for a single health concern which may be derived from a variety of sources within an EHR (such as Problem List, Family History, Social History, Social Worker Note, etc.).

A Health Concern Act is used to track non-optimal physical or psychological situations drawing the patient to the healthcare system. These may be from the perspective of the care team or from the perspective of the patient.

When the underlying condition is of concern (i.e., as long as the condition, whether active or resolved, is of ongoing concern and interest), the statusCode is “active”. Only when the underlying condition is no longer of concern is the statusCode set to “completed”. The effectiveTime reflects the time that the underlying condition was felt to be a concern; it may or may not correspond to the effectiveTime of the condition (e.g., even five years later, a prior heart attack may remain a concern).

Health concerns require intervention(s) to increase the likelihood of achieving the goals of care for the patient and they specify the condition oriented reasons for creating the plan.

**Table 175: Health Concern Act (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-30750</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">5564-30751</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-30752</a>	
@root	1..1	SHALL		<a href="#">5564-30753</a>	2.16.840.1.113883.10.20.22.4.132
@extension	1..1	SHALL		<a href="#">5564-32861</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-30754</a>	
code	1..1	SHALL		<a href="#">5564-32310</a>	
@code	1..1	SHALL		<a href="#">5564-32311</a>	75310-3
@codeSystem	1..1	SHALL		<a href="#">5564-32312</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">5564-30758</a>	
@code	1..1	SHALL		<a href="#">5564-32313</a>	urn:oid:2.16.840.1.113883.11.20.9.19 (ProblemAct statusCode)
effectiveTime	0..1	MAY		<a href="#">5564-30759</a>	
author	0..*	SHOULD		<a href="#">5564-31546</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	MAY		<a href="#">5564-30761</a>	
@typeCode	1..1	SHALL		<a href="#">5564-30762</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31001</a>	<a href="#">Problem Observation (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31007</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31008</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR

XPath	Card.	Verb	Data Type	CONF#	Value
observation	1..1	SHALL		<a href="#">5564-31186</a>	<a href="#">Allergy - Intolerance Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31157</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31158</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-32106</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)
entryRelationship	0..*	MAY		<a href="#">5564-31160</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31161</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
act	1..1	SHALL		<a href="#">5564-32107</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)
entryRelationship	0..*	MAY		<a href="#">5564-31190</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31191</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31192</a>	<a href="#">Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31232</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31264</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31265</a>	<a href="#">Self-Care Activities (ADL and IADL) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.128)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31234</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31268</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31273</a>	<a href="#">Mental Status Observation (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
entryRelationship	0..*	MAY		<a href="#">5564-31235</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31269</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31275</a>	<a href="#">Smoking Status - Meaningful Use (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31236</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31270</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-31277</a>	<a href="#">Encounter Diagnosis (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31237</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31279</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
organizer	1..1	SHALL		<a href="#">5564-31280</a>	<a href="#">Family History Organizer (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.45:2015-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31238</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31282</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31283</a>	<a href="#">Functional Status Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31241</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31291</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-31292</a>	<a href="#">Hospital Admission Diagnosis (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31244</a>	
@typeCode	1..1	SHALL		<a href="#">5564-</a>	urn:oid:2.16.840.1.113883.5.1

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">31300</a>	002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31301</a>	<a href="#">Nutrition Assessment (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.138)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31246</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31306</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-31307</a>	Postprocedure Diagnosis (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.51:2015-08-01)
entryRelationship	0..*	MAY		<a href="#">5564-31247</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31309</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31310</a>	<a href="#">Pregnancy Observation (identifier: urn:oid:2.16.840.1.113883.10.20.15.3.8)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31248</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31312</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-31313</a>	Preoperative Diagnosis (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.65:2015-08-01)
entryRelationship	0..*	MAY		<a href="#">5564-31250</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31318</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31319</a>	<a href="#">Reaction Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31251</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31321</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-</a>	<a href="#">Result Observation (V4)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">31322</a>	<a href="#">(identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31252</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31324</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31325</a>	Sensory Status (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.127)
entryRelationship	0..*	MAY		<a href="#">5564-31253</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31327</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31328</a>	<a href="#">Social History Observation (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31254</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32961</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31331</a>	<a href="#">Substance or Device Allergy - Intolerance Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31255</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31333</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31334</a>	<a href="#">Tobacco Use (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31256</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31336</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31337</a>	<a href="#">Vital Sign Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-</a>	



XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">31257</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31339</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31340</a>	<a href="#">Longitudinal Care Wound Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.114:2015-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31365</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31366</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SPRT
observation	1..1	SHALL		<a href="#">5564-31367</a>	<a href="#">Problem Observation (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31368</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31369</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31370</a>	Caregiver Characteristics (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.72)
entryRelationship	0..*	MAY		<a href="#">5564-31371</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31372</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31373</a>	Cultural and Religious Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.111)
entryRelationship	0..*	MAY		<a href="#">5564-31374</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31375</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31376</a>	<a href="#">Characteristics of Home Environment (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.109)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31377</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31378</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType)

XPath	Card.	Verb	Data Type	CONF#	Value
					= REFR
observation	1..1	SHALL		<a href="#">5564-31379</a>	<a href="#">Nutritional Status Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.124)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31380</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31381</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
organizer	1..1	SHALL		<a href="#">5564-31382</a>	<a href="#">Result Organizer (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31442</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31443</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31444</a>	Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143)
entryRelationship	0..*	MAY		<a href="#">5564-31549</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31550</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-31551</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)
reference	0..*	MAY		<a href="#">5564-32757</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32758</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
externalDocument	1..1	SHALL		<a href="#">5564-32759</a>	<a href="#">External Document Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09)</a>

1. **SHALL** contain exactly one [1..1] **@classCode="ACT"** (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-30750).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-30751).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-30752) such that it

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.132" (CONF:5564-30753).
- b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32861).
- 4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-30754).
- 5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-32310).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="75310-3" Health Concern (CONF:5564-32311).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32312).
- 6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-30758).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [ProblemAct statusCode](#) urn:oid:2.16.840.1.113883.11.20.9.19 **STATIC** (CONF:5564-32313).
- 7. **MAY** contain zero or one [0..1] **effectiveTime** (CONF:5564-30759).

A health concern may be a patient or provider concern. If the author is set to the recordTarget (patient), this is a patient concern. If the author is set to a provider, this is a provider concern. If both patient and provider are set as authors, this is a concern of both the patient and the provider.

- 8. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-31546).
- 9. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-30761) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-30762).
  - b. **SHALL** contain exactly one [1..1] [Problem Observation \(NHCS V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01) (CONF:5564-31001).
- 10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31007) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31008).
  - b. **SHALL** contain exactly one [1..1] [Allergy - Intolerance Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01) (CONF:5564-31186).

The following entryRelationship represents the relationship between two Health Concern Acts where there is a general relationship between the source and the target (Health Concern REFERS TO Health Concern). For example, a patient has 2 health concerns identified in a CARE Plan: Failure to Thrive and Poor Feeding, while it could be that one may have caused the other, at the time of care planning and documentation it is not necessary, nor desirable to have to assert what caused what. The Entry Reference template is used here because the target Health Concern Act will be defined elsewhere in the Health Concerns Section and thus a reference to that template is all that is required.

- 11. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31157) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31158).
- b. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:5564-32106).
  - i. The Entry Reference template **SHALL** contain an id that references a Health Concern Act (CONF:5564-32860).

The following entryRelationship represents the relationship between two Health Concern Acts where the target is a component of the source (Health Concern HAS COMPONENT Health Concern). For example, a patient has an Impaired Mobility Health Concern. There may then be the need to document several component health concerns, such as "Unable to Transfer Bed to Chair", "Unable to Rise from Commode", "Short of Breath Walking with Walker". The Entry Reference template is used here because the target Health Concern Act will be defined elsewhere in the Health Concerns Section and thus a reference to that template is all that is required.

- 12. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-31160) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31161).
  - b. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:5564-32107).
    - i. The Entry Reference template **SHALL** contain an id that references a Health Concern Act (CONF:5564-32745).
- 13. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-31190) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31191).
  - b. **SHALL** contain exactly one [1..1] [Assessment Scale Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01) (CONF:5564-31192).
- 14. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-31232) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31264).
  - b. **SHALL** contain exactly one [1..1] [Self-Care Activities \(ADL and IADL\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.128) (CONF:5564-31265).
- 15. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-31234) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31268).
  - b. **SHALL** contain exactly one [1..1] [Mental Status Observation \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01) (CONF:5564-31273).
- 16. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-31235) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31269).
  - b. **SHALL** contain exactly one [1..1] [Smoking Status - Meaningful Use \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09) (CONF:5564-31275).
- 17. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31236) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31270).
  - b. **SHALL** contain exactly one [1..1] [Encounter Diagnosis \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01) (CONF:5564-31277).
- 18. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31237) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers To (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31279).
  - b. **SHALL** contain exactly one [1..1] [Family History Organizer \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.45:2015-08-01) (CONF:5564-31280).
- 19. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31238) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31282).
  - b. **SHALL** contain exactly one [1..1] [Functional Status Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01) (CONF:5564-31283).
- 20. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31241) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31291).
  - b. **SHALL** contain exactly one [1..1] [Hospital Admission Diagnosis \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2025-08-01) (CONF:5564-31292).
- 21. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31244) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31300).
  - b. **SHALL** contain exactly one [1..1] [Nutrition Assessment](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.138) (CONF:5564-31301).
- 22. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31246) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31306).

- b. **SHALL** contain exactly one [1..1] Postprocedure Diagnosis (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.51:2015-08-01) (CONF:5564-31307).
- 23. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31247) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31309).
  - b. **SHALL** contain exactly one [1..1] [Pregnancy Observation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.15.3.8) (CONF:5564-31310).
- 24. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31248) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31312).
  - b. **SHALL** contain exactly one [1..1] Preoperative Diagnosis (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.65:2015-08-01) (CONF:5564-31313).
- 25. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31250) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31318).
  - b. **SHALL** contain exactly one [1..1] [Reaction Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01) (CONF:5564-31319).
- 26. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31251) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31321).
  - b. **SHALL** contain exactly one [1..1] [Result Observation \(V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01) (CONF:5564-31322).
- 27. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31252) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31324).
  - b. **SHALL** contain exactly one [1..1] Sensory Status (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.127) (CONF:5564-31325).
- 28. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31253) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31327).
  - b. **SHALL** contain exactly one [1..1] [Social History Observation \(NHCS V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01) (CONF:5564-31328).
- 29. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31254) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32961).
  - b. **SHALL** contain exactly one [1..1] Substance or Device Allergy - Intolerance Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01) (CONF:5564-31331).
30. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31255) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31333).
  - b. **SHALL** contain exactly one [1..1] Tobacco Use (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09) (CONF:5564-31334).
31. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31256) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31336).
  - b. **SHALL** contain exactly one [1..1] Vital Sign Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09) (CONF:5564-31337).
32. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31257) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31339).
  - b. **SHALL** contain exactly one [1..1] Longitudinal Care Wound Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.114:2015-08-01) (CONF:5564-31340).

The following entryRelationship represents the relationship Health Concern HAS SUPPORT Observation.

33. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31365) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="SPRT" Has support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31366).
  - b. **SHALL** contain exactly one [1..1] Problem Observation (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01) (CONF:5564-31367).
34. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31368) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31369).
  - b. **SHALL** contain exactly one [1..1] Caregiver Characteristics (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.72) (CONF:5564-31370).
35. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31371) such that it



- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31372).
  - b. **SHALL** contain exactly one [1..1] Cultural and Religious Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.111) (CONF:5564-31373).
36. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31374) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31375).
  - b. **SHALL** contain exactly one [1..1] Characteristics of Home Environment (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.109) (CONF:5564-31376).
37. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31377) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31378).
  - b. **SHALL** contain exactly one [1..1] Nutritional Status Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.124) (CONF:5564-31379).
38. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31380) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31381).
  - b. **SHALL** contain exactly one [1..1] Result Organizer (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01) (CONF:5564-31382).

The following entryRelationship represents the priority that the patient or a provider puts on the health concern.

39. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31442) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31443).
  - b. **SHALL** contain exactly one [1..1] Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:5564-31444).

Where a Health Concern needs to reference another entry already described in the CDA document instance, rather than repeating the full content of the entry, the Entry Reference template may be used to reference this entry.

40. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31549) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31550).
  - b. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:5564-31551).



Where it is necessary to reference an external clinical document such as a Referral document, Discharge Summary document etc., the External Document Reference template can be used to reference this document. However, if this Care Plan document is replacing or appending another Care Plan document in the same set, that relationship is set in the header, using ClinicalDocument/relatedDocument.

41. **MAY** contain zero or more [0..\*] **reference** (CONF:5564-32757).
- a. The reference, if present, **SHALL** contain exactly one [1..1] @**typeCode**="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32758).
  - b. The reference, if present, **SHALL** contain exactly one [1..1] External Document Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09) (CONF:5564-32759).
42. When this Health Concern Act is a Social Determinant of Health Health Concern it **SHOULD** contain zero or more [0..\*] entryRelationship subentries such that it contains an observation with an observation/value selected from ValueSet Social Determinant of Health Conditions 2.16.840.1.113762.1.4.1196.788**DYNAMIC** (CONF:5564-32962).

**Figure 77: Health Concern Act (NHCS V4) Example**

```
<act classCode="ACT" moodCode="EVN">
<!-- [Updated C-CDA] Health Concern Act (NHCS V4) -->
<templateId root="2.16.840.1.113883.10.20.22.4.132" extension="2025-08-01"/>
  <id root="4eab0e52-dd7d-4285-99eb-72d32ddb195c" />
  <code code="75310-3"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"
    displayName="Health Concern" />
  <!-- This Health Concern has a statusCode of active because it is an active concern -->
  <statusCode code="active" />
  <!-- The effective time is the date that the Health Concern started being followed -
    this does not necessarily correlate to the onset date of the contained health issues--
  >
  <effectiveTime value="20130616" />
  <!-- Health Concern: Current every day smoker-->
  <entryRelationship typeCode="REFR">
    <!-- [C-CDA R2] Tobacco Use (V2) -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.85" extension="2014-06-09" />
      ...
    </observation>
  </entryRelationship>
  <!-- Health Concern Problem: Respiratory insufficiency -->
  <entryRelationship typeCode="REFR">
    <!-- Problem Observation (NHCS V5) -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01" />
      ...
    </observation>
  </entryRelationship>
  <!--
    This is an entry relationship of the SPRT (support) type which shows
    that the productive cough supports the Health Concern (Problem: Respiratory
    Insufficiency and Diagnosis: Pneumonia
    This entryRelationship represents the relationship:
    Health Concern HAS SUPPORT Observation
  -->
  <entryRelationship typeCode="SPRT">
    <!-- Problem Observation (NHCS V5) -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01" />
      ...
    </observation>
  </entryRelationship>
  <!-- Priority Preference -->
  <entryRelationship typeCode="RSON">
    <!-- Priority Preference - this is the preference that the patient
      (specified by the Author Participation template)
      places on the Health Concern -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.143" />
      ...
    </observation>
  </entryRelationship>
  <!-- Priority Preference - this is the preference that the provider
```

```
(specified by the Author Participation template)
places on the Health Concern -->
<entryRelationship typeCode="RSON">
  <!-- Priority Preference -->
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.143" />
    ...
  </observation>
</entryRelationship>
</act>
```

**Figure 78: Health Concern Act wrapping Social Determinant of Health Problem Observation Example**

```

<!-- The Health Concern act -->
<act classCode="ACT" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.132"/>
  <templateId root="2.16.840.1.113883.10.20.22.4.132"
    extension="2015-08-01"/>
  <templateId root="2.16.840.1.113883.10.20.22.4.132"
    extension="2022-06-01"/>
  <id root="1.3.6.1.4.1.22812.4.222.334.4.32" extension="1148128"/>
  <code code="75310-3" displayName="Health concerns Document"
    codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
  <statusCode code="active"/>
  <entryRelationship typeCode="REFR">
    <!-- The Health Concern's (SDOH) Problem Observation wrapped by the Health Concern
act -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.4"
        extension="2015-08-01"/>
      <templateId root="2.16.840.1.113883.10.20.22.4.4"/>
      <id extension="1148128"
        root="1.3.6.1.4.1.22812.4.222.334.4.1.2.1"/>
      <code code="404684003"
        displayName="Clinical Finding (finding)"
        codeSystem="2.16.840.1.113883.6.96"
        codeSystemName="SNOMED CT">
        <translation code="75321-0"
          displayName="Clinical Finding"
          codeSystem="2.16.840.1.113883.6.1"
          codeSystemName="LOINC"/>
      </code>
      <text>
        <reference
          value="#_delab32d-dd06-40c0-b7c2-5fed94e4ecd6"/>
      </text>
      <statusCode code="completed"/>
      <effectiveTime xsi:type="IVL_TS">
        <low value="20180701"/>
        <!-- The high value has a nullFlavor of "NI" (No Information) because it is
an ongoing finding -->
        <high nullFlavor="NI"/>
      </effectiveTime>
      <value xsi:type="CD" code="733423003"
        displayName="Food insecurity (finding)"
        codeSystem="2.16.840.1.113883.6.96"
        codeSystemName="SNOMED CT">
        <originalText>
          <reference value="#_HealthConcern1"/>
        </originalText>
      </value>
    </observation>
  </entryRelationship>
</act>

```

### 3.29 Highest Pressure Ulcer Stage

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.77 (open)]

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DSTU R1.1

**Table 176: Highest Pressure Ulcer Stage Contexts**

Contained By:	Contains:
<a href="#">Longitudinal Care Wound Observation (V2)</a> (optional)	

This observation contains a description of the wound tissue of the most severe or highest staged pressure ulcer observed on a patient.

**Table 177: Highest Pressure Ulcer Stage Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.77)					
@classCode	1..1	SHALL		<a href="#">81-14726</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">81-14727</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">81-14728</a>	
@root	1..1	SHALL		<a href="#">81-14729</a>	2.16.840.1.113883.10.20.22.4.77
id	1..*	SHALL		<a href="#">81-14730</a>	
code	1..1	SHALL		<a href="#">81-14731</a>	
@code	1..1	SHALL		<a href="#">81-14732</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 420905001
value	1..1	SHALL		<a href="#">81-14733</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-14726).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-14727).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-14728) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.77" (CONF:81-14729).
4. **SHALL** contain at least one [1..\*] **id** (CONF:81-14730).
5. **SHALL** contain exactly one [1..1] **code** (CONF:81-14731).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="420905001" Highest Pressure Ulcer Stage (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96 **STATIC**) (CONF:81-14732).
6. **SHALL** contain exactly one [1..1] **value** (CONF:81-14733).

**Figure 79: Highest Pressure Ulcer Stage Example**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.77"/>
  <id root="08edb7c0-2111-43f2-a784-9a5fdfaa67f0"/>
  <code code="420905001" codeSystem="2.16.840.1.113883.6.96"
    displayName="Highest Pressure Ulcer Stage"/>
  <statusCode code="completed"/>
  <value xsi:type="CD" code="421306004"
    codeSystem="2.16.840.1.113883.6.96"
    displayName="necrotic eschar"/>
</observation>
```

### 3.30 Hospital Admission Diagnosis (NHCS V4)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 178: Hospital Admission Diagnosis (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Problem Observation (NHCS V5)</a> (required)

The C-CDA template, Hospital Admission Diagnosis (V3), has been versioned in this guide to support USCDI-v3.

This template represents problems or diagnoses identified by the clinician at the time of the patient's admission.

This Hospital Admission Diagnosis act may contain more than one Problem Observation to represent multiple diagnoses for a Hospital Admission.

**Table 179: Hospital Admission Diagnosis (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-7671</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">5564-7672</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-16747</a>	
@root	1..1	SHALL		<a href="#">5564-16748</a>	2.16.840.1.113883.10.20.22.4.34
@extension	1..1	SHALL		<a href="#">5564-32535</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-19145</a>	
@code	1..1	SHALL		<a href="#">5564-19146</a>	46241-6
@codeSystem	1..1	SHALL		<a href="#">5564-32162</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
entryRelationship	1..*	SHALL		<a href="#">5564-7674</a>	
@typeCode	1..1	SHALL		<a href="#">5564-7675</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
observation	1..1	SHALL		<a href="#">5564-15535</a>	<a href="#">Problem Observation (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-7671).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-7672).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-16747) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.34" (CONF:5564-16748).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32535).
4. **SHALL** contain exactly one [1..1] **code** (CONF:5564-19145).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="46241-6" Admission diagnosis (CONF:5564-19146).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32162).
5. **SHALL** contain at least one [1..\*] **entryRelationship** (CONF:5564-7674) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-7675).
- b. **SHALL** contain exactly one [1..1] [Problem Observation \(NHCS V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01) (CONF:5564-15535).

**Figure 80: Hospital Admission Diagnosis (NHCS V4) Example**

```
<act classCode="ACT" moodCode="EVN">
  <!-- [Updated C-CDA] Hospital Admission Diagnosis (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.34" extension="2025-08-01" />
  <id root="5a784260-6856-4f38-9638-80c751aff2fb" />
  <code code="46241-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Hospital Admission Diagnosis" />
  <statusCode code="active" />
  <effectiveTime>
    <low value="20090303" />
  </effectiveTime>
  <entryRelationship typeCode="SUBJ" inversionInd="false">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
      ...
    </observation>
  </entryRelationship>
</act>
```

### 3.31 Immunization Activity (NHCS V4)

[substanceAdministration: identifier  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 180: Immunization Activity (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Immunizations Section (entries required) (NHCS V4)</a> (required) <a href="#">Immunizations Section (entries optional) (NHCS V4)</a> (optional)	<a href="#">Drug Vehicle</a> (optional) <a href="#">Immunization Refusal Reason</a> (optional) <a href="#">Indication (V2)</a> (optional) <a href="#">Medication Supply Order (V2)</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Substance Administered Act</a> (optional) <a href="#">Immunization Medication Information (V2)</a> (required) <a href="#">Medication Dispense (V3)</a> (optional) <a href="#">Reaction Observation (NHCS V3)</a> (optional)

The C-CDA template, Immunization Activity (V3), has been versioned in this guide to support USCDI-v3.



An Immunization Activity describes immunization substance administrations that have actually occurred or are intended to occur. Immunization Activities in "INT" mood are reflections of immunizations a clinician intends a patient to receive. Immunization Activities in "EVN" mood reflect immunizations actually received.

An Immunization Activity is very similar to a Medication Activity with some key differentiators. The drug code system is constrained to CVX codes. Administration timing is less complex. Patient refusal reasons should be captured. All vaccines administered should be fully documented in the patient's permanent medical record. Healthcare providers who administer vaccines covered by the National Childhood Vaccine Injury Act are required to ensure that the permanent medical record of the recipient indicates:

- Date of administration
- Vaccine manufacturer
- Vaccine lot number
- Name and title of the person who administered the vaccine and the address of the clinic or facility where the permanent record will reside
- Vaccine information statement (VIS)  
Date printed on the VIS Date VIS given to patient or parent/guardian.

This information should be included in an Immunization Activity when available. (Reference: [<https://www.cdc.gov/vaccines/pubs/pinkbook/downloads/appendices/c/vis-instruct.pdf>])

**Table 181: Immunization Activity (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
substanceAdministration (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-8826</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = SBADM
@moodCode	1..1	SHALL		<a href="#">5564-8827</a>	urn:oid:2.16.840.1.113883.11.20.9.18 (MoodCodeEvnInt)
@negationInd	1..1	SHALL		<a href="#">5564-8985</a>	
templateId	1..1	SHALL		<a href="#">5564-8828</a>	
@root	1..1	SHALL		<a href="#">5564-10498</a>	2.16.840.1.113883.10.20.22.4.52
@extension	1..1	SHALL		<a href="#">5564-32528</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-8829</a>	
code	0..1	MAY		<a href="#">5564-8830</a>	
statusCode	1..1	SHALL		<a href="#">5564-8833</a>	
@code	1..1	SHALL		<a href="#">5564-32359</a>	urn:oid:2.16.840.1.113883.1.11.15933 (ActStatus)
effectiveTime	1..1	SHALL		<a href="#">5564-8834</a>	
repeatNumber	0..1	MAY		<a href="#">5564-8838</a>	
routeCode	0..1	MAY		<a href="#">5564-8839</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.7 (SPL Drug Route of Administration Terminology)
translation	0..*	SHOULD		<a href="#">5564-32960</a>	
@code	1..1	SHALL		<a href="#">5564-32970</a>	urn:oid:2.16.840.1.113762.1.4.1099.12 (Medication Route)
approachSiteCode	0..1	MAY	SET<CD>	<a href="#">5564-8840</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 (Body Site Value Set)
doseQuantity	0..1	SHOULD		<a href="#">5564-8841</a>	
@unit	0..1	SHOULD		<a href="#">5564-8842</a>	urn:oid:2.16.840.1.113883.1.11.12839 (UnitsOfMeasureCaseSensitive)
administrationUnitCode	0..1	MAY		<a href="#">5564-8846</a>	urn:oid:2.16.840.1.113762.1.4.1021.30 (AdministrationUnitDoseForm)

XPath	Card.	Verb	Data Type	CONF#	Value
consumable	1..1	SHALL		<a href="#">5564-8847</a>	
manufacturedProduct	1..1	SHALL		<a href="#">5564-15546</a>	<a href="#">Immunization Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09)</a>
performer	0..1	SHOULD		<a href="#">5564-8849</a>	
author	0..*	SHOULD		<a href="#">5564-31151</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	0..*	MAY		<a href="#">5564-8850</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8851</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = CSM
participantRole	1..1	SHALL		<a href="#">5564-15547</a>	<a href="#">Drug Vehicle (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.24)</a>
entryRelationship	0..*	MAY		<a href="#">5564-8853</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8854</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">5564-15537</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>
entryRelationship	0..1	MAY		<a href="#">5564-8856</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8857</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-8858</a>	true
act	1..1	SHALL		<a href="#">5564-31392</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>
entryRelationship	0..1	MAY		<a href="#">5564-8860</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8861</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
supply	1..1	SHALL		<a href="#">5564-15539</a>	<a href="#">Medication Supply Order (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
entryRelationship	0..1	MAY		<a href="#">5564-8863</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8864</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
supply	1..1	SHALL		<a href="#">5564-15540</a>	<a href="#">Medication Dispense (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01)</a>
entryRelationship	0..1	MAY		<a href="#">5564-8866</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8867</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = CAUS
observation	1..1	SHALL		<a href="#">5564-15541</a>	<a href="#">Reaction Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01)</a>
entryRelationship	0..1	MAY		<a href="#">5564-8988</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8989</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">5564-15542</a>	<a href="#">Immunization Refusal Reason (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.53)</a>
entryRelationship	0..*	SHOULD		<a href="#">5564-31510</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31511</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
@inversionInd	1..1	SHALL		<a href="#">5564-31512</a>	true
sequenceNumber	0..1	MAY		<a href="#">5564-31513</a>	
act	1..1	SHALL		<a href="#">5564-31514</a>	<a href="#">Substance Administered Act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.118)</a>
precondition	0..*	MAY		<a href="#">5564-8869</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8870</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = PRCN
criterion	1..1	SHALL		<a href="#">5564-15548</a>	Precondition for Substance Administration (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1

XPath	Card.	Verb	Data Type	CONF#	Value
					0.20.22.4.25:2014-06-09

1. **SHALL** contain exactly one [1..1] **@classCode**="SBADM" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-8826).
2. **SHALL** contain exactly one [1..1] **@moodCode**, which **SHALL** be selected from ValueSet [MoodCodeEvnInt](#) urn:oid:2.16.840.1.113883.11.20.9.18 **STATIC** (CONF:5564-8827).
3. **SHALL** contain exactly one [1..1] **@negationInd** (CONF:5564-8985).  
Note: Use negationInd="true" to indicate that the immunization was not given.
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-8828) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.52" (CONF:5564-10498).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32528).
5. **SHALL** contain at least one [1..\*] **id** (CONF:5564-8829).
6. **MAY** contain zero or one [0..1] **code** (CONF:5564-8830).  
Note: SubstanceAdministration.code is an optional field. Per HL7 Pharmacy Committee, "this is intended to further specify the nature of the substance administration act. To date the committee has made no use of this attribute". Because the type of substance administration is generally implicit in the routeCode, in the consumable participant, etc., the field is generally not used and there is no defined value set.
7. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-8833).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [ActStatus](#) urn:oid:2.16.840.1.113883.1.11.15933 **DYNAMIC** (CONF:5564-32359).
8. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-8834).  
  
In "INT" (intent) mood, the repeatNumber defines the number of allowed administrations. For example, a repeatNumber of "3" means that the substance can be administered up to 3 times. In "EVN" (event) mood, the repeatNumber is the number of occurrences. For example, a repeatNumber of "3" in a substance administration event means that the current administration is the 3rd in a series.
9. **MAY** contain zero or one [0..1] **repeatNumber** (CONF:5564-8838).
10. **MAY** contain zero or one [0..1] **routeCode**, which **SHALL** be selected from ValueSet [SPL Drug Route of Administration Terminology](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.7 **DYNAMIC** (CONF:5564-8839).
  - a. The routeCode, if present, **SHOULD** contain zero or more [0..\*] **translation** (CONF:5564-32960) such that it
    - i. **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [Medication Route](#) urn:oid:2.16.840.1.113762.1.4.1099.12 **DYNAMIC** (CONF:5564-32970).
11. **MAY** contain zero or one [0..1] **approachSiteCode**, where the code **SHALL** be selected from ValueSet [Body Site Value Set](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 **DYNAMIC** (CONF:5564-8840).
12. **SHOULD** contain zero or one [0..1] **doseQuantity** (CONF:5564-8841).

NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units

- a. The doseQuantity, if present, **SHOULD** contain zero or one [0..1] @unit, which **SHOULD** be selected from ValueSet [UnitsOfMeasureCaseSensitive](#) urn:oid:2.16.840.1.113883.1.11.12839 **DYNAMIC** (CONF:5564-8842).
13. **MAY** contain zero or one [0..1] administrationUnitCode, which **SHALL** be selected from ValueSet [AdministrationUnitDoseForm](#) urn:oid:2.16.840.1.113762.1.4.1021.30 **DYNAMIC** (CONF:5564-8846).
14. **SHALL** contain exactly one [1..1] consumable (CONF:5564-8847).
  - a. This consumable **SHALL** contain exactly one [1..1] [Immunization Medication Information \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09) (CONF:5564-15546).
15. **SHOULD** contain zero or one [0..1] performer (CONF:5564-8849).
16. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-31151).
17. **MAY** contain zero or more [0..\*] participant (CONF:5564-8850) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="CSM" (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:5564-8851).
  - b. **SHALL** contain exactly one [1..1] [Drug Vehicle](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.24) (CONF:5564-15547).
18. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-8853) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="RSON" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8854).
  - b. **SHALL** contain exactly one [1..1] [Indication \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:5564-15537).
19. **MAY** contain zero or one [0..1] entryRelationship (CONF:5564-8856) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8857).
  - b. **SHALL** contain exactly one [1..1] @inversionInd="true" True (CONF:5564-8858).
  - c. **SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:5564-31392).
20. **MAY** contain zero or one [0..1] entryRelationship (CONF:5564-8860) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8861).
  - b. **SHALL** contain exactly one [1..1] [Medication Supply Order \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09) (CONF:5564-15539).
21. **MAY** contain zero or one [0..1] entryRelationship (CONF:5564-8863) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8864).
  - b. **SHALL** contain exactly one [1..1] [Medication Dispense \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01) (CONF:5564-15540).
22. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-8866) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="CAUS" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8867).
  - b. **SHALL** contain exactly one [1..1] [Reaction Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01) (CONF:5564-15541).
23. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-8988) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="RSON" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8989).
  - b. **SHALL** contain exactly one [1..1] [Immunization Refusal Reason](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.53) (CONF:5564-15542).
- The following entryRelationship is used to indicate a given immunization's order in a series. The nested Substance Administered Act identifies an administration in the series. The entryRelationship/sequenceNumber shows the order of this particular administration in that series.
24. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31510) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31511).
  - b. **SHALL** contain exactly one [1..1] @inversionInd="true" (CONF:5564-31512).
  - c. **MAY** contain zero or one [0..1] **sequenceNumber** (CONF:5564-31513).
  - d. **SHALL** contain exactly one [1..1] [Substance Administered Act](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.118) (CONF:5564-31514).
25. **MAY** contain zero or more [0..\*] **precondition** (CONF:5564-8869) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="PRCN" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8870).
  - b. **SHALL** contain exactly one [1..1] Precondition for Substance Administration (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.25:2014-06-09) (CONF:5564-15548).

**Table 182: SPL Drug Route of Administration Terminology**

<p>Value Set: SPL Drug Route of Administration Terminology urn:oid:2.16.840.1.113883.3.88.12.3221.8.7            (Clinical Focus: The set of route of administration concepts that may be used in structured product labeling.), (Data Element Scope: Ordered, administered, medication route), (Inclusion Criteria: Selected concepts that are descendent of C38114 as determined by the FDA. These concepts are linked to "SPL Drug Route of Administration Terminology (Code C54455)" by Concept_In_Subset.), (Exclusion Criteria: As determined by the FDA those routes not to be used in SPL (navigational concepts, etc.))</p> <p>This value set was imported on 10/24/2024 with a version of Latest.</p> <p>Value Set Source:  <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.8.7/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.8.7/expansion</a></p>			
Code	Code System	Code System OID	Print Name
C128997	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Suprachoroidal Route of Administration
C132737	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Intracanalicular Route of Administration
C28161	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Intramuscular Route of Administration
C38192	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Auricular Route of Administration
C38193	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Buccal Route of Administration
C38194	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Conjunctival Route of Administration
C38197	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Dental Route of Administration
C38198	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Soft Tissue Route of Administration
C38200	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Administration via Hemodialysis
C38203	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Iontophoresis Route of Administration
...			



**Table 183: UnitsOfMeasureCaseSensitive**

Value Set: UnitsOfMeasureCaseSensitive urn:oid:2.16.840.1.113883.1.11.12839 (Clinical Focus: Common UCUM units. This value set is based on the Common UCUM set.),(Data Element Scope: unit of measure),(Inclusion Criteria: all valid UCUM units case sensitive),(Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12839/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12839/expansion</a>			
Code	Code System	Code System OID	Print Name
%	UCUM	urn:oid:2.16.840.1.113883.6.8	percent
%{Hb}	UCUM	urn:oid:2.16.840.1.113883.6.8	percent hemoglobin
%{RBCs}	UCUM	urn:oid:2.16.840.1.113883.6.8	percent of red blood cells
%{WBCs}	UCUM	urn:oid:2.16.840.1.113883.6.8	percent of white blood cells
%{abnormal}	UCUM	urn:oid:2.16.840.1.113883.6.8	percent abnormal
%{activity}	UCUM	urn:oid:2.16.840.1.113883.6.8	percent activity
%{aggregation}	UCUM	urn:oid:2.16.840.1.113883.6.8	percent aggregation
%{at_60_min}	UCUM	urn:oid:2.16.840.1.113883.6.8	percent at 60 minute
%{bacteria}	UCUM	urn:oid:2.16.840.1.113883.6.8	percent of bacteria
%{basal_activity}	UCUM	urn:oid:2.16.840.1.113883.6.8	percent basal activity
...			

**Table 184: MoodCodeEvnInt**

Value Set: MoodCodeEvnInt urn:oid:2.16.840.1.113883.11.20.9.18 (Clinical Focus: Subset of HL7 ActMood codes, constrained to represent event (EVN) and intent (INT) moods.),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.18/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.18/expansion</a>			
Code	Code System	Code System OID	Print Name
EVN	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	event (occurrence)
INT	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	intent

**Table 185: Medication Route**

Value Set: Medication Route urn:oid:2.16.840.1.113762.1.4.1099.12 (Clinical Focus: Terms used to describe the path by which a substance is taken into the body.), (Data Element Scope: ), (Inclusion Criteria: All SNOMED_CT values descending from 284009009 route of administration value), (Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.12/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.12/expansion</a>			
Code	Code System	Code System OID	Print Name
10547007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Otic route (qualifier value)
12130007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Intra-articular route (qualifier value)
1254769004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Suprachoroidal route (qualifier value)
1259221004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Intracorporus cavernosum route (qualifier value)
127490009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Gastrostomy route (qualifier value)
127491008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Jejunostomy route (qualifier value)
127492001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Nasogastric route (qualifier value)
1611000175109	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Sublesional route (qualifier value)
16857009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Vaginal route (qualifier value)
26643006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Oral route (qualifier value)
...			

**Table 186: Body Site Value Set**

Value Set: Body Site Value Set urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 (Clinical Focus: All SNOMED CT anatomic structures, locations, abnormal structures that can be considered to describe an anatomical site.), (Data Element Scope: data element describing body location), (Inclusion Criteria: SNOMED CT concepts descending from the Anatomical Structure (91723000) or Acquired body structure (body structure) (280115004) or Anatomical site notations for tumor staging (body structure) (258331007) or Body structure, altered from its original anatomical structure (morphologic abnormality) (118956008) or Physical anatomical entity (body structure) (91722005)), (Exclusion Criteria: none)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.8.9/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.8.9/expansion</a>			
Code	Code System	Code System OID	Print Name
10013000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Lateral meniscus structure (body structure)
10024003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Structure of base of lung (body structure)
10025002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Structure of base of phalanx of index finger (body structure)
10026001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Structure of ventral spinocerebellar tract of pons (body structure)
1003500000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Osteoporotic compression fracture (morphologic abnormality)
1003544002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Structure of intra-articular fibrocartilage (body structure)
1003545001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Entire intra-articular fibrocartilage (body structure)
10036009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Structure of nucleus pulposus of intervertebral disc of eighth thoracic vertebra (body structure)
1003609005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Periarticular bone structure of metacarpophalangeal joint (body structure)
1003610000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Entire periarticular bone of metacarpophalangeal joint (body structure)
...			

**Table 187: AdministrationUnitDoseForm**

<p>Value Set: AdministrationUnitDoseForm urn:oid:2.16.840.1.113762.1.4.1021.30</p> <p>(Clinical Focus: Codes that are similar to a drug "form" but limited to those used as units when describing drug administration when the drug item is a physical form that is continuous and therefore not administered as an "each" of the physical form, or is not using standard measurement units (inch, ounce, gram, etc.) This set does not include unit concepts that mimic "physical form" concepts that can be counted using "each", such as tablet, bar, lozenge, packet, etc.),(Data Element Scope: C-CDA substanceAdministration/administrationUnitCode),(Inclusion Criteria: Unit concepts describing drug administration when the drug item is not administered as an "each" of the physical form, or is not using standard measurement units (inch, ounce, gram, etc.) Concepts have a "Concept_In_Subset" relationship to "SPL Unit of Presentation Terminology" (Code C87300)),(Exclusion Criteria: This set does not include unit concepts that mimic "physical form" concepts that can be counted using "each", such as tablet, bar, lozenge, packet, etc. Does not include standard measurement units (inch, ounce, gram, etc.))</p> <p>This value set was imported on 10/24/2024 with a version of Latest.</p> <p>Value Set Source:  <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.30/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.30/expansion</a></p>			
Code	Code System	Code System OID	Print Name
C102405	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Capful Dosing Unit
C122629	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Actuation Dosing Unit
C122631	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Dropperful Dosing Unit
C25397	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Application Unit
C44278	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Unit
C48491	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Metric Drop
C48501	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Inhalation Dosing Unit
C48536	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Scoopful Dosing Unit
C48537	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Spray Dosing Unit
C65060	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Puff Dosing Unit
...			

**Figure 81: Immunization Activity (NHCS V4) Example**

```

<substanceAdministration classCode="SBADM" moodCode="EVN" negationInd="false">
  <!-- [Updated C-CDA R2.1] Immunization Activity (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.52" extension="2025-08-01"/>
  <id root="e6f1ba43-c0ed-4b9b-9f12-f435d8ad8f92" />
  <statusCode code="completed" />
  <effectiveTime value="19981215" />
  <routeCode code="C28161" codeSystem="2.16.840.1.113883.3.26.1.1"
    codeSystemName="National Cancer Institute (NCI) Thesaurus"
    displayName="Intramuscular injection" />
  <doseQuantity value="50" unit="ug" />
  <consumable>
    <manufacturedProduct classCode="MANU">
      <!-- [C-CDA R2] Immunization Medication Information (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.54" extension="2014-06-09" />
      <manufacturedMaterial>
        <code code="33" codeSystem="2.16.840.1.113883.12.292"
          displayName="Pneumococcal polysaccharide vaccine"
          codeSystemName="CVX">
          <translation code="854981"
            displayName="Pneumovax 23 (Pneumococcal vaccine polyvalent)
Injectable Solution"
            codeSystemName="RxNORM"
            codeSystem="2.16.840.1.113883.6.88" />
          </code>
          <lotNumberText>1</lotNumberText>
        </manufacturedMaterial>
        <manufacturerOrganization>
          <name>Health LS - Immuno Inc.</name>
        </manufacturerOrganization>
      </manufacturedProduct>
    </consumable>
    <performer>
      <assignedEntity>
        <id root="2.16.840.1.113883.19.5.9999.456" extension="2981824" />
        <addr>
          ...
        </addr>
        <telecom use="WP" value="tel: +(555)-555-1030" />
        <assignedPerson>
          ...
        </assignedPerson>
        <representedOrganization>
          <id root="2.16.840.1.113883.19.5.9999.1394" />
          <name>Good Health Clinic</name>
          <telecom use="WP" value="tel: +(555)-555-1030" />
          <addr>
            ...
          </addr>
        </representedOrganization>
      </assignedEntity>
    </performer>
  </substanceAdministration>

```

### 3.32 Immunization Medication Information (V2)

[manufacturedProduct: identifier  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09 (open)]

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DSTU R2

Table 188: Immunization Medication Information (V2) Contexts

Contained By:	Contains:
<a href="#">Planned Supply (V2)</a> (optional) <a href="#">Medication Supply Order (V2)</a> (optional) <a href="#">Planned Immunization Activity</a> (required) <a href="#">Medication Dispense (V3)</a> (optional) <a href="#">Immunization Activity (NHCS V4)</a> (required)	

The Immunization Medication Information represents product information about the immunization substance. The vaccine manufacturer and vaccine lot number are typically recorded in the medical record and should be included if known.

**Table 189: Immunization Medication Information (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
manufacturedProduct (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-9002</a>	urn:oid:2.16.840.1.113883.5.110 (HL7RoleClass) = MANU
templateId	1..1	SHALL		<a href="#">1098-9004</a>	
@root	1..1	SHALL		<a href="#">1098-10499</a>	2.16.840.1.113883.10.20.22.4.54
@extension	1..1	SHALL		<a href="#">1098-32602</a>	2014-06-09
id	0..*	MAY		<a href="#">1098-9005</a>	
manufacturedMaterial	1..1	SHALL		<a href="#">1098-9006</a>	
code	1..1	SHALL		<a href="#">1098-9007</a>	urn:oid:2.16.840.1.113762.1.4.1010.6 (CVX Vaccines Administered Vaccine Set)
translation	0..*	MAY		<a href="#">1098-31543</a>	urn:oid:2.16.840.1.113762.1.4.1010.8 (Vaccine Clinical Drug)
translation	0..*	MAY		<a href="#">1098-31881</a>	
lotNumberText	0..1	SHOULD		<a href="#">1098-9014</a>	
manufacturerOrganization	0..1	SHOULD		<a href="#">1098-9012</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="MANU" (CodeSystem: HL7RoleClass urn:oid:2.16.840.1.113883.5.110 **STATIC**) (CONF:1098-9002).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-9004) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.54" (CONF:1098-10499).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32602).
3. **MAY** contain zero or more [0..\*] **id** (CONF:1098-9005).
4. **SHALL** contain exactly one [1..1] **manufacturedMaterial** (CONF:1098-9006).
  - a. This **manufacturedMaterial** **SHALL** contain exactly one [1..1] **code**, which **SHALL** be selected from ValueSet [CVX Vaccines Administered Vaccine Set](#) urn:oid:2.16.840.1.113762.1.4.1010.6 **DYNAMIC** (CONF:1098-9007).
    - i. This **code** **MAY** contain zero or more [0..\*] **translation**, which **MAY** be selected from ValueSet [Vaccine Clinical Drug](#) urn:oid:2.16.840.1.113762.1.4.1010.8 **DYNAMIC** (CONF:1098-31543).
    - ii. This **code** **MAY** contain zero or more [0..\*] **translation** (CONF:1098-31881).

lotNumberText should be included if known. It may not be known for historical immunizations, planned immunizations, or refused/deferred immunizations.

- b. This manufacturedMaterial **SHOULD** contain zero or one [0..1] lotNumberText (CONF:1098-9014).
5. **SHOULD** contain zero or one [0..1] manufacturerOrganization (CONF:1098-9012).

**Table 190: CVX Vaccines Administered Vaccine Set**

Value Set: CVX Vaccines Administered Vaccine Set urn:oid:2.16.840.1.113762.1.4.1010.6 (Clinical Focus: CVX vaccine concepts that represent actual vaccines types, including those that are historical record of a vaccine administered where the exact formulation is unknown. This does not include the identifiers for CVX codes that are administrative codes or never active codes. Available at <a href="http://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=cvx">http://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=cvx</a> ),(Data Element Scope: Vaccine representation),(Inclusion Criteria: Any CVX code with "CVX status" (VSAC Property) = Active, Inactive, Non-US except those noted in exclusions),(Exclusion Criteria: CVX codes that have a CVX "status" of either "Pending" or "Never Active" AND CVX codes with CVX "Nonvaccine" property = True.)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.6/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.6/expansion</a>			
Code	Code System	Code System OID	Print Name
01	CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.2.92	diphtheria, tetanus toxoids and pertussis vaccine
02	CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.2.92	trivalent poliovirus vaccine, live, oral
03	CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.2.92	measles, mumps and rubella virus vaccine
04	CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.2.92	measles and rubella virus vaccine
05	CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.2.92	measles virus vaccine
06	CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.2.92	rubella virus vaccine
07	CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.2.92	mumps virus vaccine
08	CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.2.92	hepatitis B vaccine, pediatric or pediatric/adolescent dosage
09	CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.2.92	tetanus and diphtheria toxoids, adsorbed, preservative free, for adult use (2 Lf of tetanus toxoid and 2 Lf of diphtheria toxoid)
10	CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.2.92	poliovirus vaccine, inactivated
...			



**Table 191: Vaccine Clinical Drug**

Value Set: Vaccine Clinical Drug urn:oid:2.16.840.1.113762.1.4.1010.8 (Clinical Focus: Administrable vaccine medication formulations represented using either a "generic" or "brand-specific" concept.), (Data Element Scope: vaccine medication), (Inclusion Criteria: Currently Active RxNorm clinical drug concepts that have the a mapped CVX code. Limit to SBD or SCD TTY.), (Exclusion Criteria: Any drug not meeting the inclusion criteria)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.8/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.8/expansion</a>			
Code	Code System	Code System OID	Print Name
1099936	RxNorm	urn:oid:2.16.840.1.113883.6.88	adenovirus type 4 vaccine live 32000 UNT Delayed Release Oral Tablet
1099940	RxNorm	urn:oid:2.16.840.1.113883.6.88	adenovirus type 7 vaccine live 32000 UNT Delayed Release Oral Tablet
1190916	RxNorm	urn:oid:2.16.840.1.113883.6.88	0.5 ML diphtheria toxoid vaccine, inactivated 4 UNT/ML / tetanus toxoid vaccine, inactivated 10 UNT/ML Injection [Tenivac]
1190919	RxNorm	urn:oid:2.16.840.1.113883.6.88	0.5 ML diphtheria toxoid vaccine, inactivated 4 UNT/ML / tetanus toxoid vaccine, inactivated 10 UNT/ML Prefilled Syringe [Tenivac]
1244205	RxNorm	urn:oid:2.16.840.1.113883.6.88	0.5 ML diphtheria toxoid vaccine, inactivated 50 UNT/ML / tetanus toxoid vaccine, inactivated 10 UNT/ML Injection
1292443	RxNorm	urn:oid:2.16.840.1.113883.6.88	0.5 ML measles virus vaccine live, Enders' attenuated Edmonston strain 2000 UNT/ML / mumps virus vaccine live, Jeryl Lynn strain 40000 UNT/ML / rubella virus vaccine live (Wistar RA 27-3 strain) 2000 UNT/ML / varicella-zoster virus vaccine live (Oka-Merck) strain 20000 UNT/ML Injection [ProQuad]

1292459	RxNorm	urn:oid:2.16.840.1.113883.6.88	0.5 ML varicella-zoster virus vaccine live (Oka-Merck) strain 2700 UNT/ML Injection [Varivax]
1292828	RxNorm	urn:oid:2.16.840.1.113883.6.88	yellow fever virus strain 17D-204 live antigen 4000 UNT/ML Injectable Suspension [YF-Vax]
1300191	RxNorm	urn:oid:2.16.840.1.113883.6.88	0.5 ML Bordetella pertussis filamentous hemagglutinin vaccine, inactivated 0.01 MG/ML / Bordetella pertussis fimbriae 2/3 vaccine, inactivated 0.01 MG/ML / Bordetella pertussis pertactin vaccine, inactivated 0.006 MG/ML / Bordetella pertussis toxoid vaccine, inactivated 0.005 MG/ML / diphtheria toxoid vaccine, inactivated 4 UNT/ML / tetanus toxoid vaccine, inactivated 10 UNT/ML Prefilled Syringe [Adacel]
1300206	RxNorm	urn:oid:2.16.840.1.113883.6.88	0.5 ML Bordetella pertussis filamentous hemagglutinin vaccine, inactivated 0.01 MG/ML / Bordetella pertussis fimbriae 2/3 vaccine, inactivated 0.01 MG/ML / Bordetella pertussis pertactin vaccine, inactivated 0.006 MG/ML / Bordetella pertussis toxoid vaccine, inactivated 0.005 MG/ML / diphtheria toxoid vaccine, inactivated 4 UNT/ML / tetanus toxoid vaccine, inactivated 10 UNT/ML Injection [Adacel]
...			

**Figure 82: Immunization Medication Information (V2) Example**

```
<manufacturedProduct classCode="MANU">
  <!-- ** Immunization medication information ** -->
  <templateId root="2.16.840.1.113883.10.20.22.4.54" extension="2014-06-09" />
  <manufacturedMaterial>
    <code code="33" codeSystem="2.16.840.1.113883.12.292" displayName="Pneumococcal
polysaccharide vaccine" codeSystemName="CVX">
      <translation code="854981" displayName="Pneumovax 23 (Pneumococcal vaccine
polyvalent) Injectable Solution" codeSystemName="RxNORM"
codeSystem="2.16.840.1.113883.6.88" />
    </code>
    <lotNumberText>1</lotNumberText>
  </manufacturedMaterial>
  <manufacturerOrganization>
    <name>Health LS - Immuno Inc.</name>
  </manufacturerOrganization>
</manufacturedProduct>
```

### 3.33 Immunization Refusal Reason

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.53 (open)]

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**Table 192: Immunization Refusal Reason Contexts**

Contained By:	Contains:
<a href="#">Immunization Activity (NHCS V4)</a> (optional)	

The Immunization Refusal Reason documents the rationale for the patient declining an immunization.

**Table 193: Immunization Refusal Reason Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.53)					
@classCode	1..1	SHALL		<a href="#">81-8991</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">81-8992</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">81-8993</a>	
@root	1..1	SHALL		<a href="#">81-10500</a>	2.16.840.1.113883.10.20.22.4.53
id	1..*	SHALL		<a href="#">81-8994</a>	
code	1..1	SHALL		<a href="#">81-8995</a>	urn:oid:2.16.840.1.113883.1.11.19717 (No Immunization Reason)
statusCode	1..1	SHALL		<a href="#">81-8996</a>	
@code	1..1	SHALL		<a href="#">81-19104</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-8991).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-8992).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-8993) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.53" (CONF:81-10500).
4. **SHALL** contain at least one [1..\*] **id** (CONF:81-8994).
5. **SHALL** contain exactly one [1..1] **code**, which **SHALL** be selected from ValueSet [No Immunization Reason](#) urn:oid:2.16.840.1.113883.1.11.19717 **DYNAMIC** (CONF:81-8995).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:81-8996).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:81-19104).

**Table 194: No Immunization Reason**

Value Set: No Immunization Reason urn:oid:2.16.840.1.113883.1.11.19717 (Clinical Focus: Rationale for not administering indicated immunization),(Data Element Scope: ),(Inclusion Criteria: All descendant codes from ActNoImmunizationReason in code system ActReason),(Exclusion Criteria: )  This value set was imported on 2/27/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19717/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19717/expansion</a>			
Code	Code System	Code System OID	Print Name
IMMUNE	HL7ActReason	urn:oid:2.16.840.1.113883.5.8	immunity
MEDPREC	HL7ActReason	urn:oid:2.16.840.1.113883.5.8	medical precaution
OSTOCK	HL7ActReason	urn:oid:2.16.840.1.113883.5.8	product out of stock
PATOBJ	HL7ActReason	urn:oid:2.16.840.1.113883.5.8	patient objection
PHILISOP	HL7ActReason	urn:oid:2.16.840.1.113883.5.8	philosophical objection
RELIG	HL7ActReason	urn:oid:2.16.840.1.113883.5.8	religious objection
VACEFF	HL7ActReason	urn:oid:2.16.840.1.113883.5.8	vaccine efficacy concerns
VACSAF	HL7ActReason	urn:oid:2.16.840.1.113883.5.8	vaccine safety concerns

**Figure 83: Immunization Refusal Reason Example**

<pre>&lt;observation classCode="OBS" moodCode="EVN"&gt; &lt;templateId root="2.16.840.1.113883.10.20.22.4.53"/&gt; &lt;id root="2a620155-9d11-439e-92b3-5d9815ff4dd8"/&gt; &lt;code displayName="Patient Objection" code="PATOBJ"   codeSystemName="HL7 ActNoImmunizationReason" codeSystem="2.16.840.1.113883.5.8"/&gt; &lt;statusCode code="completed"/&gt; &lt;/observation&gt;</pre>
--

### 3.34 Indication (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09 (open) ]

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Table 195: Indication (V2) Contexts

Contained By:	Contains:
<a href="#">Planned Act (V2)</a> (optional) <a href="#">Planned Encounter (V2)</a> (optional) <a href="#">Planned Observation (V2)</a> (optional) <a href="#">Planned Supply (V2)</a> (optional) <a href="#">Planned Medication Activity (V2)</a> (optional) <a href="#">Patient Referral Act</a> (optional) <a href="#">Planned Immunization Activity</a> (optional) <a href="#">Medication Activity (NHCS V3)</a> (optional) <a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional) <a href="#">Encounter Activity (NHCS V4)</a> (optional) <a href="#">Immunization Activity (NHCS V4)</a> (optional) <a href="#">Planned Procedure (NHCS V4)</a> (optional) <a href="#">Procedure Activity Act (NHCS V3)</a> (optional) <a href="#">Procedure Activity Observation (NHCS V3)</a> (optional)	

This template represents the rationale for an action such as an encounter, a medication administration, or a procedure. The id element can be used to reference a problem recorded elsewhere in the document, or can be used with a code and value to record the problem. Indications for treatment are not laboratory results; rather the problem associated with the laboratory result should be cited (e.g., hypokalemia instead of a laboratory result of Potassium 2.0 mEq/L). Use the Drug Monitoring Act [templateId 2.16.840.1.113883.10.20.22.4.123] to indicate if a particular drug needs special monitoring (e.g., anticoagulant therapy). Use Precondition for Substance Administration (V2) [templateId 2.16.840.1.113883.10.20.22.4.25.2] to represent that a medication is to be administered only when the associated criteria are met.

**Table 196: Indication (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-7480</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-7481</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-7482</a>	
@root	1..1	SHALL		<a href="#">1098-10502</a>	2.16.840.1.113883.10.20.22.4.19
@extension	1..1	SHALL		<a href="#">1098-32570</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-7483</a>	
code	1..1	SHALL		<a href="#">1098-31229</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.7.2 (Problem Type (SNOMEDCT))
statusCode	1..1	SHALL		<a href="#">1098-7487</a>	
@code	1..1	SHALL		<a href="#">1098-19105</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	0..1	SHOULD		<a href="#">1098-7488</a>	
value	0..1	MAY	CD	<a href="#">1098-7489</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.7.4 (Problem)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-7480).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-7481).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-7482) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.19" (CONF:1098-10502).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32570).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-7483).  
 Note: If the id element is used to reference a problem recorded elsewhere in the document then this id must equal another entry/id in the same document instance. Application Software must be responsible for resolving the identifier back to its original object and then rendering the information in the correct place in the containing section's narrative text. Its purpose is to obviate the need to repeat the complete XML representation of the referred to entry when relating one entry to another.
5. **SHALL** contain exactly one [1..1] **code**, which **MAY** be selected from ValueSet [Problem Type \(SNOMEDCT\)](#) urn:oid:2.16.840.1.113883.3.88.12.3221.7.2 **DYNAMIC** (CONF:1098-31229).

6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-7487).
  - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-19105).
7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1098-7488).
8. **MAY** contain zero or one [0..1] **value** with **@xsi:type="CD"**, where the code **SHOULD** be selected from ValueSet [Problem](#) urn:oid:2.16.840.1.113883.3.88.12.3221.7.4 **DYNAMIC** (CONF:1098-7489).

**Figure 84: Indication (V2) Example**

```

<entry typeCode="DRIV">
  <substanceAdministration classCode="SBADM" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.16" extension="2014-06-09" />
    <!-- ** MEDICATION ACTIVITY -->
    <id root="cdbc33f0-6cde-11db-9fe1-0800200c9a66" />
    <text>
      <reference value="#Med1" /> 0.09 MG/ACTUAT inhalant solution, 2 puffs QID PRN
wheezing
    </text>
    ...
    <!-- Indication snippet inside a Medication Activity -->
    <entryRelationship typeCode="RSON">
      <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.19" extension="2014-06-09"
/>
        <!-- Note that this id equals the problem observation/id -->
        <id root="db734647-fc99-424c-a864-7e3cda82e703" />
        <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
        <statusCode code="completed" />
        <value xsi:type="CD" code="32398004" displayName="Bronchitis"
codeSystem="2.16.840.1.113883.6.96" />
      </observation>
    </entryRelationship>
    ...
  </substanceAdministration>
</entry>
  <!-- Points to a problem on the problem list -->
  <!-- Problem observation template
  <templateId root="2.16.840.1.113883.10.20.22.4.4"/>
  Note that this id equals the Indication observation/id
  <id root="db734647-fc99-424c-a864-7e3cda82e703"/> -->

```



### 3.35 Instruction (V2)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09 (open)]  
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Table 197: Instruction (V2) Contexts

Contained By:	Contains:
<a href="#">Non-Medicinal Supply Activity (V2)</a> (optional) <a href="#">Planned Act (V2)</a> (optional) <a href="#">Planned Observation (V2)</a> (optional) <a href="#">Planned Supply (V2)</a> (optional) <a href="#">Planned Medication Activity (V2)</a> (optional) <a href="#">Medication Supply Order (V2)</a> (optional) <a href="#">Planned Immunization Activity</a> (optional) <a href="#">Medication Activity (NHCS V3)</a> (optional) <a href="#">Plan of Treatment Section (NHCS V3)</a> (optional) <a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional) <a href="#">Immunization Activity (NHCS V4)</a> (optional) <a href="#">Planned Procedure (NHCS V4)</a> (optional) <a href="#">Procedure Activity Act (NHCS V3)</a> (optional) <a href="#">Procedure Activity Observation (NHCS V3)</a> (optional)	

The Instruction template can be used in several ways, such as to record patient instructions within a Medication Activity or to record fill instructions within a supply order. The template's moodCode can only be INT. If an instruction was already given, the Procedure Activity Act template (instead of this template) should be used to represent the already occurred instruction. The act/code defines the type of instruction. Though not defined in this template, a Vaccine Information Statement (VIS) document could be referenced through act/reference/externalDocument, and patient awareness of the instructions can be represented with the generic participant and the participant/awarenessCode.

**Table 198: Instruction (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-7391</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">1098-7392</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT
templateId	1..1	SHALL		<a href="#">1098-7393</a>	
@root	1..1	SHALL		<a href="#">1098-10503</a>	2.16.840.1.113883.10.20.22.4.20
@extension	1..1	SHALL		<a href="#">1098-32598</a>	2014-06-09
code	1..1	SHALL		<a href="#">1098-16884</a>	urn:oid:2.16.840.1.113883.11.20.9.34 (Patient Education)
statusCode	1..1	SHALL		<a href="#">1098-7396</a>	
@code	1..1	SHALL		<a href="#">1098-19106</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed

1. **SHALL** contain exactly one [1..1] **@classCode**="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-7391).
2. **SHALL** contain exactly one [1..1] **@moodCode**="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-7392).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-7393) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.20" (CONF:1098-10503).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32598).
4. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [Patient Education](#) urn:oid:2.16.840.1.113883.11.20.9.34 **DYNAMIC** (CONF:1098-16884).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-7396).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-19106).

**Table 199: Patient Education**

Value Set: Patient Education urn:oid:2.16.840.1.113883.11.20.9.34 (Clinical Focus: Interventions intended to inform the patient about a condition, its treatment, and the patient's role in the treatment),(Data Element Scope: procedure or communication),(Inclusion Criteria: All concepts descending from the Education (409073007) or the Education with explicit context (460615006) hierarchies in SNOMED CT.),(Exclusion Criteria: any concept not in the hierarchies described)  This value set was imported on 6/25/2019 with a version of 20190413. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.34/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.34/expansion</a>			
Code	Code System	Code System OID	Print Name
10189761000046105	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Hypertension exercise education (procedure)
10756541000119104	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Childbirth education done (situation)
108247002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Visual correction training AND/OR re-education procedure (procedure)
113145005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Biofeedback training in conduction disorder, arrhythmia (regime/therapy)
113155009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Myocardial infarction education (procedure)
114641000119104	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Natural contraception education done (situation)
11581009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Swinging transfer training (regime/therapy)
11816003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Diet education (procedure)
118629009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Functional training (procedure)
11924009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Orthotics training of upper extremities (procedure)
...			

**Figure 85: Instruction (V2) Example**

```
<act classCode="ACT" moodCode="INT">
<templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />
<code code="171044003" codeSystem="2.16.840.1.113883.6.96" displayName="immunization
education" />
<text>
  <reference value="#immunSect" />
  Possible flu-like symptoms for three days.
</text>
<statusCode code="completed" />
</act>
```

### 3.36 Longitudinal Care Wound Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.114:2015-08-01 (open)]

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DSTU R2.1

**Table 200: Longitudinal Care Wound Observation (V2) Contexts**

Contained By:	Contains:
<a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Highest Pressure Ulcer Stage</a> (optional) <a href="#">Wound Measurement Observation</a> (optional) <a href="#">Wound Characteristic</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Number of Pressure Ulcers Observation (V3)</a> (optional)

This template represents acquired or surgical wounds and is not intended to encompass all wound types. The template applies to wounds such as pressure ulcers, surgical incisions, and deep tissue injury wounds. Information in this template may include information about the wound measurements characteristics.

**Table 201: Longitudinal Care Wound Observation (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.114:2015-08-01)					
@classCode	1..1	SHALL		<a href="#">1198-31012</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1198-31013</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1198-32947</a>	
@root	1..1	SHALL		<a href="#">1198-29474</a>	2.16.840.1.113883.10.20.22.4.114
@extension	1..1	SHALL		<a href="#">1198-32913</a>	2015-08-01
code	1..1	SHALL		<a href="#">1198-29476</a>	
@code	1..1	SHALL		<a href="#">1198-29477</a>	ASSERTION
@codeSystem	1..1	SHALL		<a href="#">1198-31010</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
value	1..1	SHALL	CD	<a href="#">1198-29485</a>	urn:oid:2.16.840.1.113883.1.11.20.2.6 (Wound Type)
targetSiteCode	0..1	SHOULD		<a href="#">1198-29488</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 (Body Site Value Set)
qualifier	0..*	MAY		<a href="#">1198-29490</a>	
name	1..1	SHALL		<a href="#">1198-29491</a>	
@code	1..1	SHALL		<a href="#">1198-29492</a>	272741003
@codeSystem	1..1	SHALL		<a href="#">1198-31524</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96
value	1..1	SHALL		<a href="#">1198-29493</a>	
@code	1..1	SHALL		<a href="#">1198-29494</a>	urn:oid:2.16.840.1.113883.11.20.9.37 (TargetSite Qualifiers)
author	0..*	SHOULD		<a href="#">1198-31542</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	SHOULD		<a href="#">1198-29495</a>	
@typeCode	1..1	SHALL		<a href="#">1198-29496</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP

XPath	Card.	Verb	Data Type	CONF#	Value
observation	1..1	SHALL		<a href="#">1198-29497</a>	<a href="#">Wound Measurement Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.133)</a>
entryRelationship	0..*	SHOULD		<a href="#">1198-29503</a>	
@typeCode	1..1	SHALL		<a href="#">1198-29504</a>	COMP
observation	1..1	SHALL		<a href="#">1198-29505</a>	<a href="#">Wound Characteristic (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.134)</a>
entryRelationship	0..*	MAY		<a href="#">1198-31890</a>	
@typeCode	1..1	SHALL		<a href="#">1198-31891</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
observation	1..1	SHALL		<a href="#">1198-31892</a>	<a href="#">Number of Pressure Ulcers Observation (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.76:2015-08-01)</a>
entryRelationship	0..1	MAY		<a href="#">1198-31893</a>	
@typeCode	1..1	SHALL		<a href="#">1198-31894</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
observation	1..1	SHALL		<a href="#">1198-31919</a>	<a href="#">Highest Pressure Ulcer Stage (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.77)</a>

1. Conforms to Problem Observation (V3) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2015-08-01).
2. **SHALL** contain exactly one [1..1] **@classCode="OBS"** (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1198-31012).
3. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:1198-31013).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-32947) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.114"** (CONF:1198-29474).
  - b. **SHALL** contain exactly one [1..1] **@extension="2015-08-01"** (CONF:1198-32913).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1198-29476).
  - a. This code **SHALL** contain exactly one [1..1] **@code="ASSERTION"** assertion (CONF:1198-29477).

- b. This code **SHALL** contain exactly one [1..1]  
 @codeSystem="2.16.840.1.113883.5.4" (CodeSystem: HL7ActCode  
 urn:oid:2.16.840.1.113883.5.4) (CONF:1198-31010).
- 6. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD", where the code **SHOULD** be selected from ValueSet Wound Type urn:oid:2.16.840.1.113883.1.11.20.2.6 **DYNAMIC** (CONF:1198-29485).
- 7. **SHOULD** contain zero or one [0..1] **targetSiteCode**, which **SHOULD** be selected from ValueSet Body Site Value Set urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 **DYNAMIC** (CONF:1198-29488) such that it

If targetSite/qualifierCode name/value pairs are used, care must be taken to avoid conflict with the SNOMED-CT body structure code used in observation/value. SNOMED-CT body structure codes are often pre-coordinated with laterality.

- a. **MAY** contain zero or more [0..\*] **qualifier** (CONF:1198-29490).
    - i. The qualifier, if present, **SHALL** contain exactly one [1..1] **name** (CONF:1198-29491).
      - 1. This name **SHALL** contain exactly one [1..1] @code="272741003" laterality (CONF:1198-29492).
      - 2. This name **SHALL** contain exactly one [1..1]  
 @codeSystem="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:1198-31524).
    - ii. The qualifier, if present, **SHALL** contain exactly one [1..1] **value** (CONF:1198-29493).
      - 1. This value **SHALL** contain exactly one [1..1] @code, which **SHOULD** be selected from ValueSet TargetSite Qualifiers urn:oid:2.16.840.1.113883.11.20.9.37 **DYNAMIC** (CONF:1198-29494).
- 8. **SHOULD** contain zero or more [0..\*] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1198-31542).
- 9. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:1198-29495) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="COMP" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:1198-29496).
  - b. **SHALL** contain exactly one [1..1] Wound Measurement Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.133) (CONF:1198-29497).
- 10. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:1198-29503) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="COMP" (CONF:1198-29504).
  - b. **SHALL** contain exactly one [1..1] Wound Characteristic (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.134) (CONF:1198-29505).

When the wound observed is a type of pressure ulcer, then this template **SHOULD** contain an entry for the Number of Pressure Ulcers.

- 11. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-31890) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1198-31891).

- b. **SHALL** contain exactly one [1..1] [Number of Pressure Ulcers Observation \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.76:2015-08-01) (CONF:1198-31892).

When the wound observed is a type of pressure ulcer, then this template SHOULD contain an entry for the Highest Pressure Ulcer Stage.

12. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:1198-31893) such that it
- SHALL** contain exactly one [1..1] **@typeCode="COMP"** Has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1198-31894).
  - SHALL** contain exactly one [1..1] [Highest Pressure Ulcer Stage](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.77) (CONF:1198-31919).

**Table 202: Wound Type**

Value Set: Wound Type urn:oid:2.16.840.1.113883.1.11.20.2.6 (Clinical Focus: General concepts representing injuries to the skin as seen commonly in long term care.),(Data Element Scope: condition),(Inclusion Criteria: Specific concepts consistent with the scope),(Exclusion Criteria: Any concept not identified)  This value set was imported on 6/29/2019 with a version of 20190319. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.6/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.6/expansion</a>			
Code	Code System	Code System OID	Print Name
125667009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Contusion (disorder)
128045006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Cellulitis (disorder)
129902007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Skin incision finding (finding)
13954005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Ischemic ulcer (disorder)
238792006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Mixed arteriovenous leg ulcer (disorder)
247444006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Excoriation of skin (disorder)
247464001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Blistering eruption (disorder)
271761007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Scaly skin (finding)
271767006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Peeling of skin (finding)
271807003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Eruption of skin (disorder)
...			



**Table 203: TargetSite Qualifiers**

Value Set: TargetSite Qualifiers urn:oid:2.16.840.1.113883.11.20.9.37 (Clinical Focus: Spatial refinements to anatomical site concepts),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 6/29/2019 with a version of 20190319. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.37/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.37/expansion</a>			
Code	Code System	Code System OID	Print Name
24028007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Right (qualifier value)
255549009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Anterior (qualifier value)
255551008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Posterior (qualifier value)
255561001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Medial (qualifier value)
7771000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Left (qualifier value)

**Figure 86: Longitudinal Care Wound Observation Example**

```

<entry>
  <observation classCode="OBS" moodCode="EVN">
    <!-- Wound Observation template -->
    <templateId root="2.16.840.1.113883.10.20.22.4.114" extension="2015-08-01" />
    <id root="ab1791b0-5c71-11db-b0de-0800200c9a66" />
    <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
    <statusCode code="completed" />
    <effectiveTime>
      <low value="20013103" />
    </effectiveTime>
    <value xsi:type="CD" code="425144005" codeSystem="2.16.840.1.113883.6.6"
displayName="Minor open wound" />
    <targetSiteCode code="182295001" codeSystem="2.16.840.1.113883.6.96"
displayName="anterior aspect of knee" />
    <author>
      ...
    </author>
    <entryRelationship typeCode="COMP">
      <observation classCode="OBS" moodCode="EVN">
        <!-- Wound Measurements Observation -->
        <templateId root="2.16.840.1.113883.10.20.22.4.133" />
        ...

        </observation>
      </entryRelationship>
    <entryRelationship typeCode="COMP">
      <observation classCode="OBS" moodCode="EVN">
        <!-- Wound Measurements Observation . -->
        <templateId root="2.16.840.1.113883.10.20.22.4.133" />
        ...

        </observation>
      </entryRelationship>
    <entryRelationship typeCode="COMP">
      <observation classCode="OBS" moodCode="EVN">
        <!-- Wound Characteristic -->
        <templateId root="2.16.840.1.113883.10.20.22.4.134" />
        ...

        </observation>
      </entryRelationship>
    <entryRelationship typeCode="COMP">
      <observation classCode="OBS" moodCode="EVN">
        <!-- Number of Pressure Ulcers -->
        <templateId root="2.16.840.1.113883.10.20.22.4.76" />
        ...

        </observation>
      </entryRelationship>
    <entryRelationship typeCode="COMP">
      <observation classCode="OBS" moodCode="EVN">

```

```

        <!-- Highest Pressure Ulcers Stage -->
        <templateId root="2.16.840.1.113883.10.20.22.4.77" />
        ...

    </observation>
</entryRelationship>
</observation>
</entry>

```

3.37 Medical Equipment Organizer (NHCS V2)

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.135:2025-08-01 (open) ]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

Table 204: Medical Equipment Organizer (NHCS V2) Contexts

Contained By:	Contains:
<a href="#">Medical Equipment Section (NHCS V3)</a> (optional)	<a href="#">Non-Medicinal Supply Activity (V2)</a> (optional) <a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional)

The C-CDA template, Medical Equipment Organizer, has been versioned in this guide to support USCDI-v3.

This template represents a set of current or historical medical devices, supplies, aids and equipment used by the patient. Examples are hearing aids, orthotic devices, ostomy supplies, visual aids, diabetic supplies such as syringes and pumps, and wheelchairs. Devices that are applied during a procedure (e.g., cardiac pacemaker, gastrosomy tube, port catheter), whether permanent or temporary, are represented within the Procedure Activity Procedure (V2) template (templateId: 2.16.840.1.113883.10.20.22.4.14.2).

**Table 205: Medical Equipment Organizer (NHCS V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.135:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-31020</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER
@moodCode	1..1	SHALL		<a href="#">5564-31021</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-31022</a>	
@root	1..1	SHALL		<a href="#">5564-31023</a>	2.16.840.1.113883.10.20.22.4.135
@extension	1..1	SHALL		<a href="#">5564-33367</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-31024</a>	
code	0..1	MAY		<a href="#">5564-31025</a>	
statusCode	1..1	SHALL		<a href="#">5564-31026</a>	
@code	1..1	SHALL		<a href="#">5564-31029</a>	urn:oid:2.16.840.1.113883.11.20.9.39 (Result Status)
effectiveTime	1..1	SHALL		<a href="#">5564-32136</a>	
low	1..1	SHALL		<a href="#">5564-32378</a>	
high	1..1	SHALL		<a href="#">5564-32379</a>	
component	0..*	MAY		<a href="#">5564-31027</a>	
supply	1..1	SHALL		<a href="#">5564-31862</a>	<a href="#">Non-Medicinal Supply Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09)</a>
component	0..*	MAY		<a href="#">5564-31887</a>	
procedure	1..1	SHALL		<a href="#">5564-31888</a>	<a href="#">Procedure Activity Procedure (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="CLUSTER" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-31020).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-31021).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-31022) such that it

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.135" (CONF:5564-31023).
- b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33367).
- 4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-31024).

This code can represent a category of devices. The code is strictly optional, and is not currently limited to any value set or code system. Implementers may use it if they wish to provide optional coded information about this grouping of medical equipment.

- 5. **MAY** contain zero or one [0..1] **code** (CONF:5564-31025).

The organizer is a collection of statuses for contained entries. The organizer remains active until all contained entries are done.

- 6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-31026).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [Result Status](#) urn:oid:2.16.840.1.113883.11.20.9.39 **STATIC** 2014-09-01 (CONF:5564-31029).

The effectiveTime can be used to show the time period over which the patient will be using the set of equipment. The organizer would probably not be used with devices applied in or on the patient.

- 7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-32136).
  - a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:5564-32378).
  - b. This effectiveTime **SHALL** contain exactly one [1..1] **high** (CONF:5564-32379).
- 8. **MAY** contain zero or more [0..\*] **component** (CONF:5564-31027) such that it
  - a. **SHALL** contain exactly one [1..1] [Non-Medicinal Supply Activity \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09) (CONF:5564-31862).
- 9. **MAY** contain zero or more [0..\*] **component** (CONF:5564-31887) such that it
  - a. **SHALL** contain exactly one [1..1] [Procedure Activity Procedure \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01) (CONF:5564-31888).
- 10. Either Non-Medicinal Supply Activity (V2) (templateId:2.16.840.1.113883.10.20.22.4.50:2014-06-09) **OR** Procedure Activity Procedure (V2) (templateId:2.16.840.1.113883.10.20.22.4.14:2014-06-09) **SHALL** be present (CONF:5564-32380).

**Table 206: Result Status**

Value Set: Result Status urn:oid:2.16.840.1.113883.11.20.9.39 (Clinical Focus: The processing status of a laboratory test or panel),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.39/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.39/expansion</a>			
Code	Code System	Code System OID	Print Name
aborted	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	aborted
active	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	active
cancelled	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	cancelled
completed	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	completed
held	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	held
suspended	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	suspended

**Figure 87: Medical Equipment Organizer (NHCS V2) Example**

<pre>&lt;organizer classCode="CLUSTER" moodCode="EVN"&gt;   &lt;!-- [Updated C-CDA] Medical Equipment Organizer (NHCS V2) --&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.135" extension="2025-08-01"/&gt;   &lt;id root="3e414708-0e61-4d48-8863-484a2d473a02" /&gt;   &lt;code code="337588003" codeSystem="2.16.840.1.113883.6.96"     codeSystemName="SNOMED CT"     displayName="Incontinence appliances"&gt;     &lt;originalText&gt;Incontinence appliances&lt;/originalText&gt;   &lt;/code&gt;   &lt;statusCode code="completed" /&gt;   &lt;effectiveTime xsi:type="IVL_TS"&gt;     &lt;low value="20070103" /&gt;     &lt;high nullFlavor="UNK" /&gt;   &lt;/effectiveTime&gt;   &lt;component&gt;     &lt;supply classCode="SPLY" moodCode="EVN"&gt;       &lt;!-- [C-CDA] Non-medicinal supply activity (V2) --&gt;       &lt;templateId root="2.16.840.1.113883.10.20.22.4.50"         extension="2014-06-09"/&gt;       ...     &lt;/supply&gt;   &lt;/component&gt; &lt;/organizer&gt;</pre>
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### 3.38 Medication Activity (NHCS V3)

[substanceAdministration: identifier  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01 (open)]

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**Table 207: Medication Activity (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Discharge Medication (NHCS V4)</a> (required) <a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional) <a href="#">Medications Section (entries required) (NHCS V3)</a> (required) <a href="#">Medications Section (entries optional) (NHCS V3)</a> (optional) <a href="#">Procedure Activity Act (NHCS V3)</a> (optional) <a href="#">Procedure Activity Observation (NHCS V3)</a> (optional) <a href="#">Reaction Observation (NHCS V3)</a> (optional)	<a href="#">Drug Vehicle</a> (optional) <a href="#">Indication (V2)</a> (optional) <a href="#">Medication Supply Order (V2)</a> (optional) <a href="#">Medication Information (V2)</a> (required) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Substance Administered Act</a> (optional) <a href="#">Medication Free Text Sig</a> (optional) <a href="#">Medication Dispense (V3)</a> (optional) <a href="#">Reaction Observation (NHCS V3)</a> (optional)

The C-CDA template, Medication Activity (V2), has been versioned in this guide to support USCDI-v3. When submitting data for the National Health Care Surveys, inclusion of coded problem data is required. Use Medication Information (V2).

A Medication Activity describes substance administrations that have actually occurred (e.g., pills ingested or injections given) or are intended to occur (e.g., "take 2 tablets twice a day for the next 10 days"). Medication activities in "INT" mood are reflections of what a clinician intends a patient to be taking. For example, a clinician may intend that a patient be administered Lisinopril 20 mg PO for blood pressure control. If what was actually administered was Lisinopril 10 mg., then the Medication activities in the "EVN" mood would reflect actual use.

A moodCode of INT is allowed, but it is recommended that the Planned Medication Activity (V2) template be used for moodCodes other than EVN if the document type contains a section that includes Planned Medication Activity (V2) (for example a Care Plan document with Plan of Treatment, Intervention, or Goal sections).

At a minimum, a Medication Activity shall include an effectiveTime indicating the duration of the administration (or single-administration timestamp). Ambulatory medication lists generally provide a summary of use for a given medication over time - a medication activity in event mood with the duration reflecting when the medication started and stopped. Ongoing medications will not have a stop date (or will have a stop date with a suitable NULL value). Ambulatory medication lists will generally also have a frequency (e.g., a medication is being taken twice a day). Inpatient medications generally record each administration as a separate act.

The dose (doseQuantity) represents how many of the consumables are to be administered at each administration event. As a result, the dose is always relative to the consumable and the interval of administration. Thus, a patient consuming a single "metoprolol 25mg tablet" per administration will have a doseQuantity of "1", whereas a patient consuming "metoprolol" will have a dose of "25 mg".

**Table 208: Medication Activity (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
substanceAdministration (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-33099</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = SBADM
@moodCode	1..1	SHALL		<a href="#">5564-33100</a>	urn:oid:2.16.840.1.113883.11.20.9.18 (MoodCodeEvnInt)
templateId	1..1	SHALL		<a href="#">5564-33069</a>	
@root	1..1	SHALL		<a href="#">5564-33101</a>	2.16.840.1.113883.10.20.22.4.16
@extension	1..1	SHALL		<a href="#">5564-33102</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-33103</a>	
code	0..1	MAY		<a href="#">5564-33104</a>	
statusCode	1..1	SHALL		<a href="#">5564-33070</a>	
@code	1..1	SHALL		<a href="#">5564-33105</a>	urn:oid:2.16.840.1.113762.1.4.1099.11 (Medication Status)
effectiveTime	1..1	SHALL		<a href="#">5564-33071</a>	
@value	0..1	SHOULD		<a href="#">5564-33106</a>	
low	0..1	SHOULD		<a href="#">5564-33107</a>	
high	0..1	MAY		<a href="#">5564-33108</a>	
effectiveTime	0..1	SHOULD		<a href="#">5564-33072</a>	
@operator	1..1	SHALL		<a href="#">5564-33110</a>	A
repeatNumber	0..1	MAY		<a href="#">5564-33112</a>	
routeCode	0..1	SHOULD		<a href="#">5564-33073</a>	urn:oid:2.16.840.1.113883.3.8.8.12.3221.8.7 (SPL Drug Route of Administration Terminology)
translation	0..*	SHOULD		<a href="#">5564-33113</a>	urn:oid:2.16.840.1.113762.1.4.1099.12 (Medication Route)
approachSiteCode	0..1	MAY	SET<C D>	<a href="#">5564-33114</a>	urn:oid:2.16.840.1.113883.3.8.8.12.3221.8.9 (Body Site Value Set)
doseQuantity	1..1	SHALL		<a href="#">5564-33074</a>	



XPath	Card.	Verb	Data Type	CONF#	Value
@unit	0..1	SHOULD		<a href="#">5564-33115</a>	urn:oid:2.16.840.1.113883.1.11.12839 (UnitsOfMeasureCaseSensitive)
rateQuantity	0..1	MAY		<a href="#">5564-33075</a>	
@unit	1..1	SHALL		<a href="#">5564-33118</a>	urn:oid:2.16.840.1.113883.1.11.12839 (UnitsOfMeasureCaseSensitive)
maxDoseQuantity	0..1	MAY	RTO<P Q, PQ>	<a href="#">5564-33119</a>	
administrationUnitCode	0..1	MAY		<a href="#">5564-33120</a>	urn:oid:2.16.840.1.113762.1.4.1021.30 (AdministrationUnitDoseForm)
consumable	1..1	SHALL		<a href="#">5564-33076</a>	
manufacturedProduct	1..1	SHALL		<a href="#">5564-33077</a>	<a href="#">Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09)</a>
performer	0..1	MAY		<a href="#">5564-33121</a>	
author	0..*	SHOULD		<a href="#">5564-33092</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	0..*	MAY		<a href="#">5564-33078</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33122</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = CSM
participantRole	1..1	SHALL		<a href="#">5564-33079</a>	<a href="#">Drug Vehicle (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.24)</a>
entryRelationship	0..*	MAY		<a href="#">5564-33080</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33123</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">5564-33081</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>
entryRelationship	0..1	MAY		<a href="#">5564-33082</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33124</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ

XPath	Card.	Verb	Data Type	CONF#	Value
@inversionInd	1..1	SHALL		<a href="#">5564-33125</a>	true
act	1..1	SHALL		<a href="#">5564-33083</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>
entryRelationship	0..1	MAY		<a href="#">5564-33084</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33126</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
supply	1..1	SHALL		<a href="#">5564-33085</a>	<a href="#">Medication Supply Order (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-33086</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33127</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
supply	1..1	SHALL		<a href="#">5564-33087</a>	<a href="#">Medication Dispense (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-33088</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33128</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = CAUS
observation	1..1	SHALL		<a href="#">5564-33089</a>	<a href="#">Reaction Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01)</a>
entryRelationship	0..1	MAY		<a href="#">5564-33090</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33130</a>	COMP
act	1..1	SHALL		<a href="#">5564-33091</a>	Drug Monitoring Act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.123)
entryRelationship	0..*	MAY		<a href="#">5564-33093</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33131</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
@inversionInd	1..1	SHALL		<a href="#">5564-33132</a>	true

XPath	Card.	Verb	Data Type	CONF#	Value
sequenceNumber	0..1	MAY		<a href="#">5564-33133</a>	
act	1..1	SHALL		<a href="#">5564-33094</a>	<a href="#">Substance Administered Act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.118)</a>
entryRelationship	0..*	MAY		<a href="#">5564-33097</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33135</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
substanceAdministration	1..1	SHALL		<a href="#">5564-33098</a>	<a href="#">Medication Free Text Sig (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.147)</a>
precondition	0..*	MAY		<a href="#">5564-33095</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33134</a>	PRCN
criterion	1..1	SHALL		<a href="#">5564-33096</a>	Precondition for Substance Administration (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.25:2014-06-09)

1. **SHALL** contain exactly one [1..1] **@classCode**="SBADM" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-33099).
2. **SHALL** contain exactly one [1..1] **@moodCode**, which **SHALL** be selected from ValueSet [MoodCodeEvnInt](#) urn:oid:2.16.840.1.113883.11.20.9.18 **STATIC** 2011-04-03 (CONF:5564-33100).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33069) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.16" (CONF:5564-33101).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33102).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-33103).
5. **MAY** contain zero or one [0..1] **code** (CONF:5564-33104).  
 Note: SubstanceAdministration.code is an optional field. Per HL7 Pharmacy Committee, "this is intended to further specify the nature of the substance administration act. To date the committee has made no use of this attribute". Because the type of substance administration is generally implicit in the routeCode, in the consumable participant, etc., the field is generally not used, and there is no defined value set.
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-33070).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [Medication Status](#) urn:oid:2.16.840.1.113762.1.4.1099.11 **DYNAMIC** (CONF:5564-33105).

The substance administration effectiveTime field can repeat, in order to represent varying levels of complex dosing. effectiveTime can be used to represent the duration of administration (e.g., "10 days"), the frequency of administration (e.g., "every 8 hours"), and more. Here, we require that there **SHALL** be an effectiveTime documentation of the duration (or single-administration timestamp), and that there **SHOULD** be an effectiveTime documentation of the frequency. Other timing nuances, supported by the base CDA R2 standard, may also be included.

7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-33071) such that it  
 Note: This effectiveTime represents either the medication duration (i.e., the time the medication was started and stopped) or the single-administration timestamp.
  - a. **SHOULD** contain zero or one [0..1] **@value** (CONF:5564-33106).  
 Note: indicates a single-administration timestamp
  - b. **SHOULD** contain zero or one [0..1] **low** (CONF:5564-33107).  
 Note: indicates when medication started
  - c. **MAY** contain zero or one [0..1] **high** (CONF:5564-33108).  
 Note: indicates when medication stopped
  - d. This effectiveTime **SHALL** contain either a low or a @value but not both (CONF:5564-33109).
8. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:5564-33072) such that it  
 Note: This effectiveTime represents the medication frequency (e.g., administration times per day).
  - a. **SHALL** contain exactly one [1..1] **@operator="A"** (CONF:5564-33110).
  - b. **SHALL** contain exactly one [1..1] **@xsi:type="PIVL\_TS" or "EIVL\_TS"** (CONF:5564-33111).

In "INT" (intent) mood, the repeatNumber defines the number of allowed administrations. For example, a repeatNumber of "3" means that the substance can be administered up to 3 times. In "EVN" (event) mood, the repeatNumber is the number of occurrences. For example, a repeatNumber of "3" in a substance administration event means that the current administration is the 3rd in a series.

9. **MAY** contain zero or one [0..1] **repeatNumber** (CONF:5564-33112).
10. **SHOULD** contain zero or one [0..1] **routeCode**, which **SHALL** be selected from ValueSet [SPL Drug Route of Administration Terminology](#)  
 urn:oid:2.16.840.1.113883.3.88.12.3221.8.7 **DYNAMIC** (CONF:5564-33073).
  - a. The routeCode, if present, **SHOULD** contain zero or more [0..\*] **translation**, which **SHALL** be selected from ValueSet [Medication Route](#)  
 urn:oid:2.16.840.1.113762.1.4.1099.12 **DYNAMIC** (CONF:5564-33113).
11. **MAY** contain zero or one [0..1] **approachSiteCode**, where the code **SHALL** be selected from ValueSet [Body Site Value Set](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 **DYNAMIC** (CONF:5564-33114).
12. **SHALL** contain exactly one [1..1] **doseQuantity** (CONF:5564-33074).

NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units

- a. This doseQuantity **SHOULD** contain zero or one [0..1] **@unit**, which **SHOULD** be selected from ValueSet [UnitsOfMeasureCaseSensitive](#)  
 urn:oid:2.16.840.1.113883.1.11.12839 **DYNAMIC** (CONF:5564-33115).

- b. Pre-coordinated consumable: If the consumable code is a pre-coordinated unit dose (e.g., "metoprolol 25mg tablet") then doseQuantity is a unitless number that indicates the number of products given per administration (e.g., "2", meaning 2 x "metoprolol 25mg tablet" per administration) (CONF:5564-33116).
- c. Not pre-coordinated consumable: If the consumable code is not pre-coordinated (e.g., is simply "metoprolol"), then doseQuantity must represent a physical quantity with @unit, e.g., "25" and "mg", specifying the amount of product given per administration (CONF:5564-33117).

13. **MAY** contain zero or one [0..1] **rateQuantity** (CONF:5564-33075).

NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units

- a. The rateQuantity, if present, **SHALL** contain exactly one [1..1] @unit, which **SHOULD** be selected from ValueSet [UnitsOfMeasureCaseSensitive](#) urn:oid:2.16.840.1.113883.1.11.12839 **DYNAMIC** (CONF:5564-33118).

14. **MAY** contain zero or one [0..1] **maxDoseQuantity** (CONF:5564-33119).

administrationUnitCode@code describes the units of medication administration for an item using a code that is pre-coordinated to include a physical unit form (ointment, powder, solution, etc.) which differs from the units used in administering the consumable (capful, spray, drop, etc.). For example when recording medication administrations, "metric drop (C48491)" would be appropriate to accompany the RxNorm code of 198283 (Timolol 0.25% Ophthalmic Solution) where the number of drops would be specified in doseQuantity@value.

15. **MAY** contain zero or one [0..1] **administrationUnitCode**, which **SHALL** be selected from ValueSet [AdministrationUnitDoseForm](#) urn:oid:2.16.840.1.113762.1.4.1021.30 **DYNAMIC** (CONF:5564-33120).

16. **SHALL** contain exactly one [1..1] **consumable** (CONF:5564-33076).

- a. This consumable **SHALL** contain exactly one [1..1] [Medication Information \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09) (CONF:5564-33077).

17. **MAY** contain zero or one [0..1] **performer** (CONF:5564-33121).

18. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-33092).

19. **MAY** contain zero or more [0..\*] **participant** (CONF:5564-33078) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="CSM" (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:5564-33122).
- b. **SHALL** contain exactly one [1..1] [Drug Vehicle](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.24) (CONF:5564-33079).

20. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33080) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="RSON" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33123).
- b. **SHALL** contain exactly one [1..1] [Indication \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:5564-33081).

21. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-33082) such that it
- a. **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33124).
  - b. **SHALL** contain exactly one [1..1] **@inversionInd="true"** True (CONF:5564-33125).
  - c. **SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:5564-33083).
22. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-33084) such that it
- a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33126).
  - b. **SHALL** contain exactly one [1..1] [Medication Supply Order \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09) (CONF:5564-33085).
23. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33086) such that it
- a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33127).
  - b. **SHALL** contain exactly one [1..1] [Medication Dispense \(V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01) (CONF:5564-33087).
24. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33088) such that it
- a. **SHALL** contain exactly one [1..1] **@typeCode="CAUS"** (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33128).
  - b. **SHALL** contain exactly one [1..1] [Reaction Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01) (CONF:5564-33089).
25. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-33090) such that it
- a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** Has component (CONF:5564-33130).
  - b. **SHALL** contain exactly one [1..1] Drug Monitoring Act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.123) (CONF:5564-33091).

The following entryRelationship is used to indicate a given medication's order in a series. The nested Substance Administered Act identifies an administration in the series. The entryRelationship/sequenceNumber shows the order of this particular administration in that series.

26. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33093) such that it
- a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33131).
  - b. **SHALL** contain exactly one [1..1] **@inversionInd="true"** (CONF:5564-33132).
  - c. **MAY** contain zero or one [0..1] **sequenceNumber** (CONF:5564-33133).

- d. **SHALL** contain exactly one [1..1] Substance Administered Act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.118) (CONF:5564-33094).
- 27. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33097) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** Has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33135).
  - b. **SHALL** contain exactly one [1..1] Medication Free Text Sig (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.147) (CONF:5564-33098).
- 28. **MAY** contain zero or more [0..\*] **precondition** (CONF:5564-33095).
  - a. The precondition, if present, **SHALL** contain exactly one [1..1] **@typeCode="PRCN"** (CONF:5564-33134).
  - b. The precondition, if present, **SHALL** contain exactly one [1..1] Precondition for Substance Administration (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.25:2014-06-09) (CONF:5564-33096).
- 29. Medication Activity **SHOULD** include doseQuantity **OR** rateQuantity (CONF:5564-33129).

**Table 209: Medication Status**

Value Set: Medication Status urn:oid:2.16.840.1.113762.1.4.1099.11 (Clinical Focus: A coded concept indicating the current status of a Medication administration or fulfillment.),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: All concepts are subsumed by the selected concepts.)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.11/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.11/expansion</a>			
Code	Code System	Code System OID	Print Name
aborted	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	aborted
active	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	active
completed	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	completed
nullified	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	nullified
suspended	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	suspended

**Figure 88: Medication Activity (NHCS V3) Example**

```
<substanceAdministration classCode="SBADM" moodCode="EVN">
  <!-- [Updated C-CDA R2] Medication Activity (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.16"
    extension="2025-08-01"/>
  <id root="6c844c75-aa34-411c-b7bd-5e4a9f206e29"/>
  <statusCode code="active"/>
  <effectiveTime xsi:type="IVL_TS">
    <low value="20120318"/>
  </effectiveTime>
  <effectiveTime xsi:type="PIVL_TS" institutionSpecified="true" operator="A">
    <period value="12" unit="h"/>
  </effectiveTime>
  <routeCode code="C38288"
    codeSystem="2.16.840.1.113883.3.26.1.1"
    codeSystemName="NCI Thesaurus"
    displayName="ORAL"/>
  <doseQuantity value="1"/>
  <consumable>
    <manufacturedProduct classCode="MANU">
      <!-- [C-CDA R2] Medication Information (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.23"
        extension="2014-06-09"/>
      <id root="2a620155-9d11-439e-92b3-5d9815ff4ee8"/>
      <manufacturedMaterial>
        <code code="197380"
          displayName="Atenolol 25 MG Oral Tablet"
          codeSystem="2.16.840.1.113883.6.88" codeSystemName="RxNorm"/>
      </manufacturedMaterial>
    </manufacturedProduct>
  </consumable>
  <entryRelationship typeCode="RSON">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA] Indication (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.19"
        extension="2014-06-09"/>
      <id root="e63166c7-6482-4a44-83a1-37ccdbde725b"/>
      <code code="75321-0"
        codeSystem="2.16.840.1.113883.6.1"
        codeSystemName="LOINC"
        displayName="Clinical finding"/>
      <statusCode code="completed"/>
      <value xsi:type="CD"
        code="38341003"
        displayName="Hypertension"
        codeSystem="2.16.840.1.113883.6.96"/>
    </observation>
  </entryRelationship>
</substanceAdministration>
```



**Figure 89: No Known Medications (NHCS V3) Example**

```
<substanceAdministration classCode="SBADM" moodCode="EVN" negationInd="true">
  <!-- [Updated C-CDA R2] Medication Activity (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.16"
    extension="2025-08-01"/>
  <id root="072f00fc-4f9d-4516-8d6f-ed00ed523fe0" />
  <statusCode code="active" />
  <effectiveTime xsi:type="IVL_TS">
    <low value="20110103" />
  </effectiveTime>
  <consumable>
    <manufacturedProduct classCode="MANU">
      <!-- [C-CDA R2] Medication Information (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.23"
        extension="2014-06-09"/>
      <manufacturedMaterial>
        <code nullFlavor="OTH" codeSystem="2.16.840.1.113883.6.88">
          <translation code="410942007"
            displayName="drug or medication"
            codeSystem="2.16.840.1.113883.6.96"
            codeSystemName="SNOMED CT" />
        </code>
      </manufacturedMaterial>
    </manufacturedProduct>
  </consumable>
</substanceAdministration>
```

### 3.39 Medication Dispense (V3)

[supply: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01  
(open)]

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**Table 210: Medication Dispense (V3) Contexts**

Contained By:	Contains:
<a href="#">Medication Activity (NHCS V3)</a> (optional) <a href="#">Immunization Activity (NHCS V4)</a> (optional)	<a href="#">US Realm Address (AD.US.FIELDDED)</a> (optional) <a href="#">Medication Supply Order (V2)</a> (optional) <a href="#">Medication Information (V2)</a> (optional) <a href="#">Immunization Medication Information (V2)</a> (optional)

This template records the act of supplying medications (i.e., dispensing). The moodCode equaling "EVN" (Event), signals that the "supply" has occurred and thus has been dispensed.

**Table 211: Medication Dispense (V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
supply (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01)					
@classCode	1..1	SHALL		<a href="#">4537-7451</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = SPLY
@moodCode	1..1	SHALL		<a href="#">4537-7452</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">4537-7453</a>	
@root	1..1	SHALL		<a href="#">4537-10505</a>	2.16.840.1.113883.10.20.22.4.18
@extension	1..1	SHALL		<a href="#">4537-32580</a>	2023-05-01
id	1..*	SHALL		<a href="#">4537-7454</a>	
code	1..1	SHALL		<a href="#">4537-32974</a>	urn:oid:2.16.840.1.113883.4.642.3.1312 (MedicationDispense Status Codes)
statusCode	1..1	SHALL		<a href="#">4537-7455</a>	
@code	1..1	SHALL		<a href="#">4537-32361</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	0..1	SHOULD		<a href="#">4537-7456</a>	
repeatNumber	0..1	SHOULD		<a href="#">4537-7457</a>	
quantity	0..1	SHOULD		<a href="#">4537-7458</a>	
product	0..1	MAY		<a href="#">4537-7459</a>	
manufacturedProduct	1..1	SHALL		<a href="#">4537-15607</a>	<a href="#">Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09)</a>
product	0..1	MAY		<a href="#">4537-9331</a>	
manufacturedProduct	1..1	SHALL		<a href="#">4537-31696</a>	<a href="#">Immunization Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09)</a>
performer	0..1	MAY		<a href="#">4537-7461</a>	
assignedEntity	1..1	SHALL		<a href="#">4537-7467</a>	
addr	0..1	SHOULD		<a href="#">4537-7468</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier:</a>

XPath	Card.	Verb	Data Type	CONF#	Value
					<a href="#">urn:oid:2.16.840.1.113883.10.20.22.5.2</a>
entryRelationship	0..1	MAY		<a href="#">4537-7473</a>	
@typeCode	1..1	SHALL		<a href="#">4537-7474</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
supply	1..1	SHALL		<a href="#">4537-15606</a>	<a href="#">Medication Supply Order (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="SPLY" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4537-7451).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4537-7452).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4537-7453) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.18" (CONF:4537-10505).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2023-05-01" (CONF:4537-32580).
4. **SHALL** contain at least one [1..\*] **id** (CONF:4537-7454).

The MedicationDispense Status Codes value set is the same value set used in the FHIR Dispense Resource, is broader than and has more meaningful codes for the act of dispensing than are permitted at actStatus in CDA, thus actStatus code is fixed to "completed". Comments are welcome as to if this will confuse the industry and instead there should not be constraints on Supply/actCode, and instead we should bind actStatus to the closest codes available in the [HL7 v3 Code System ActStatus](#) and provide a mapping to the FHIR set.

5. **SHALL** contain exactly one [1..1] **code**, which **SHALL** be selected from ValueSet [MedicationDispense Status Codes](#) urn:oid:2.16.840.1.113883.4.642.3.1312 **DYNAMIC** (CONF:4537-32974).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4537-7455).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:4537-32361).
7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:4537-7456).

In "EVN" (event) mood, the repeatNumber is the number of dispenses. For example, a repeatNumber of "3" indicates the third dispense.

8. **SHOULD** contain zero or one [0..1] **repeatNumber** (CONF:4537-7457).
9. **SHOULD** contain zero or one [0..1] **quantity** (CONF:4537-7458).
10. **MAY** contain zero or one [0..1] **product** (CONF:4537-7459) such that it

- a. **SHALL** contain exactly one [1..1] Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09) (CONF:4537-15607).
- 11. **MAY** contain zero or one [0..1] **product** (CONF:4537-9331) such that it
  - a. **SHALL** contain exactly one [1..1] Immunization Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09) (CONF:4537-31696).
- 12. **MAY** contain zero or one [0..1] **performer** (CONF:4537-7461).
  - a. The performer, if present, **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:4537-7467).
    - i. This assignedEntity **SHOULD** contain zero or one [0..1] US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-7468).
      - 1. The content of addr **SHALL** be a conformant US Realm Address (AD.US.FIELDDED) (2.16.840.1.113883.10.20.22.5.2) (CONF:4537-10565).
- 13. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:4537-7473) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:4537-7474).
  - b. **SHALL** contain exactly one [1..1] Medication Supply Order (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09) (CONF:4537-15606).
- 14. A supply act **SHALL** contain one product/Medication Information *OR* one product/Immunization Medication Information template (CONF:4537-9333).

**Table 212: MedicationDispense Status Codes**

Value Set: MedicationDispense Status Codes urn:oid:2.16.840.1.113883.4.642.3.1312 A FHIR value set reflecting the possible stages of a medication dispensation. Value Set Source: <a href="http://hl7.org/fhir/R4/valueset-medicationdispense-status.html">http://hl7.org/fhir/R4/valueset-medicationdispense-status.html</a>			
Code	Code System	Code System OID	Print Name
preparation	MedicationDispense Status Codes	urn:oid:2.16.840.1.113883.4.642.4.1313	Preparation
in-progress	MedicationDispense Status Codes	urn:oid:2.16.840.1.113883.4.642.4.1313	In-Progress
cancelled	MedicationDispense Status Codes	urn:oid:2.16.840.1.113883.4.642.4.1313	Cancelled
completed	MedicationDispense Status Codes	urn:oid:2.16.840.1.113883.4.642.4.1313	Completed
entered-in-error	MedicationDispense Status Codes	urn:oid:2.16.840.1.113883.4.642.4.1313	Entered in Error
stopped	MedicationDispense Status Codes	urn:oid:2.16.840.1.113883.4.642.4.1313	Stopped
declined	MedicationDispense Status Codes	urn:oid:2.16.840.1.113883.4.642.4.1313	Declined
unknown	MedicationDispense Status Codes	urn:oid:2.16.840.1.113883.4.642.4.1313	Unknown
...			

**Figure 90: Medication Dispense (V3) Example**

```

<supply classCode="SPLY" moodCode="EVN">
  <!-- ** Medication dispense (v3) ** -->
  <templateId root="2.16.840.1.113883.10.20.22.4.18"
    extension="2023-05-01"/>

  <id root="1.2.3.4.56789.1"
    extension="cb734647-fc99-424c-a864-7e3cda82e704"/>

  <!-- Medication Dispense Status -->
  <code code="in-progress" codeSystem="2.16.840.1.113883.4.642.4.1971"
codeSystemName="medicationdispense-status" displayName="In Progress"/>
  <!-- Fixed to completed -->
  <statusCode code="completed"/>
  <effectiveTime value="201208151450-0800"/>
  <repeatNumber value="1"/>
  <quantity value="75"/>
  <product>
    <manufacturedProduct classCode="MANU">
      <!-- ** Medication information ** -->
      <templateId root="2.16.840.1.113883.10.20.22.4.23"
        extension="2014-06-09"/>

      <templateId root="2.16.840.1.113883.10.20.22.4.23"/>
      <id root="2a620155-9d11-439e-92b3-5d9815ff4ee8"/>
      <manufacturedMaterial>
        <code code="573621"
          codeSystem="2.16.840.1.113883.6.88"
          displayName="Proventil 0.09 MG/ACTUAT
inhalant solution"
        />
      </manufacturedMaterial>
      <manufacturerOrganization>
        <name>Medication Factory Inc.</name>
      </manufacturerOrganization>
    </manufacturedProduct>
  </product>
  <performer>
    <assignedEntity>
      <id extension="333222222" root="2.16.840.1.113883.4.6"/>
      <addr>
        <streetAddressLine>1016 Health
          Drive</streetAddressLine>

        <city>Portland</city>
        <state>OR</state>
        <postalCode>99123</postalCode>
        <country>US</country>
      </addr>
      <telecom use="WP" value="tel:+1(555)555-1016"/>
      <assignedPerson>
        <name>
          <given>Susan</given>
          <family>Script</family>
          <suffix qualifier="AC">Pharm.D.</suffix>
        </name>
      </assignedPerson>
      <representedOrganization>
        <name>People's Pharmacy</name>

```

```
</representedOrganization>
</assignedEntity>
</performer>
</supply>
```

### 3.40 Medication Free Text Sig

[substanceAdministration: identifier urn:oid:2.16.840.1.113883.10.20.22.4.147  
(closed)]

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DSTU R1.1

**Table 213: Medication Free Text Sig Contexts**

Contained By:	Contains:
<a href="#">Medication Activity (NHCS V3)</a> (optional)	

The template is available to explicitly identify the free text Sig within each medication.  
An example free text sig: Thyroxin 150 ug, take one tab by mouth every morning.

**Table 214: Medication Free Text Sig Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
substanceAdministration (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.147)					
@classCode	1..1	SHALL		<a href="#">81-32770</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = SBADM
@moodCode	1..1	SHALL		<a href="#">81-32771</a>	urn:oid:2.16.840.1.113883.11.20.9.18 (MoodCodeEvnInt)
templateId	1..1	SHALL		<a href="#">81-32753</a>	
@root	1..1	SHALL		<a href="#">81-32772</a>	2.16.840.1.113883.10.20.22.4.147
code	1..1	SHALL		<a href="#">81-32775</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC)
@code	1..1	SHALL		<a href="#">81-32780</a>	76662-6
@codeSystem	1..1	SHALL		<a href="#">81-32781</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
text	1..1	SHALL		<a href="#">81-32754</a>	
reference	1..1	SHALL		<a href="#">81-32755</a>	
@value	0..1	SHOULD		<a href="#">81-32756</a>	
consumable	1..1	SHALL		<a href="#">81-32776</a>	
manufacturedProduct	1..1	SHALL		<a href="#">81-32777</a>	
manufacturedLabeledDrug	1..1	SHALL		<a href="#">81-32778</a>	
@nullFlavor	1..1	SHALL		<a href="#">81-32779</a>	NA

1. **SHALL** contain exactly one [1..1] **@classCode**="SBADM" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-32770).
2. **SHALL** contain exactly one [1..1] **@moodCode**, which **SHALL** be selected from ValueSet [MoodCodeEvnInt](#) urn:oid:2.16.840.1.113883.11.20.9.18 **STATIC** 2011-04-03 (CONF:81-32771).  
Note: moodCode must match the parent substanceAdministration EVN or INT
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-32753) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.147" (CONF:81-32772).
4. **SHALL** contain exactly one [1..1] **code** (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:81-32775).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="76662-6" Instructions Medication (CONF:81-32780).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 **STATIC**) (CONF:81-32781).
5. **SHALL** contain exactly one [1..1] **text** (CONF:81-32754).

Reference into the section/text to a tag that only contains free text sig.



- a. This text **SHALL** contain exactly one [1..1] **reference** (CONF:81-32755).
  - i. This reference **SHOULD** contain zero or one [0..1] **@value** (CONF:81-32756).
    - 1. This reference/**@value** **SHALL** begin with a '#' and **SHALL** point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:81-32774).
- 6. **SHALL** contain exactly one [1..1] **consumable** (CONF:81-32776).
  - a. This consumable **SHALL** contain exactly one [1..1] **manufacturedProduct** (CONF:81-32777).
    - i. This **manufacturedProduct** **SHALL** contain exactly one [1..1] **manufacturedLabeledDrug** (CONF:81-32778).
      - 1. This **manufacturedLabeledDrug** **SHALL** contain exactly one [1..1] **@nullFlavor="NA"** Not Applicable (CONF:81-32779).

**Figure 91: Medication Free Text Sig Example**

```
<!-- moodCode matches the parent substanceAdministration EVN or INT -->
<substanceAdministration classCode="SBADM" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.147"/>
  <code code="76662-6"
        codeSystem="2.16.840.1.113883.6.1"
        codeSystemName="LOINC"
        displayName="Medication Instructions"/>
  <text>
    <!-- Reference into the section.text to a tag that ONLY contains free text SIG -->
    <reference value="#AD1"/>
  </text>
  <consumable>
    <manufacturedProduct>
      <manufacturedLabeledDrug nullFlavor="NA"/>
    </manufacturedProduct>
  </consumable>
</substanceAdministration>
```

### 3.41 Medication Information (V2)

[manufacturedProduct: identifier  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09 (open)]

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DSTU R2

Table 215: Medication Information (V2) Contexts

Contained By:	Contains:
<a href="#">Planned Supply (V2)</a> (optional) <a href="#">Planned Medication Activity (V2)</a> (required) <a href="#">Medication Supply Order (V2)</a> (optional) <a href="#">Medication Dispense (V3)</a> (optional) <a href="#">Medication Activity (NHCS V3)</a> (required)	

A medication should be recorded as a pre-coordinated ingredient + strength + dose form (e.g., “metoprolol 25mg tablet”, “amoxicillin 400mg/5mL suspension”) where possible. This includes RxNorm codes whose Term Type is SCD (semantic clinical drug), SBD (semantic brand drug), GPCK (generic pack), BPCCK (brand pack).

The dose (doseQuantity) represents how many of the consumables are to be administered at each administration event. As a result, the dose is always relative to the consumable. Thus, a patient consuming a single "metoprolol 25mg tablet" per administration will have a doseQuantity of "1", whereas a patient consuming "metoprolol" will have a dose of "25 mg".

**Table 216: Medication Information (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
manufacturedProduct (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-7408</a>	urn:oid:2.16.840.1.113883.5.110 (HL7RoleClass) = MANU
templateId	1..1	SHALL		<a href="#">1098-7409</a>	
@root	1..1	SHALL		<a href="#">1098-10506</a>	2.16.840.1.113883.10.20.22.4.23
@extension	1..1	SHALL		<a href="#">1098-32579</a>	2014-06-09
id	0..*	MAY		<a href="#">1098-7410</a>	
manufacturedMaterial	1..1	SHALL		<a href="#">1098-7411</a>	
code	1..1	SHALL		<a href="#">1098-7412</a>	urn:oid:2.16.840.1.113762.1.4.1010.4 (Medication Clinical Drug)
translation	0..*	MAY		<a href="#">1098-31884</a>	urn:oid:2.16.840.1.113762.1.4.1010.2 (Clinical Substance)
manufacturerOrganization	0..1	MAY		<a href="#">1098-7416</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="MANU" (CodeSystem: HL7RoleClass urn:oid:2.16.840.1.113883.5.110 **STATIC**) (CONF:1098-7408).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-7409) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.23" (CONF:1098-10506).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32579).
3. **MAY** contain zero or more [0..\*] **id** (CONF:1098-7410).
4. **SHALL** contain exactly one [1..1] **manufacturedMaterial** (CONF:1098-7411).  
 Note: A medication should be recorded as a pre-coordinated ingredient + strength + dose form (e.g., "metoprolol 25mg tablet", "amoxicillin 400mg/5mL suspension") where possible. This includes RxNorm codes whose Term Type is SCD (semantic clinical drug), SBD (semantic brand drug), GPCK (generic pack), BPCK (brand pack).
  - a. This **manufacturedMaterial** **SHALL** contain exactly one [1..1] **code**, which **SHALL** be selected from ValueSet [Medication Clinical Drug](#) urn:oid:2.16.840.1.113762.1.4.1010.4 **DYNAMIC** (CONF:1098-7412).
    - i. This **code** **MAY** contain zero or more [0..\*] **translation**, which **MAY** be selected from ValueSet [Clinical Substance](#) urn:oid:2.16.840.1.113762.1.4.1010.2 **DYNAMIC** (CONF:1098-31884).
5. **MAY** contain zero or one [0..1] **manufacturerOrganization** (CONF:1098-7416).

**Table 217: Medication Clinical Drug**

<p>Value Set: Medication Clinical Drug urn:oid:2.16.840.1.113762.1.4.1010.4          (Clinical Focus: All prescribable medication formulations represented using either a "generic" or "brand-specific" concept developed to support HL7 C-CDA R2 October 2013 ballot.), (Data Element Scope: Medication orderable), (Inclusion Criteria: GROUPING value set made up of:          UNION(          Value set: Medication Clinical General Drug          OID: 2.16.840.1.113883.3.88.12.80.17          Value set: Medication Clinical Brand-specific Drug          OID: 2.16.840.1.113762.1.4.1010.5          ).), (Exclusion Criteria: none)           This value set was imported on 10/24/2024 with a version of Latest.          Value Set Source:  <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.4/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.4/expansion</a></p>			
Code	Code System	Code System OID	Print Name
1000000	RxNorm	urn:oid:2.16.840.1.113883.6.88	amlodipine 5 MG / hydrochlorothiazide 12.5 MG / olmesartan medoxomil 40 MG Oral Tablet [Tribenzor]
1000001	RxNorm	urn:oid:2.16.840.1.113883.6.88	amlodipine 5 MG / hydrochlorothiazide 25 MG / olmesartan medoxomil 40 MG Oral Tablet
1000005	RxNorm	urn:oid:2.16.840.1.113883.6.88	amlodipine 5 MG / hydrochlorothiazide 25 MG / olmesartan medoxomil 40 MG Oral Tablet [Tribenzor]
1000009	RxNorm	urn:oid:2.16.840.1.113883.6.88	dimethicone 100 MG/ML / miconazole nitrate 20 MG/ML / zinc oxide 100 MG/ML Topical Spray
1000013	RxNorm	urn:oid:2.16.840.1.113883.6.88	whole wheat allergenic extract 50 MG/ML Injectable Solution
1000015	RxNorm	urn:oid:2.16.840.1.113883.6.88	western wheatgrass pollen extract 10000 UNT/ML Injectable Solution
1000024	RxNorm	urn:oid:2.16.840.1.113883.6.88	methenamine mandelate 100 MG/ML Oral Suspension
1000025	RxNorm	urn:oid:2.16.840.1.113883.6.88	methenamine hippurate 1000 MG Oral Capsule
1000027	RxNorm	urn:oid:2.16.840.1.113883.6.88	methenamine mandelate 300 MG / sodium phosphate 500 MG Oral

			Tablet
1000048	RxNorm	urn:oid:2.16.840.1.113883.6.88	doxepin 10 MG Oral Capsule
...			

**Table 218: Clinical Substance**

Value Set: Clinical Substance urn:oid:2.16.840.1.113762.1.4.1010.2 (Clinical Focus: Any substance that can be ordered or is included in a clinical record. This is not restricted to medications.),(Data Element Scope: Clinical Substance ManufacturedProduct/manufacturedMaterial/code/translation/),(Inclusion Criteria: As defined in grouped value sets),(Exclusion Criteria: No drug classes)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.2/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.2/expansion</a>			
Code	Code System	Code System OID	Print Name
1000000	RxNorm	urn:oid:2.16.840.1.113883.6.88	amlodipine 5 MG / hydrochlorothiazide 12.5 MG / olmesartan medoxomil 40 MG Oral Tablet [Tribenzor]
1000001	RxNorm	urn:oid:2.16.840.1.113883.6.88	amlodipine 5 MG / hydrochlorothiazide 25 MG / olmesartan medoxomil 40 MG Oral Tablet
100000100004108	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Mismatch repair endonuclease PMS2 (substance)
1000005	RxNorm	urn:oid:2.16.840.1.113883.6.88	amlodipine 5 MG / hydrochlorothiazide 25 MG / olmesartan medoxomil 40 MG Oral Tablet [Tribenzor]
1000009	RxNorm	urn:oid:2.16.840.1.113883.6.88	dimethicone 100 MG/ML / miconazole nitrate 20 MG/ML / zinc oxide 100 MG/ML Topical Spray
1000013	RxNorm	urn:oid:2.16.840.1.113883.6.88	whole wheat allergenic extract 50 MG/ML Injectable Solution
1000015	RxNorm	urn:oid:2.16.840.1.113883.6.88	western wheatgrass pollen extract 10000 UNT/ML Injectable Solution
1000024	RxNorm	urn:oid:2.16.840.1.113883.6.88	methenamine mandelate 100 MG/ML Oral Suspension
1000025	RxNorm	urn:oid:2.16.840.1.113883.6.88	methenamine hippurate 1000 MG Oral Capsule
1000027	RxNorm	urn:oid:2.16.840.1.113883.6.88	methenamine mandelate 300 MG / sodium phosphate 500 MG Oral Tablet

...

**Figure 92: Medication Information (V2) Example**

```
<manufacturedProduct classCode="MANU">
  <!-- ** Medication information ** -->
  <templateId root="2.16.840.1.113883.10.20.22.4.23" extension="2014-06-09" />
  <id root="2a620155-9d11-439e-92b3-5d9815ff4ee8" />
  <manufacturedMaterial>
    <code code="745679" displayName="200 ACTUAT Albuterol 0.09 MG/ACTUAT Metered Dose
Inhaler" codeSystem="2.16.840.1.113883.6.88" codeSystemName="RxNorm" />
  </manufacturedMaterial>
  <manufacturerOrganization>
    <name>Medication Factory Inc.</name>
  </manufacturerOrganization>
</manufacturedProduct>
```

3.42 Medication Supply Order (V2)

[supply: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09  
(open)]

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DSTU R2

**Table 219: Medication Supply Order (V2) Contexts**

Contained By:	Contains:
<a href="#">Medication Dispense (V3)</a> (optional)	<a href="#">Medication Information (V2)</a> (optional)
<a href="#">Medication Activity (NHCS V3)</a> (optional)	<a href="#">Instruction (V2)</a> (optional)
<a href="#">Immunization Activity (NHCS V4)</a> (optional)	<a href="#">Immunization Medication Information (V2)</a> (optional)

This template records the intent to supply a patient with medications.

**Table 220: Medication Supply Order (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
supply (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-7427</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = SPLY
@moodCode	1..1	SHALL		<a href="#">1098-7428</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT
templateId	1..1	SHALL		<a href="#">1098-7429</a>	
@root	1..1	SHALL		<a href="#">1098-10507</a>	2.16.840.1.113883.10.20.22.4.17
@extension	1..1	SHALL		<a href="#">1098-32578</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-7430</a>	
statusCode	1..1	SHALL		<a href="#">1098-7432</a>	
@code	1..1	SHALL		<a href="#">1098-32362</a>	urn:oid:2.16.840.1.113883.1.11.15933 (ActStatus)
effectiveTime	0..1	SHOULD	IVL_TS	<a href="#">1098-15143</a>	
high	1..1	SHALL		<a href="#">1098-15144</a>	
repeatNumber	0..1	SHOULD		<a href="#">1098-7434</a>	
quantity	0..1	SHOULD		<a href="#">1098-7436</a>	
product	0..1	MAY		<a href="#">1098-7439</a>	
manufacturedProduct	1..1	SHALL		<a href="#">1098-16093</a>	<a href="#">Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09)</a>
product	0..1	MAY		<a href="#">1098-9334</a>	
manufacturedProduct	1..1	SHALL		<a href="#">1098-31695</a>	<a href="#">Immunization Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09)</a>
author	0..1	MAY		<a href="#">1098-7438</a>	
entryRelationship	0..1	MAY		<a href="#">1098-7442</a>	
@typeCode	1..1	SHALL		<a href="#">1098-7444</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ



XPath	Card.	Verb	Data Type	CONF#	Value
@inversionInd	1..1	SHALL		<a href="#">1098-7445</a>	true
act	1..1	SHALL		<a href="#">1098-31391</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="SPLY" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-7427).
2. **SHALL** contain exactly one [1..1] **@moodCode**="INT" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-7428).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-7429) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.17" (CONF:1098-10507).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32578).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-7430).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-7432).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [ActStatus](#) urn:oid:2.16.840.1.113883.1.11.15933 **DYNAMIC** (CONF:1098-32362).
6. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1098-15143) such that it
  - a. **SHALL** contain exactly one [1..1] **high** (CONF:1098-15144).

In "INT" (intent) mood, the repeatNumber defines the number of allowed dispensed. For example, a repeatNumber of "3" means that the substance can be dispensed up to 3 times.

7. **SHOULD** contain zero or one [0..1] **repeatNumber** (CONF:1098-7434).
8. **SHOULD** contain zero or one [0..1] **quantity** (CONF:1098-7436).
9. **MAY** contain zero or one [0..1] **product** (CONF:1098-7439) such that it
  - a. **SHALL** contain exactly one [1..1] [Medication Information \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09) (CONF:1098-16093).
10. **MAY** contain zero or one [0..1] **product** (CONF:1098-9334) such that it
  - a. **SHALL** contain exactly one [1..1] [Immunization Medication Information \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09) (CONF:1098-31695).
    - i. A supply act **SHALL** contain one product/Medication Information *OR* one product/Immunization Medication Information template (CONF:1098-16870).
11. **MAY** contain zero or one [0..1] **author** (CONF:1098-7438).
12. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:1098-7442).
  - a. The entryRelationship, if present, **SHALL** contain exactly one [1..1] **@typeCode**="SUBJ" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:1098-7444).

- b. The entryRelationship, if present, **SHALL** contain exactly one [1..1] **@inversionInd="true"** True (CONF:1098-7445).
- c. The entryRelationship, if present, **SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:1098-31391).

**Figure 93: Medication Supply Order (V2) Example**

```
<supply classCode="SPLY" moodCode="INT">
  <templateId root="2.16.840.1.113883.10.20.22.4.17" extension="2014-06-09" />
  <id root="aba2fc75-1a43-435f-8309-d24e4be5f1cd" />
  <statusCode code="completed" />
  <effectiveTime xsi:type="IVL_TS">
    <low value="20070103" />
    <high nullFlavor="UNK" />
  </effectiveTime>
  <repeatNumber value="1" />
  <quantity value="75" />
  <product>
    <manufacturedProduct classCode="MANU">
      <templateId root="2.16.840.1.113883.10.20.22.4.23" extension="2014-06-09" />
      . . .
    </manufacturedProduct>
  </product>
  <author>
    . . .
  </author>
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <act classCode="ACT" moodCode="INT">
      <templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />
      . . .
    </act>
  </entryRelationship>
</supply>
```

### 3.43 Mental Status Observation (NHCS V4)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 221: Mental Status Observation (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Mental Status Section (NHCS V3)</a> (optional) <a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Mental Status Organizer (NHCS V4)</a> (required)	<a href="#">Author Participation</a> (optional) <a href="#">Assessment Scale Observation (NHCS V3)</a> (optional)

The C-CDA template, Mental Status Observation (V3), has been versioned in this guide to support USCDI-v3.

The Mental Status Observation template represents an observation about mental status that can come from a broad range of subjective and objective information (including measured data) to address those categories described in the Mental Status Section. See also Assessment Scale Observation for specific collections of observations that together yield a summary evaluation of a particular condition.

**Table 222: Mental Status Observation (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-14249</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-14250</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-14255</a>	
@root	1..1	SHALL		<a href="#">5564-14256</a>	2.16.840.1.113883.10.20.22.4.74
@extension	1..1	SHALL		<a href="#">5564-32565</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-14257</a>	
code	1..1	SHALL		<a href="#">5564-14591</a>	
@code	1..1	SHALL		<a href="#">5564-32788</a>	373930000
@codeSystem	1..1	SHALL		<a href="#">5564-32789</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96
translation	1..1	SHALL		<a href="#">5564-32790</a>	
@code	1..1	SHALL		<a href="#">5564-32791</a>	75275-8
@codeSystem	1..1	SHALL		<a href="#">5564-32792</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">5564-14254</a>	
@code	1..1	SHALL		<a href="#">5564-19092</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">5564-14261</a>	
value	1..1	SHALL		<a href="#">5564-14263</a>	
author	0..*	SHOULD		<a href="#">5564-14266</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	MAY		<a href="#">5564-14469</a>	
@typeCode	1..1	SHALL		<a href="#">5564-14595</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP

XPath	Card.	Verb	Data Type	CONF#	Value
observation	1..1	SHALL		<a href="#">5564-14470</a>	<a href="#">Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>
referenceRange	0..*	MAY		<a href="#">5564-14267</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-14249).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-14250).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-14255) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.74" (CONF:5564-14256).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32565).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-14257).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-14591).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="373930000" Cognitive function (CONF:5564-32788).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:5564-32789).
  - c. This code **SHALL** contain exactly one [1..1] **translation** (CONF:5564-32790) such that it
    - i. **SHALL** contain exactly one [1..1] **@code**="75275-8" Cognitive Function (CONF:5564-32791).
    - ii. **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 **STATIC**) (CONF:5564-32792).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-14254).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:5564-19092).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-14261).
8. **SHALL** contain exactly one [1..1] **value** (CONF:5564-14263).
  - a. If xsi:type="CD", **SHOULD** contain a code from SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96) (CONF:5564-14271).
9. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-14266).
10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-14469) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="COMP" has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-14595).

- b. **SHALL** contain exactly one [1..1] [Assessment Scale Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01) (CONF:5564-14470).

The referenceRange could be used to represent normal or expected capability for the mental function being evaluated.

11. **MAY** contain zero or more [0..\*] **referenceRange** (CONF:5564-14267).

**Figure 94: Mental Status Observation (NHCS V4) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA R2.1] Mental Status Observation (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.74" extension="2025-08-01"/>
  <id root="faa09c19-falf-4a6c-ae79-10a3b711550f"/>
  <!-- In C-CDA R2.1 August 2015 this is a fixed code. SDWG may change to a value set in
STU comment 1367 -->
  <code codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" code="373930000"
displayName="Cognitive function finding">
    <translation code="75275-8" displayName="Cognitive function [Interpretation]"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
  </code>
  <statusCode code="completed"/>
  <effectiveTime>
    <!-- Some systems may just report this to day rather than hour and minute
timestamp. Both of which are acceptable. -->
    <low value="20120815173215-0500"/>
  </effectiveTime>
  <value xsi:type="CD" code="386807006" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED CT" displayName="Memory impairment"></value>
</observation>
```

### 3.44 Mental Status Organizer (NHCS V4)

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 223: Mental Status Organizer (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Mental Status Section (NHCS V3)</a> (optional)	<a href="#">Mental Status Observation (NHCS V4)</a> (required)

The C-CDA template, Mental Status Organizer (V3), has been versioned in this guide to support USCDI-v3.

The Mental Status Organizer template may be used to group related Mental Status Observations (e.g., results of mental tests) and associated Assessment Scale Observations into subcategories and/or groupings by time. Subcategories can be things such as Mood and Affect, Behavior, Thought Process, Perception, Cognition, etc.

**Table 224: Mental Status Organizer (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-14369</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER
@moodCode	1..1	SHALL		<a href="#">5564-14371</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-14375</a>	
@root	1..1	SHALL		<a href="#">5564-14376</a>	2.16.840.1.113883.10.20.22.4.75
@extension	1..1	SHALL		<a href="#">5564-32566</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-14377</a>	
code	1..1	SHALL		<a href="#">5564-14378</a>	
@code	1..1	SHALL		<a href="#">5564-14697</a>	
statusCode	1..1	SHALL		<a href="#">5564-14372</a>	
@code	1..1	SHALL		<a href="#">5564-19093</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	0..1	SHOULD		<a href="#">5564-32424</a>	
component	1..*	SHALL		<a href="#">5564-14373</a>	
observation	1..1	SHALL		<a href="#">5564-14381</a>	<a href="#">Mental Status Observation (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="CLUSTER" Cluster (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-14369).
  2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-14371).
  3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-14375) such that it
    - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.75" (CONF:5564-14376).
    - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32566).
  4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-14377).
- The code selected indicates the category that groups the contained mental status observations (e.g., communication, learning and applying knowledge).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-14378).

- a. This code **SHALL** contain exactly one [1..1] **@code** (CONF:5564-14697).
      - i. **SHOULD** be selected from ICF (codeSystem 2.16.840.1.113883.6.254) OR LOINC (codeSystem 2.16.840.1.113883.6.96) (CONF:5564-14698).
  6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-14372).
    - a. This statusCode **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:5564-19093).
- The effectiveTime is an interval that spans the effectiveTimes of the contained mental status observations. Because all contained mental status observations have a required time stamp, it is not required that this effectiveTime be populated.
7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:5564-32424).
  8. **SHALL** contain at least one [1..\*] **component** (CONF:5564-14373) such that it
    - a. **SHALL** contain exactly one [1..1] Mental Status Observation (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01) (CONF:5564-14381).

**Figure 95: Mental Status Organizer (NHCS V4) Example**

```
<organizer classCode="CLUSTER" moodCode="EVN">
  <!-- [Updated C-CDA R2.1] Mental Status Status Organizer (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.75" extension="2025-08-01" />
  <id root="a7bc1062-8649-42a0-833d-ekd65bd013c9" />
  <code code="75275-8" displayName="Cognitive function"
    codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" />
  <statusCode code="completed" />
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Mental Status Observation (NHCS V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.74" extension="2025-08-01" />
      ...
      <code code="373930000" displayName="Cognitive function"
        codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT">
        <translation code="75275-8" displayName="Cognitive function"
          codeSystem="2.16.840.1.113883.6.1"
          codeSystemName="LOINC"></translation>
        </code>
        <statusCode code="completed"/>
        ...
        <!-- Value element holds the Cognitive Function assessment -->
        ...
      </observation>
    </component>
    <component>
      <observation classCode="OBS" moodCode="EVN">
        <!-- [Updated C-CDA R2.1] Mental Status Observation (NHCS V4) -->
        <templateId root="2.16.840.1.113883.10.20.22.4.74" extension="2025-08-01" />
        ...
      </observation>
    </component>
  </organizer>
```



3.45 Non-Medicinal Supply Activity (V2)

[supply: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09 (open) ]

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DSTU R2

Table 225: Non-Medicinal Supply Activity (V2) Contexts

Contained By:	Contains:
<a href="#">Functional Status Section (NHCS V3)</a> (optional)	<a href="#">Product Instance</a> (optional)
<a href="#">Functional Status Observation (NHCS V3)</a> (optional)	<a href="#">Instruction (V2)</a> (optional)
<a href="#">Medical Equipment Section (NHCS V3)</a> (optional)	
<a href="#">Medical Equipment Organizer (NHCS V2)</a> (optional)	

This template represents equipment supplied to the patient (e.g., pumps, inhalers, wheelchairs). Devices applied to, or placed in, the patient are represented with the Product Instance entry contained within a Procedure Activity Procedure (V2) (identifier: urn:hl7ii: 2.16.840.1.113883.10.20.22.4.14)

**Table 226: Non-Medicinal Supply Activity (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
supply (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-8745</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = SPLY
@moodCode	1..1	SHALL		<a href="#">1098-8746</a>	urn:oid:2.16.840.1.113883.11.20.9.18 (MoodCodeEvnInt)
templateId	1..1	SHALL		<a href="#">1098-8747</a>	
@root	1..1	SHALL		<a href="#">1098-10509</a>	2.16.840.1.113883.10.20.22.4.50
@extension	1..1	SHALL		<a href="#">1098-32514</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-8748</a>	
statusCode	1..1	SHALL		<a href="#">1098-8749</a>	
@code	1..1	SHALL		<a href="#">1098-32363</a>	urn:oid:2.16.840.1.113883.1.1.1.15933 (ActStatus)
effectiveTime	0..1	SHOULD	IVL_TS	<a href="#">1098-15498</a>	
quantity	0..1	SHOULD		<a href="#">1098-8751</a>	
participant	0..1	MAY		<a href="#">1098-8752</a>	
@typeCode	1..1	SHALL		<a href="#">1098-8754</a>	urn:oid:2.16.840.1.113883.5.9.0 (HL7ParticipationType) = PRD
participantRole	1..1	SHALL		<a href="#">1098-15900</a>	<a href="#">Product Instance (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37)</a>
entryRelationship	0..1	MAY		<a href="#">1098-30277</a>	
@typeCode	1..1	SHALL		<a href="#">1098-30278</a>	SUBJ
@inversionInd	1..1	SHALL		<a href="#">1098-30279</a>	TRUE
act	1..1	SHALL		<a href="#">1098-31393</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>

1. **SHALL** contain exactly one [1..1] @classCode="SPLY" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-8745).
2. **SHALL** contain exactly one [1..1] @moodCode, which **SHALL** be selected from ValueSet [MoodCodeEvnInt](#) urn:oid:2.16.840.1.113883.11.20.9.18 **STATIC** 2011-04-03 (CONF:1098-8746).

3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-8747) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.50" (CONF:1098-10509).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32514).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-8748).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-8749).
  - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [ActStatus](#) urn:oid:2.16.840.1.113883.1.11.15933 **DYNAMIC** (CONF:1098-32363).
6. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1098-15498).
  - a. The **effectiveTime**, if present, **SHOULD** contain zero or one [0..1] *high* (CONF:1098-16867).
7. **SHOULD** contain zero or one [0..1] **quantity** (CONF:1098-8751).
8. **MAY** contain zero or one [0..1] **participant** (CONF:1098-8752) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="PRD" Product (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:1098-8754).
  - b. **SHALL** contain exactly one [1..1] [Product Instance](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37) (CONF:1098-15900).
9. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:1098-30277) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="SUBJ" (CONF:1098-30278).
  - b. **SHALL** contain exactly one [1..1] **@inversionInd**="TRUE" (CONF:1098-30279).
  - c. **SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:1098-31393).

**Figure 96: Non-Medicinal Supply Activity (V2) Example**

```
<supply classCode="SPLY" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.50" extension="2014-06-09" />
  <!-- Non-medicinal supply activity V2 template ***** -->
  <id root="39b5f1b4-a8e1-4ad7-8849-0deab10c97b1" />
  <statusCode code="completed" />
  <effectiveTime xsi:type="IVL_TS">
    <high value="20130703" />
  </effectiveTime>
  <quantity value="1" />
  <participant typeCode="PRD">
    <participantRole classCode="MANU">
      <templateId root="2.16.840.1.113883.10.20.22.4.37" />
      <!-- Product instance template -->
      <id root="24993f33-6222-41ce-add6-37a9d3da6acb" />
      <playingDevice>
        <code code="14106009" displayName="cardiac pacemaker, device (physical
object)" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT">
          <originalText>Cardiac Pacemaker</originalText>
        </code>
      </playingDevice>
      <scopingEntity>
        <id root="eb936010-7b17-11db-9fe1-0800200c9b65" />
        <desc>Good Health Durable Medical Equipment</desc>
      </scopingEntity>
    </participantRole>
  </participant>
</supply>
```

### 3.45.1 Non-Medicinal Supply Activity (UDI)

[supply: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.3.47:2019-08-01  
(open)]

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US Realm

**Table 227: Non-Medicinal Supply Activity (UDI) Contexts**

Contained By:	Contains:
<a href="#">Medical Equipment Section (UDI) (V2)</a> (optional)	<a href="#">Product Instance</a> (optional) <a href="#">UDI Organizer</a> (optional)

This template is based on the C-CDA Non-Medicinal Supply Activity (V2) template and further constrains that template to include the UDI Organizer to represent the UDI information of devices in the contained C-CDA Product Instance template about equipment supplied to the patient (e.g., pumps, inhalers, wheelchairs).

This template should only be used when both the UDI and parsed UDI data elements and associated metadata (device manufacturer, lot or batch number, serial number, manufacturing date, expiration date, distinct identification code, brand name, and model number, catalog number, company name,

MRI safety, latex safety, implantable device status) are available. Otherwise use the base template C-CDA Non-Medicinal Supply Activity (V2).

**Table 228: Non-Medicinal Supply Activity (UDI) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
supply (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.47:2019-08-01)					
@classCode	1..1	SHALL		<a href="#">4447-29056</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = SPLY
@moodCode	1..1	SHALL		<a href="#">4447-29057</a>	urn:oid:2.16.840.1.113883.11.20.9.18 (MoodCodeEvnInt)
templateId	1..1	SHALL		<a href="#">4447-29049</a>	
@root	1..1	SHALL		<a href="#">4447-29058</a>	2.16.840.1.113883.10.20.34.3.47
@extension	1..1	SHALL		<a href="#">4447-29059</a>	2019-08-01
participant	0..1	MAY		<a href="#">4447-29067</a>	
@typeCode	1..1	SHALL		<a href="#">4447-29069</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = PRD
participantRole	1..1	SHALL		<a href="#">4447-29068</a>	<a href="#">Product Instance (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37)</a>
entryRelationship	0..1	MAY		<a href="#">4447-29054</a>	
@typeCode	1..1	SHALL		<a href="#">4447-29065</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
organizer	1..1	SHALL		<a href="#">4447-29073</a>	<a href="#">UDI Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21)</a>

1. Conforms to [Non-Medicinal Supply Activity \(V2\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09).
2. **SHALL** contain exactly one [1..1] @classCode="SPLY" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4447-29056).
3. **SHALL** contain exactly one [1..1] @moodCode, which **SHALL** be selected from ValueSet [MoodCodeEvnInt](#) urn:oid:2.16.840.1.113883.11.20.9.18 **STATIC** 2011-04-03 (CONF:4447-29057).
4. **SHALL** contain exactly one [1..1] templateId (CONF:4447-29049) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.34.3.47" (CONF:4447-29058).
  - b. **SHALL** contain exactly one [1..1] @extension="2019-08-01" (CONF:4447-29059).
5. **MAY** contain zero or one [0..1] participant (CONF:4447-29067).

- a. The participant, if present, **SHALL** contain exactly one [1..1] @typeCode="PRD" Product (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:4447-29069).
  - b. The participant, if present, **SHALL** contain exactly one [1..1] Product Instance (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37) (CONF:4447-29068).
6. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:4447-29054) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-29065).
  - b. **SHALL** contain exactly one [1..1] UDI Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21) (CONF:4447-29073).

**Figure 97: Non-Medicinal Supply Activity (UDI) Example**

```
<!-- Non-Medicinal Supply Activity (UDI) -->
<supply classCode="SPLY" moodCode="EVN">
  <!-- Conforms to Non-Medicinal Supply Activity (V2) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.50" extension="2014-06-09" />
  <!-- Non-Medicinal Supply Activity (UDI) -->
  <templateId root="2.16.840.1.113883.10.20.34.3.47" extension="2019-08-01" />
  <id root="39b5f1b4-a8e1-4ad7-8849-0deab10c97b1" />
  <statusCode code="completed" />
  <participant typeCode="PRD">
    <participantRole classCode="MANU">
      <!-- Product instance template -->
      <templateId root="2.16.840.1.113883.10.20.22.4.37" />
      ...
    </participantRole>
  </participant>
  <entryRelationship typeCode="COMP">
    <!-- UDI Organizer -->
    <organizer classCode="CLUSTER" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.312" extension="2019-06-21" />
      ...
    </organizer>
  </entryRelationship>
</supply>
```

### 3.46 Note Activity

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01  
(open) ]

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**Table 229: Note Activity Contexts**

Contained By:	Contains:
<a href="#">Care Team Member Act (V2)</a> (optional) <a href="#">Care Team Organizer (V2)</a> (optional) <a href="#">Current Inpatient Visit (V4)</a> (optional) <a href="#">Current Emergency Department Visit (V5)</a> (optional) <a href="#">Current Outpatient Visit (V6)</a> (optional)	<a href="#">US Realm Person Name (PN.US.FIELDDED)</a> (optional) <a href="#">Author Participation</a> (required) <a href="#">US Realm Date and Time (DT.US.FIELDDED)</a> (optional)

The Note Activity represents a clinical note. Notes require authorship, authentication, timing information, and references to other discrete data such as encounters. Similar to the Comment Activity, the Note Activity permits a more specific code to characterize the type of information available in the note. The Note Activity template SHOULD NOT be used in place of a more specific C-CDA entry. Note information included needs to be relevant and pertinent to the information being communicated in the document.

When the note information augments data represented in a more specific entry template, the Note Activity can be used in an entryRelationship to the associated standard C-CDA entry. For example, a Procedure Note added as an entryRelationship to a Procedure Activity Procedure entry).

The Note Activity template can be used as a standalone entry within a standard C-CDA section (e.g., a note about various procedures which have occurred during a visit as an entry in the Procedures Section) when it does not augment another standard entry. It may also be used to provide additional data about the source of a currently narrative-only section, such as Hospital Course.

Finally, if the type of data in the note is not known or no single C-CDA section is appropriate enough, the Note Activity should be placed in a Notes Section. (e.g., a free-text consultation note or a note which includes subjective, objective, assessment, and plan information combined).

An alternative is to place the Note Activity as an entryRelationship to an Encounter Activity entry in the Encounters Section, but implementers may wish to group notes categorically into a separate location in CDA documents rather than overloading the Encounters Section.

**Table 230: Note Activity Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01)					
@classCode	1..1	SHALL		<a href="#">3250-16899</a>	ACT
@moodCode	1..1	SHALL		<a href="#">3250-16900</a>	EVN
templateId	1..1	SHALL		<a href="#">3250-16933</a>	
@root	1..1	SHALL		<a href="#">3250-16934</a>	2.16.840.1.113883.10.20.22.4.202
@extension	1..1	SHALL		<a href="#">3250-16937</a>	2016-11-01
code	1..1	SHALL		<a href="#">3250-16895</a>	
@code	1..1	SHALL		<a href="#">3250-16940</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 34109-9
@codeSystem	1..1	SHALL		<a href="#">3250-16941</a>	2.16.840.1.113883.6.1
translation	0..*	SHOULD		<a href="#">3250-16939</a>	urn:oid:2.16.840.1.113883.11.20.9.68 (Note Types)
text	1..1	SHALL		<a href="#">3250-16896</a>	
@mediaType	0..1	MAY		<a href="#">3250-16906</a>	urn:oid:2.16.840.1.113883.11.20.7.1 (SupportedFileFormats)
reference	1..1	SHALL		<a href="#">3250-16897</a>	
@nullFlavor	0..0	SHALL NOT		<a href="#">3250-16920</a>	
@value	1..1	SHALL		<a href="#">3250-16898</a>	
statusCode	1..1	SHALL		<a href="#">3250-16916</a>	
effectiveTime	1..1	SHALL		<a href="#">3250-16903</a>	
@value	0..1	SHOULD		<a href="#">3250-16917</a>	
author	1..*	SHALL		<a href="#">3250-16913</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	0..*	MAY		<a href="#">3250-16923</a>	
@typeCode	1..1	SHALL		<a href="#">3250-16925</a>	LA
time	1..1	SHALL		<a href="#">3250-</a>	<a href="#">US Realm Date and Time</a>



XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">16926</a>	<a href="#">(DT.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.3)</a>
participantRole	1..1	SHALL		<a href="#">3250-16924</a>	
id	1..*	SHALL		<a href="#">3250-16927</a>	
playingEntity	0..1	MAY		<a href="#">3250-16928</a>	
name	1..*	SHALL		<a href="#">3250-16929</a>	<a href="#">US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)</a>
entryRelationship	0..*	SHOULD		<a href="#">3250-16907</a>	
@typeCode	1..1	SHALL		<a href="#">3250-16921</a>	COMP
@inversionInd	1..1	SHALL		<a href="#">3250-16922</a>	true
@negationInd	0..1	MAY		<a href="#">3250-16931</a>	
encounter	1..1	SHALL		<a href="#">3250-16908</a>	
id	1..*	SHALL		<a href="#">3250-16909</a>	
reference	0..*	MAY		<a href="#">3250-16910</a>	
externalDocument	1..1	SHALL		<a href="#">3250-16911</a>	
id	1..1	SHALL		<a href="#">3250-16915</a>	
code	0..1	SHOULD		<a href="#">3250-16918</a>	

1. **SHALL** contain exactly one [1..1] @classCode="ACT" Act (CONF:3250-16899).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CONF:3250-16900).
3. **SHALL** contain exactly one [1..1] templateId (CONF:3250-16933) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.202" (CONF:3250-16934).
  - b. **SHALL** contain exactly one [1..1] @extension="2016-11-01" (CONF:3250-16937).
4. **SHALL** contain exactly one [1..1] code (CONF:3250-16895).
  - a. This code **SHALL** contain exactly one [1..1] @code="34109-9" Note (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:3250-16940).
  - b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" LOINC (CONF:3250-16941).

- c. This code **SHOULD** contain zero or more [0..\*] **translation**, which **SHOULD** be selected from ValueSet [Note Types](#) urn:oid:2.16.840.1.113883.11.20.9.68 **DYNAMIC** (CONF:3250-16939).
  - i. If the Note Activity is within a Note Section, the translation **SHOULD** match or specialize the section code (CONF:3250-16942).  
Note: For example, a cardiologist consult note may specialize a consult note but not a progress note.
  - ii. If the Note Activity is within a narrative-only section (e.g. Hospital Course), the translation **MAY** match the section code (CONF:3250-16943).
- 5. **SHALL** contain exactly one [1..1] **text** (CONF:3250-16896).

If the note was originally in another format, such as RTF, this element may also contain the base-64-encoded raw data of the note in addition to a reference to the narrative.

- a. This text **MAY** contain zero or one [0..1] **@mediaType**, which **SHOULD** be selected from ValueSet [SupportedFileFormats](#) urn:oid:2.16.840.1.113883.11.20.7.1 **DYNAMIC** (CONF:3250-16906).
  - i. If @mediaType is present, the text **SHALL** contain exactly one [1..1] **@representation="B64"** and mixed content corresponding to the contents of the note (CONF:3250-16912).
- b. This text **SHALL** contain exactly one [1..1] **reference** (CONF:3250-16897).

The note activity must reference human-readable content in the narrative, so this reference must not be null.

- i. This reference **SHALL NOT** contain [0..0] **@nullFlavor** (CONF:3250-16920).
- ii. This reference **SHALL** contain exactly one [1..1] **@value** (CONF:3250-16898).
  - 1. This reference/@value **SHALL** begin with a '#' and **SHALL** point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:3250-16902).

Indicates the status of the note. The most common statusCode is completed indicating the note is signed and finalized.

- 6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:3250-16916).

The effectiveTime represents the clinically relevant time of the note. The precise timestamp of creation / updating should be conveyed in author/time.

- 7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:3250-16903).
  - a. This effectiveTime **SHOULD** contain zero or one [0..1] **@value** (CONF:3250-16917).

Represents the person(s) who wrote the note.

- 8. **SHALL** contain at least one [1..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:3250-16913).

Represents the person(s) legally responsible for the contents of the note.

- 9. **MAY** contain zero or more [0..\*] **participant** (CONF:3250-16923) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="LA"** Legal Authenticator (CONF:3250-16925).

Indicates the time of signing the note.

- b. **SHALL** contain exactly one [1..1] US Realm Date and Time (DT.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.3) (CONF:3250-16926).
- c. **SHALL** contain exactly one [1..1] **participantRole** (CONF:3250-16924).

This may be the ID of the note author. If so, no additional information in this participant is required.

- i. This participantRole **SHALL** contain at least one [1..\*] **id** (CONF:3250-16927).
- ii. This participantRole **MAY** contain zero or one [0..1] **playingEntity** (CONF:3250-16928).
  - 1. The playingEntity, if present, **SHALL** contain at least one [1..\*] US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:3250-16929).
- iii. If no id matches an author or participant elsewhere in the document, then playingEntity **SHALL** be present (CONF:3250-16930).

Links the note to an encounter. If the Note Activity is present within a document containing an encompassingEncounter, then this entryRelationship is optional and the note is associated with the encounter represented by the encompassingEncounter.

10. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:3250-16907) such that it

- a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** (CONF:3250-16921).
- b. **SHALL** contain exactly one [1..1] **@inversionInd="true"** (CONF:3250-16922).

To communicate that the note is not associated with any encounter, this entryRelationship MAY be included with **@negationInd="true"** and **encounter/id/@nullFlavor="NA"**. The negationInd + encounter indicate this note is not associated with any encounter.

- c. **MAY** contain zero or one [0..1] **@negationInd** (CONF:3250-16931).
- d. **SHALL** contain exactly one [1..1] **encounter** (CONF:3250-16908).
  - i. This encounter **SHALL** contain at least one [1..\*] **id** (CONF:3250-16909).
    - 1. If the id does not match an encounter/id from the Encounters Section or encompassingEncounter within the same document and the id does not contain **@nullFlavor="NA"**, then this entry **SHALL** conform to the Encounter Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2015-08-01) (CONF:3250-16914).

Represents an unstructured C-CDA document containing the original contents of the note in the original format.

11. **MAY** contain zero or more [0..\*] **reference** (CONF:3250-16910) such that it

- a. **SHALL** contain exactly one [1..1] **externalDocument** (CONF:3250-16911).
  - i. This externalDocument **SHALL** contain exactly one [1..1] **id** (CONF:3250-16915).
  - ii. This externalDocument **SHOULD** contain zero or one [0..1] **code** (CONF:3250-16918).

**Table 231: SupportedFileFormats**

Value Set: SupportedFileFormats urn:oid:2.16.840.1.113883.11.20.7.1 (Clinical Focus: Indicates the file format of an unstructured document contained in a CDA Unstructured Document.),(Data Element Scope: File format concepts selected from the mediatype code system.),(Inclusion Criteria: Include concepts where the file format is supported by an Unstructured Document.),(Exclusion Criteria: Exclude concepts where the file format is not supported by an Unstructured Document.)  This value set was imported on 11/23/2022 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.7.1/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.7.1/expansion</a>			
Code	Code System	Code System OID	Print Name
application/msword	Media Type	urn:oid:2.16.840.1.113883.5.79	MSWORD
application/pdf	Media Type	urn:oid:2.16.840.1.113883.5.79	PDF
audio	Media Type	urn:oid:2.16.840.1.113883.5.79	AudioMediaType
audio/basic	Media Type	urn:oid:2.16.840.1.113883.5.79	Basic Audio
audio/k32adpcm	Media Type	urn:oid:2.16.840.1.113883.5.79	K32ADPCM Audio
audio/mpeg	Media Type	urn:oid:2.16.840.1.113883.5.79	MPEG audio layer 3
image/gif	Media Type	urn:oid:2.16.840.1.113883.5.79	GIF Image
image/jpeg	Media Type	urn:oid:2.16.840.1.113883.5.79	JPEG Image
image/png	Media Type	urn:oid:2.16.840.1.113883.5.79	PNG Image
image/tiff	Media Type	urn:oid:2.16.840.1.113883.5.79	TIFF Image
...			

**Table 232: Note Types**

<p>Value Set: Note Types urn:oid:2.16.840.1.113883.11.20.9.68</p> <p>(Clinical Focus: Types of clinical notes that may exist in an EHR as narrative text, and may not have associated structured data, but are relevant and need to be included in the interoperable documentation as narrative notes. Although the content of the note is not coded, the type of note is known. The note type code is used to encode the type of note being exchanged.), (Data Element Scope: Section or entry.), (Inclusion Criteria: LOINC codes where class=DOC.ontology.), (Exclusion Criteria: CHARINDEX('CONSENT',LNC.COMPONENT) = 0 OR CHARINDEX('Advance directives',LNC.COMPONENT) = 0 OR CHARINDEX('Agreement',LNC.COMPONENT) = 0 OR CHARINDEX('ALERT',LNC.COMPONENT) = 0 OR CHARINDEX('REPORT',LNC.COMPONENT) = 0 OR CHARINDEX('certificate',LNC.COMPONENT) = 0 OR CHARINDEX('Flowsheet',LNC.COMPONENT) = 0 OR CHARINDEX('SIGNOUT NOTE',LNC.COMPONENT) = 0 OR CHARINDEX('DIAGRAM',LNC.COMPONENT) = 0 OR CHARINDEX('Do not resuscitate',LNC.COMPONENT) = 0 OR CHARINDEX('LICENSE',LNC.COMPONENT) = 0 OR CHARINDEX('Form',LNC.COMPONENT) = 0 OR CHARINDEX('Letter',LNC.COMPONENT) = 0 OR CHARINDEX('document',LNC.COMPONENT) = 0 OR CHARINDEX('Living will',LNC.COMPONENT) = 0 OR CHARINDEX('Power of attorney',LNC.COMPONENT) = 0 OR CHARINDEX('Prescription',LNC.COMPONENT) = 0 OR CHARINDEX('VA C&amp;P',LNC.COMPONENT) = 0 OR CHARINDEX('product list',LNC.COMPONENT) = 0 OR CHARINDEX('IMAGE',LNC.COMPONENT) = 0 OR CHARINDEX('ORDER',LNC.COMPONENT) = 0 OR CHARINDEX('CARD',LNC.COMPONENT) = 0)</p> <p>This value set was imported on 11/22/2022 with a version of Latest.</p> <p>Value Set Source:  <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.68/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.68/expansion</a></p>			
Code	Code System	Code System OID	Print Name
100018-1	LOINC	urn:oid:2.16.840.1.113883.6.1	Hospice care Note
11488-4	LOINC	urn:oid:2.16.840.1.113883.6.1	Consult note
11490-0	LOINC	urn:oid:2.16.840.1.113883.6.1	Physician Discharge summary
11492-6	LOINC	urn:oid:2.16.840.1.113883.6.1	Provider-unspecified, History and physical note
11502-2	LOINC	urn:oid:2.16.840.1.113883.6.1	Laboratory report
11504-8	LOINC	urn:oid:2.16.840.1.113883.6.1	Surgical operation note
11505-5	LOINC	urn:oid:2.16.840.1.113883.6.1	Physician procedure note
11506-3	LOINC	urn:oid:2.16.840.1.113883.6.1	Progress note
11507-1	LOINC	urn:oid:2.16.840.1.113883.6.1	Occupational therapy Progress note
11508-9	LOINC	urn:oid:2.16.840.1.113883.6.1	Physical therapy Progress note
...			



**Figure 98: Note Activity as entryRelationship to C-CDA Entry**

```
<?xml version="1.0" encoding="UTF-8"?>
<section>
  <!-- C-CDA 2.1 Procedures Section -->
  <templateId root="2.16.840.1.113883.10.20.22.2.7.1"/>
  <templateId root="2.16.840.1.113883.10.20.22.2.7.1" extension="2014-06-09"/>
  <code code="47519-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="HISTORY OF PROCEDURES"/>
  <title>Procedures</title>
  <text>
    <table>
      <thead>
        <tr>
          <th>Description</th>
          <th>Date and Time (Range)</th>
          <th>Status</th>
          <th>Notes</th>
        </tr>
      </thead>
      <tbody>
        <tr ID="Procedure1">
          <td ID="ProcedureDesc1">Laparoscopic appendectomy</td>
          <td>(03 Feb 2014 09:22am- 03 Feb 2014 11:15am)</td>
          <td>Completed</td>
          <td ID="ProcedureNote1">
            <paragraph>Dr. Physician - 03 Feb 2014</paragraph>
            <paragraph>Free-text note about the procedure.</paragraph>
          </td>
        </tr>
      </tbody>
    </table>
  </text>
  <entry typeCode="DRIV">
    <!-- Procedures should be used for care that directly changes the patient's
physical state.-->
    <procedure moodCode="EVN" classCode="PROC">
      <templateId root="2.16.840.1.113883.10.20.22.4.14" extension="2014-06-09"/>
      <id root="64af26d5-88ef-4169-ba16-c6ef16a1824f"/>
      <code code="6025007" displayName="Laparoscopic appendectomy"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED-CT">
        <originalText>
          <reference value="#ProcedureDesc1" />
        </originalText>
      </code>
      <text>
        <reference value="#Procedure1" />
      </text>
      <statusCode code="completed" />
      <effectiveTime>
        <low value="20140203092205-0700" />
        <high value="20140203111514-0700" />
      </effectiveTime>
      <!-- Note Activity entry -->
      <entryRelationship typeCode="COMP">
        <act classCode="ACT" moodCode="EVN">
```

```

                                <templateId root="2.16.840.1.113883.10.20.22.4.202" extension="2016-11-
01"/>
                                <code code="34109-9" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="note">
                                    <translation code="28570-0" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Procedure note" />
                                </code>
                                <text>
                                    <reference value="#ProcedureNote1" />
                                </text>
                                <statusCode code="completed"/>
                                <!-- Clinically-relevant time of the note -->
                                <effectiveTime value="20140203" />
                                <!-- Author Participation -->
                                <author>
                                    <templateId root="2.16.840.1.113883.10.20.22.4.119" />
                                    <!-- Time note was actually written -->
                                    <time value="20140204083215-0500" />
                                    <assignedAuthor>
                                        <id root="20cf14fb-b65c-4c8c-a54d-b0cca834c18c" />
                                        <assignedPerson>
                                            <name>Dr. Physician</name>
                                        </assignedPerson>
                                    </assignedAuthor>
                                </author>
                                <!-- Reference to encounter -->
                                <entryRelationship typeCode="COMP" inversionInd="true">
                                    <encounter classCode="ENC" moodCode="EVN">
                                        <!-- Encounter ID matches an encounter in the Encounters
Section -->
                                            <id root="1.2.3.4" />
                                        </encounter>
                                    </entryRelationship>
                                </act>
                            </entryRelationship>
                        </procedure>
                    </entry>
</section>

```



**Figure 99: Note Activity as Standalone Entry**

```
<section>
  <!-- C-CDA 2.1 Procedures Section, entries optional -->
  <templateId root="2.16.840.1.113883.10.20.22.2.7"/>
  <templateId root="2.16.840.1.113883.10.20.22.2.7" extension="2014-06-09"/>
  <code code="47519-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="HISTORY OF PROCEDURES"/>
  <title>Procedures</title>
  <text>
    <list>
      <item ID="ProcedureNote1">
        <paragraph>Dr. Physician - 03 Feb 2014</paragraph>
        <paragraph>Free-text note about procedures which have occurred during this
visit.</paragraph>
      </item>
    </list>
  </text>
  <!-- If section were entries required, an additional <entry nullFlavor="NI"> would be
required for a Procedure Activity -->
  <!-- Note Activity entry -->
  <entry>
    <act classCode="ACT" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.202" extension="2016-11-01"/>
      <code code="34109-9" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Note">
        <translation code="28570-0" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Procedure note" />
      </code>
      <text>
        <reference value="#ProcedureNote1" />
      </text>
      <statusCode code="completed"/>
      <!-- Clinically-relevant time of the note -->
      <effectiveTime value="20140203" />
      <!-- Author Participation -->
      <author>
        <templateId root="2.16.840.1.113883.10.20.22.4.119" />
        <!-- Time note was actually written -->
        <time value="20140204083215-0500" />
        <assignedAuthor>
          <id root="20cf14fb-b65c-4c8c-a54d-b0cca834c18c" />
          <assignedPerson>
            <name>Dr. Physician</name>
          </assignedPerson>
        </assignedAuthor>
      </author>
      <!-- Reference to encounter -->
      <entryRelationship typeCode="COMP" inversionInd="true">
        <encounter classCode="ENC" moodCode="EVN">
          <!-- Encounter ID matches an encounter in the Encounters Section -->
          <id root="1.2.3.4" />
        </encounter>
      </entryRelationship>
    </act>
  </entry>
</section>
```

**Figure 100: RTF Example**

```
<section>
  <text>
    <list>
      <item ID="note1">
        <caption>Nursing Note written by Nick Nurse</caption>
        <paragraph>Completed rounds; no incident</paragraph>
      </item>
    </list>
  </text>
  <!-- Note Activity (extra markup removed to focus on <text>) -->
  <entry>
    <act>
      <code>...</code>
      <text mediaType="text/rtf"
representation="B64">e1xydGYxXGFuc2lcYW5zaWNwZzEyNTJcZGVmZjBcbm9laWNvbXBhdFxxZWZsYW5nMTAzM3
tcZm9udHRibHtcZjBcZm5pbFxmY2hhcnNldDagQ2FsaWJyaTt9fQ0KelwqXGdlbmVyYXRvciBSaWN0ZWQyMCA2LjMuO
TYwMHlcdmllld2tpbmQ0XHvjMSANC1xwYXJkXHNhMjAwXHNsMjc2XHNsbXVsdDFcZjBcZnMyMlxsYW5nOSBDd2lwbGV0
ZWQgcml1bmRzOyBubyBpbmNpZGVudFxxYXINCn0NCiA=

          <reference value="#note1"/>
        </text>
        <!--...-->
      </act>
    </entry>
  </section>
```

### 3.47 Number of Pressure Ulcers Observation (V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.76:2015-08-01  
(open)]

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**Table 233: Number of Pressure Ulcers Observation (V3) Contexts**

Contained By:	Contains:
<a href="#">Longitudinal Care Wound Observation (V2)</a> (optional)	

This template represents the number of pressure ulcers observed at a particular stage.

**Table 234: Number of Pressure Ulcers Observation (V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.76:2015-08-01)					
@classCode	1..1	SHALL		<a href="#">1198-14705</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1198-14706</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1198-14707</a>	
@root	1..1	SHALL		<a href="#">1198-14708</a>	2.16.840.1.113883.10.20.22.4.76
@extension	1..1	SHALL		<a href="#">1198-32604</a>	2015-08-01
id	1..*	SHALL		<a href="#">1198-14709</a>	
code	1..1	SHALL		<a href="#">1198-14767</a>	
@code	1..1	SHALL		<a href="#">1198-14768</a>	2264892003
@codeSystem	1..1	SHALL		<a href="#">1198-32164</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96
translation	1..1	SHALL		<a href="#">1198-32849</a>	
@code	1..1	SHALL		<a href="#">1198-32850</a>	75277-4
@codeSystem	1..1	SHALL		<a href="#">1198-32851</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">1198-14714</a>	
@code	1..1	SHALL		<a href="#">1198-19108</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1198-14715</a>	
value	1..1	SHALL	INT	<a href="#">1198-14771</a>	
author	0..1	MAY		<a href="#">1198-14717</a>	
entryRelationship	1..1	SHALL		<a href="#">1198-14718</a>	
@typeCode	1..1	SHALL		<a href="#">1198-14719</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
observation	1..1	SHALL		<a href="#">1198-14720</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
@classCode	1..1	SHALL		<a href="#">1198-14721</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1198-14722</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
code	1..1	SHALL		<a href="#">1198-31930</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = ASSERTION
value	1..1	SHALL	CD	<a href="#">1198-14725</a>	urn:oid:2.16.840.1.113883.11.20.9.35 (Pressure Ulcer Stage)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-14705).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-14706).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-14707) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.76" (CONF:1198-14708).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32604).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1198-14709).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1198-14767).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="2264892003" Number of pressure ulcers (CONF:1198-14768).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96 **STATIC**) (CONF:1198-32164).
  - c. This code **SHALL** contain exactly one [1..1] **translation** (CONF:1198-32849) such that it
    - i. **SHALL** contain exactly one [1..1] **@code**="75277-4" Number of pressure ulcers (CONF:1198-32850).
    - ii. **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-32851).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-14714).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1198-19108).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1198-14715).
8. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="INT" (CONF:1198-14771).
9. **MAY** contain zero or one [0..1] **author** (CONF:1198-14717).
10. **SHALL** contain exactly one [1..1] **entryRelationship** (CONF:1198-14718) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="SUBJ" Has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:1198-14719).

- b. **SHALL** contain exactly one [1..1] **observation** (CONF:1198-14720).
- i. This observation **SHALL** contain exactly one [1..1] **@classCode="OBS"** (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-14721).
  - ii. This observation **SHALL** contain exactly one [1..1] **@moodCode="EVN"** (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-14722).
  - iii. This observation **SHALL** contain exactly one [1..1] **code="ASSERTION"** Assertion (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:1198-31930).
  - iv. This observation **SHALL** contain exactly one [1..1] **value** with **@xsi:type="CD"**, where the code **SHOULD** be selected from ValueSet [Pressure Ulcer Stage](https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.35) urn:oid:2.16.840.1.113883.11.20.9.35 **DYNAMIC** (CONF:1198-14725).

**Table 235: Pressure Ulcer Stage**

Value Set: Pressure Ulcer Stage urn:oid:2.16.840.1.113883.11.20.9.35 (Clinical Focus: Pressure Injury (ulcer) stages),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 6/26/2019 with a version of 20190319. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.35/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.35/expansion</a>			
Code	Code System	Code System OID	Print Name
420324007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Pressure ulcer stage 2 (disorder)
420597008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Pressure ulcer stage 4 (disorder)
421076008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Pressure ulcer stage 1 (disorder)
421594008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Nonstageable pressure ulcer (disorder)
421927004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Pressure ulcer stage 3 (disorder)
723071003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Pressure injury of deep tissue (disorder)

**Figure 101: Number of Pressure Ulcers Observation (V3) Example**

```
<entryRelationship typeCode="COMP">
  <observation classCode="OBS" moodCode="EVN">
    <!-- Number of Pressure Ulcers -->
    <templateId root="2.16.840.1.113883.10.20.22.4.76" extension="2015-08-01"/>
    <id root="08edb7c0-2111-43f2-a784-9a5fdfaa67f0" />
    <code code="2264892003" displayName="Number of pressure ulcers"
          codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED
CT">
      <translation code="75277-4"
                    displayName="Number of pressure ulcers"
                    codeSystem="2.16.840.1.113883.6.1"
                    codeSystemName="LOINC"></translation>
    </code>
    <statusCode code="completed" />
    <value xsi:type="INT" value="3" />
    <entryRelationship typeCode="SUBJ">
      <observation classCode="OBS" moodCode="EVN">
        <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
        <value xsi:type="CD" code="421927004" codeSystem="2.16.840.1.113883.6.96"
              displayName="Pressure ulcer stage 3" />
      </observation>
    </entryRelationship>
  </observation>
</entryRelationship>
```

### 3.48 Nutrition Assessment

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.138 (open)]

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**Table 236: Nutrition Assessment Contexts**

Contained By:	Contains:
<a href="#">Nutritional Status Observation</a> (required) <a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional)

This template represents the patient's nutrition abilities and habits including intake, diet requirements or diet followed.

**Table 237: Nutrition Assessment Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.138)					
@classCode	1..1	SHALL		<a href="#">1098-32914</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-32915</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-32916</a>	
@root	1..1	SHALL		<a href="#">1098-32917</a>	2.16.840.1.113883.10.20.22.4.138
id	1..*	SHALL		<a href="#">1098-32918</a>	
code	1..1	SHALL		<a href="#">1098-32919</a>	
@code	1..1	SHALL		<a href="#">1098-32926</a>	75303-8
@codeSystem	1..1	SHALL		<a href="#">1098-32927</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">1098-32920</a>	
@code	1..1	SHALL		<a href="#">1098-32921</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1098-32923</a>	
value	1..1	SHALL		<a href="#">1098-32922</a>	
author	0..*	SHOULD		<a href="#">1098-32924</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-32914).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-32915).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-32916) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.138" (CONF:1098-32917).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-32918).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-32919).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="75303-8" Nutrition assessment (CONF:1098-32926).

- b. This code **SHALL** contain exactly one [1..1] `@codeSystem="2.16.840.1.113883.6.1"` (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-32927).
6. **SHALL** contain exactly one [1..1] `statusCode` (CONF:1098-32920).
  - a. This `statusCode` **SHALL** contain exactly one [1..1] `@code="completed"` Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-32921).
7. **SHALL** contain exactly one [1..1] `effectiveTime` (CONF:1098-32923).
8. **SHALL** contain exactly one [1..1] `value` (CONF:1098-32922).
  - a. If `xsi:type="CD"`, **SHOULD** contain a code from SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96) (CONF:1098-32925).
9. **SHOULD** contain zero or more [0..\*] `Author Participation` (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-32924).

**Figure 102: Nutrition Assessment Example**

```
<entryRelationship typeCode="SUBJ">
  <observation classCode="OBS" moodCode="EVN">
    <!-- ** Nutrition Assessment** -->
    <templateId root="2.16.840.1.113883.10.20.22.4.138" />
    <id root="ab1791b0-5c71-11db-b0de-0800200c9a66" />
    <code code="75303-8"
      displayName="Nutrition assessment"
      codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC" />
    <statusCode code="completed" />
    <effectiveTime value="20130512" />
    <value xsi:type="CD" code="437421000124105"
      displayName="Decreased sodium diet (regime/therapy)"
      codeSystem="2.16.840.1.113883.6.96"
      codeSystemName="SNOMED CT" />
    <author typeCode="AUT">
      <templateId root="2.16.840.1.113883.10.20.22.4.119" />
      <time value="201300512" />
      ...
    </author>
  </observation>
</entryRelationship>
```



### 3.49 Nutrition Recommendation (NHCS V2)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.130:2025-08-01  
(open) ]

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**Table 238: Nutrition Recommendation (NHCS V2) Contexts**

Contained By:	Contains:
<a href="#">Plan of Treatment Section (NHCS V3)</a> (optional)	<a href="#">Planned Act (V2)</a> (optional) <a href="#">Planned Encounter (V2)</a> (optional) <a href="#">Planned Observation (V2)</a> (optional) <a href="#">Planned Supply (V2)</a> (optional) <a href="#">Planned Medication Activity (V2)</a> (optional) <a href="#">Planned Procedure (NHCS V4)</a> (optional)

The C-CDA template, Nutrition Recommendation, has been versioned in this guide to support USCDI-v3.

This template represents nutrition regimens (e.g., fluid restrictions, calorie minimum), interventions (e.g., NPO, nutritional supplements), and procedures (e.g., G-Tube by bolus, TPN by central line). It may also depict the need for nutrition education.

**Table 239: Nutrition Recommendation (NHCS V2) Constraints Overview**

<b>XPath</b>	<b>Card.</b>	<b>Verb</b>	<b>Data Type</b>	<b>CONF#</b>	<b>Value</b>
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.130:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-30385</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">5564-30386</a>	urn:oid:2.16.840.1.113883.11.20.9.23 (Planned moodCode (Act/Encounter/Procedure))
templateId	1..1	SHALL		<a href="#">5564-30340</a>	
@root	1..1	SHALL		<a href="#">5564-30341</a>	2.16.840.1.113883.10.20.22.4.130
code	1..1	SHALL		<a href="#">5564-30342</a>	urn:oid:2.16.840.1.113883.1.11.20.2.9 (Nutrition Recommendations)
statusCode	1..1	SHALL		<a href="#">5564-31697</a>	
@code	1..1	SHALL		<a href="#">5564-31698</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active
effectiveTime	0..1	SHOULD		<a href="#">5564-31699</a>	
entryRelationship	0..*	MAY		<a href="#">5564-32382</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32928</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
encounter	1..1	SHALL		<a href="#">5564-32383</a>	<a href="#">Planned Encounter (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-32384</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32929</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
substanceAdministration	1..1	SHALL		<a href="#">5564-32385</a>	<a href="#">Planned Medication Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-32386</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32930</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-32387</a>	<a href="#">Planned Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
					<a href="#">0.20.22.4.44:2014-06-09</a>
entryRelationship	0..*	MAY		<a href="#">5564-32388</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32931</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
procedure	1..1	SHALL		<a href="#">5564-32389</a>	<a href="#">Planned Procedure (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-32390</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32932</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
supply	1..1	SHALL		<a href="#">5564-32391</a>	<a href="#">Planned Supply (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-32632</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32933</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">5564-32633</a>	<a href="#">Planned Act (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09)</a>

1. **SHALL** contain exactly one [1..1] **@classCode="ACT"** act (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-30385).
2. **SHALL** contain exactly one [1..1] **@moodCode**, which **SHALL** be selected from ValueSet [Planned moodCode \(Act/Encounter/Procedure\)](#) urn:oid:2.16.840.1.113883.11.20.9.23 **STATIC** 2014-09-01 (CONF:5564-30386).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-30340) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.130"** (CONF:5564-30341).
4. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [Nutrition Recommendations](#) urn:oid:2.16.840.1.113883.1.11.20.2.9 **DYNAMIC** (CONF:5564-30342).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-31697).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="active"** Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:5564-31698).

The effectiveTime indicates the time when the activity is intended to take place.

6. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:5564-31699).

7. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32382) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32928).
  - b. **SHALL** contain exactly one [1..1] [Planned Encounter \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09) (CONF:5564-32383).
8. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32384) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32929).
  - b. **SHALL** contain exactly one [1..1] [Planned Medication Activity \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09) (CONF:5564-32385).
9. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32386) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32930).
  - b. **SHALL** contain exactly one [1..1] [Planned Observation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.44:2014-06-09) (CONF:5564-32387).
10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32388) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32931).
  - b. **SHALL** contain exactly one [1..1] [Planned Procedure \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01) (CONF:5564-32389).
11. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32390) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32932).
  - b. **SHALL** contain exactly one [1..1] [Planned Supply \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09) (CONF:5564-32391).
12. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32632) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32933).
  - b. **SHALL** contain exactly one [1..1] [Planned Act \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09) (CONF:5564-32633).

**Table 240: Nutrition Recommendations**

Value Set: Nutrition Recommendations urn:oid:2.16.840.1.113883.1.11.20.2.9 (Clinical Focus: Types of nutritional regimes, therapies or interventions.), (Data Element Scope: @Code in Nutrition Recommendation template C-CDA r2.1 [act: identifier urn:oid:2.16.840.1.113883.10.20.22.4.130 (open)]), (Inclusion Criteria: Specified codes for high level types of nutritional regimes), (Exclusion Criteria: )  This value set was imported on 6/25/2019 with a version of 20190319. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.9/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.9/expansion</a>			
Code	Code System	Code System OID	Print Name
182922004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Dietary regime (regime/therapy)
225372007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Total parenteral nutrition (regime/therapy)
229912004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Enteral feeding (regime/therapy)
386373004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Nutrition therapy (regime/therapy)
413315001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Nutrition / feeding management (regime/therapy)
418995006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Feeding regime (regime/therapy)
42846100012 4101	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Referral to nutrition professional (procedure)
43569100012 4100	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Diet modified for specific foods or ingredients (regime/therapy)
44104100012 4100	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Counseling about nutrition (procedure)
448556005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Oral nutritional support (regime/therapy)
...			

**Table 241: Planned moodCode (Act/Encounter/Procedure)**

Value Set: Planned moodCode (Act/Encounter/Procedure) urn:oid:2.16.840.1.113883.11.20.9.23 (Clinical Focus: Mood values appropriate to planned activities),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )			
This value set was imported on 10/24/2024 with a version of Latest.			
Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.23/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.23/expansion</a>			
Code	Code System	Code System OID	Print Name
APT	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	appointment
ARQ	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	appointment request
INT	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	intent
PRMS	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	promise
PRP	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	proposal
RQO	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	request

**Figure 103: Nutrition Recommendation (NHCS V2) Example**

<pre>&lt;act moodCode="INT" classCode="ACT"&gt;   &lt;!-- [Updated C-CDA] Nutrition Recommendation (NHCS V2) --&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.130" extension="2025-08-01"/&gt;   &lt;id root="9a6dlbac-17d3-4195-89a4-1121bc809a5c"/&gt;   &lt;code code="61310001" displayName="Nutrition education"     codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT"/&gt;   &lt;statusCode code="active"/&gt;   &lt;effectiveTime value="20130902"/&gt; &lt;/act&gt;</pre>
--

### 3.50 Nutritional Status Observation

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.124 (open)]

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**Table 242: Nutritional Status Observation Contexts**

Contained By:	Contains:
<a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Nutrition Assessment</a> (required)

This template describes the overall nutritional status of the patient including findings related to nutritional status.

**Table 243: Nutritional Status Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.124)					
@classCode	1..1	SHALL		<a href="#">1098-29841</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-29842</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-29843</a>	
@root	1..1	SHALL		<a href="#">1098-29844</a>	2.16.840.1.113883.10.20.22.4.124
id	1..*	SHALL		<a href="#">1098-29845</a>	
code	1..1	SHALL		<a href="#">1098-29846</a>	
@code	1..1	SHALL		<a href="#">1098-29897</a>	75305-3
@codeSystem	1..1	SHALL		<a href="#">1098-29898</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">1098-29852</a>	
@code	1..1	SHALL		<a href="#">1098-29853</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1098-31867</a>	
value	1..1	SHALL		<a href="#">1098-29854</a>	urn:oid:2.16.840.1.113883.1.11.20.2.7 (Nutritional Status)
entryRelationship	1..*	SHALL		<a href="#">1098-30323</a>	
@typeCode	1..1	SHALL		<a href="#">1098-30335</a>	SUBJ
observation	1..1	SHALL		<a href="#">1098-30336</a>	<a href="#">Nutrition Assessment (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.138)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-29841).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-29842).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-29843) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.124" (CONF:1098-29844).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-29845).

5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-29846).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="75305-3" Nutrition status (CONF:1098-29897).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-29898).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-29852).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-29853).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-31867).
8. **SHALL** contain exactly one [1..1] **value**, which **SHOULD** be selected from ValueSet [Nutritional Status](#) urn:oid:2.16.840.1.113883.1.11.20.2.7 **DYNAMIC** (CONF:1098-29854).
9. **SHALL** contain at least one [1..\*] **entryRelationship** (CONF:1098-30323) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="SUBJ" Has subject (CONF:1098-30335).
  - b. **SHALL** contain exactly one [1..1] [Nutrition Assessment](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.138) (CONF:1098-30336).



**Table 244: Nutritional Status**

Value Set: Nutritional Status urn:oid:2.16.840.1.113883.1.11.20.2.7 (Clinical Focus: A Value Set of SNOMED-CT codes representing nutrition problems.),(Data Element Scope: Condition),(Inclusion Criteria: Individually identified conditions that in some way may provide insight into the patient's nutritional status.),(Exclusion Criteria: )  This value set was imported on 6/25/2019 with a version of 20190319. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.7/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.7/expansion</a>			
Code	Code System	Code System OID	Print Name
105726004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Age AND/OR growth finding (finding)
107647005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Weight finding (finding)
129689002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	At risk for nutritional problem (finding)
129845004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	At risk for imbalanced nutrition, less than body requirements (finding)
162020001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Difficulty chewing (finding)
1881003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Increased nutritional requirement (finding)
206568009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Difficulty in feeding at breast (finding)
248324001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Well nourished (finding)
284670008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Nutritionally compromised (finding)
288939007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Difficulty swallowing (finding)
...			

**Figure 104: Nutritional Status Observation Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- Nutritional Status Observation -->
  <templateId root="2.16.840.1.113883.10.20.22.4.124" />
  <id root="c12ecaaf-53f8-4593-8f79-359aeaa3948b" />
  <code code="75305-3"
    displayName="Nutrition status"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC">
    <originalText>Nutritional Status</originalText>
  </code>
  <statusCode code="completed" />
  <effectiveTime value="20130512" />
  <value xsi:type="CD" code="248324001"
    codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED-CT"
    displayName="well nourished" />
  <entryRelationship typeCode="SUBJ">
    <observation classCode="OBS" moodCode="EVN">
      <!-- ** Nutrition Assessment** -->
      <templateId root="2.16.840.1.113883.10.20.22.4.138" />
      ...
    </observation>

    <observation classCode="OBS" moodCode="EVN">
      <!-- ** Nutrition Assessment** -->
      <templateId root="2.16.840.1.113883.10.20.22.4.138" />
      ...
    </observation>
  </entryRelationship>
</observation>
```

### 3.51 Patient Referral Act

[act: identifier urn:oid:2.16.840.1.113883.10.20.22.4.140 (open)]

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**Table 245: Patient Referral Act Contexts**

Contained By:	Contains:
<a href="#">Reason for Referral Section (V2)</a> (optional)	<a href="#">Indication (V2)</a> (optional) <a href="#">Author Participation</a> (optional)

This template represents the type of referral (e.g., for dental care, to a specialist, for aging problems) and represents whether the referral is for full care or shared care. It may contain a reference to another act in the document instance representing the clinical reason for the referral (e.g., problem, concern, procedure).

**Table 246: Patient Referral Act Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.140)					
@classCode	1..1	SHALL		<a href="#">1098-30884</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = PCPR
@moodCode	1..1	SHALL		<a href="#">1098-30885</a>	urn:oid:2.16.840.1.113883.11.20.9.66 (Patient Referral Act moodCode)
templateId	1..1	SHALL		<a href="#">1098-30886</a>	
@root	1..1	SHALL		<a href="#">1098-30887</a>	2.16.840.1.113883.10.20.22.4.140
id	1..*	SHALL		<a href="#">1098-30888</a>	
code	1..1	SHALL		<a href="#">1098-30889</a>	urn:oid:2.16.840.1.113883.11.20.9.56 (Referral Types)
statusCode	1..1	SHALL		<a href="#">1098-30892</a>	
@code	1..1	SHALL		<a href="#">1098-31598</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active
effectiveTime	1..1	SHALL		<a href="#">1098-30893</a>	
priorityCode	0..1	SHOULD		<a href="#">1098-32623</a>	
author	0..*	SHOULD		<a href="#">1098-31612</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	0..*	MAY		<a href="#">1098-32635</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32638</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFT
participantRole	1..1	SHALL		<a href="#">1098-32636</a>	
code	0..1	MAY		<a href="#">1098-32637</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
entryRelationship	0..*	MAY		<a href="#">1098-31604</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31613</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
observation	1..1	SHALL		<a href="#">1098-31605</a>	
@classCode	1..1	SHALL		<a href="#">1098-31606</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS

XPath	Card.	Verb	Data Type	CONF#	Value
@moodCode	1..1	SHALL		<a href="#">1098-31607</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = RQO
code	1..1	SHALL		<a href="#">1098-31608</a>	
@code	1..1	SHALL		<a href="#">1098-31619</a>	ASSERTION
@codeSystem	1..1	SHALL		<a href="#">1098-31620</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
statusCode	1..1	SHALL		<a href="#">1098-31614</a>	
@code	1..1	SHALL		<a href="#">1098-31615</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
priorityCode	0..1	SHOULD		<a href="#">1098-32443</a>	urn:oid:2.16.840.1.113883.1.11.16866 (ActPriority)
value	1..1	SHALL	CD	<a href="#">1098-31611</a>	urn:oid:2.16.840.1.113883.11.20.9.61 (Care Model)
entryRelationship	0..*	MAY		<a href="#">1098-31635</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31636</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">1098-32634</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>

1. **SHALL** contain exactly one [1..1] @classCode="PCPR" provision of care (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-30884).
2. **SHALL** contain exactly one [1..1] @moodCode, which **SHALL** be selected from ValueSet [Patient Referral Act moodCode](#) urn:oid:2.16.840.1.113883.11.20.9.66 **STATIC** 2014-09-01 (CONF:1098-30885).
3. **SHALL** contain exactly one [1..1] templateId (CONF:1098-30886) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.140" (CONF:1098-30887).

In the case of a Consultation Note where this referral is being fulfilled by this consultation, this id would be referenced in the inFullfilmentOf/order/id of the Consultation Note.

4. **SHALL** contain at least one [1..\*] id (CONF:1098-30888).
5. **SHALL** contain exactly one [1..1] code, which **SHALL** be selected from ValueSet [Referral Types](#) urn:oid:2.16.840.1.113883.11.20.9.56 **DYNAMIC** (CONF:1098-30889).
6. **SHALL** contain exactly one [1..1] statusCode (CONF:1098-30892).
  - a. This statusCode **SHALL** contain exactly one [1..1] @code="active" Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-31598).

The effectiveTime represents the time when the future referral is intended to take place.

7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-30893).
8. **SHOULD** contain zero or one [0..1] **priorityCode** (CONF:1098-32623).
9. **SHOULD** contain zero or more [0..\*] **Author Participation** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-31612).
10. **MAY** contain zero or more [0..\*] **participant** (CONF:1098-32635).
  - a. The participant, if present, **SHALL** contain exactly one [1..1] **@typeCode="REFT"** Referred to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32638).
  - b. The participant, if present, **SHALL** contain exactly one [1..1] **participantRole** (CONF:1098-32636).
    - i. This participantRole **MAY** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet **Healthcare Provider Taxonomy** urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC** (CONF:1098-32637).

The following entryRelationship represents whether the referral is for full or shared care.

11. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-31604) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-31613).
  - b. **SHALL** contain exactly one [1..1] **observation** (CONF:1098-31605).
    - i. This observation **SHALL** contain exactly one [1..1] **@classCode="OBS"** observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1098-31606).
    - ii. This observation **SHALL** contain exactly one [1..1] **@moodCode="RQO"** request (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:1098-31607).
    - iii. This observation **SHALL** contain exactly one [1..1] **code** (CONF:1098-31608).
      1. This code **SHALL** contain exactly one [1..1] **@code="ASSERTION"** assertion (CONF:1098-31619).
      2. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.5.4 "** (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:1098-31620).
    - iv. This observation **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-31614).
      1. This statusCode **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-31615).
    - v. This observation **SHOULD** contain zero or one [0..1] **priorityCode**, which **SHOULD** be selected from ValueSet **ActPriority** urn:oid:2.16.840.1.113883.1.11.16866 **DYNAMIC** (CONF:1098-32443).
    - vi. This observation **SHALL** contain exactly one [1..1] **value** with **@xsi:type="CD"**, where the code **SHOULD** be selected from ValueSet **Care Model** urn:oid:2.16.840.1.113883.11.20.9.61 **DYNAMIC** (CONF:1098-31611).

The following entryRelationship represents a reference to another act in the document instance representing the clinical reason for the referral (e.g., problem, concern, procedure).

12. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-31635) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="RSON"** has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-31636).
  - b. **SHALL** contain exactly one [1..1] **Indication (V2)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:1098-32634).

**Table 247: Patient Referral Act moodCode**

Value Set: Patient Referral Act moodCode urn:oid:2.16.840.1.113883.11.20.9.66			
Contains all the moodCode values it is possible to have for an Patient Referral Act.			
Value Set Source: <a href="http://www.hl7.org/documentcenter/public/standards/vocabulary/vocabulary_tables/inrastructure/vocabulary/vocabulary.html">http://www.hl7.org/documentcenter/public/standards/vocabulary/vocabulary_tables/inrastructure/vocabulary/vocabulary.html</a>			
Code	Code System	Code System OID	Print Name
INT	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	Intent
RQO	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	Request

**Table 248: Referral Types**

Value Set: Referral Types urn:oid:2.16.840.1.113883.11.20.9.56 (Clinical Focus: Concepts representing procedures that characterize a patient referral),(Data Element Scope: C-CDA r2.1 @code in Patient Referral Act [act: identifier urn:oid:2.16.840.1.113883.10.20.22.4.140 (open)] DYNAMIC),(Inclusion Criteria: SNOMED CT codes descending from "3457005" patient referral (procedure)),(Exclusion Criteria: only as in inclusion)  This value set was imported on 6/29/2019 with a version of 20190416. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.56/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.56/expansion</a>			
Code	Code System	Code System OID	Print Name
103696004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Patient referral to specialist (procedure)
103697008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Patient referral for dental care (procedure)
103698003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Patient referral to non-physician provider (procedure)
103699006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Patient referral to dietitian (procedure)
103700007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Patient referral to massage therapist (procedure)
103701006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Patient referral to homeopath (procedure)
103702004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Patient referral to naturopath (procedure)
103703009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Patient referral to acupuncturist (procedure)
103704003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Patient referral to sex therapist (procedure)
105406002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Referral of patient to certified pastoral caregiver (procedure)
...			

**Table 249: Care Model**

Value Set: Care Model urn:oid:2.16.840.1.113883.11.20.9.61 (Clinical Focus: Concepts representing care management styles),(Data Element Scope: Finding),(Inclusion Criteria: A value set of SNOMED-CT codes representing care management styles (e.g., shared care, full care) descending from "170932006" "Chronic disease - care arrangement".),(Exclusion Criteria: none)  This value set was imported on 6/24/2019 with a version of 20190319. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.61/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.61/expansion</a>			
Code	Code System	Code System OID	Print Name
170935008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Full care by hospice (finding)
170936009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Shared care - hospice and general practitioner (finding)
170937000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Shared care: district nurse and general practitioner (finding)
170939002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Full care: nurse practitioner (finding)
170940000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Shared care: practice nurse and general practitioner (finding)
170941001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Full care by general practitioner (finding)
268528005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Full care by specialist (finding)
268529002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Shared care - consultant and general practitioner (finding)
370985002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Care by local physician (finding)



**Table 250: ActPriority**

Value Set: ActPriority urn:oid:2.16.840.1.113883.1.11.16866 (Clinical Focus: The urgency under which the Act happened, can happen, is happening, is intended to happen, or is requested/demanded to happen.), (Data Element Scope: ), (Inclusion Criteria: All members of system 2.16.840.1.113883.5.7), (Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.16866/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.16866/expansion</a>			
Code	Code System	Code System OID	Print Name
A	HL7ActPriority	urn:oid:2.16.840.1.113883.5.7	ASAP
CR	HL7ActPriority	urn:oid:2.16.840.1.113883.5.7	callback results
CS	HL7ActPriority	urn:oid:2.16.840.1.113883.5.7	callback for scheduling
CSP	HL7ActPriority	urn:oid:2.16.840.1.113883.5.7	callback placer for scheduling
CSR	HL7ActPriority	urn:oid:2.16.840.1.113883.5.7	contact recipient for scheduling
EL	HL7ActPriority	urn:oid:2.16.840.1.113883.5.7	elective
EM	HL7ActPriority	urn:oid:2.16.840.1.113883.5.7	emergency
P	HL7ActPriority	urn:oid:2.16.840.1.113883.5.7	preop
PRN	HL7ActPriority	urn:oid:2.16.840.1.113883.5.7	as needed
R	HL7ActPriority	urn:oid:2.16.840.1.113883.5.7	routine
...			

**Figure 105: Patient Referral Act Example**

```
<entry>
  <act classCode="ACT" moodCode="INT">
    <!--Patient Referral Act-->
    <templateId root="2.16.840.1.113883.10.20.22.4.140" />
    <id root="70bdd7db-e02d-4eff-9829-35e3b7d9e154" />
    <code code="44383000" displayName="Patient referral for consultation"
codeSystemName="SNOMED" codeSystem="2.16.840.1.113883.6.96" />
    <statusCode code="active" />
    <effectiveTime value="20130311" />
    <priorityCode code="A"
      codeSystem="2.16.840.1.113883.5.7"
      codeSystemName="ActPriority"
      displayName="ASAP"/>
    <author>
      <time value="200130311" />
      <assignedAuthor>
        <id extension="KP00017" root="2.16.840.1.113883.19.5" />
        <addr>
          <streetAddressLine>1003 Health Care
            Drive</streetAddressLine>
          <city>Ann Arbor</city>
          <state>MI</state>
          <postalCode>02368</postalCode>
          <country>US</country>
        </addr>
        <telecom use="WP" value="tel:(555)555-1003" />
        <assignedPerson>
          <name>
            <given>Assigned</given>
            <family>Amanda</family>
          </name>
        </assignedPerson>
      </assignedAuthor>
    </author>
    <entryRelationship typeCode="SUBJ">
      <observation classCode="OBS" moodCode="EVN">
        <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
        <statusCode code="completed" />
        <value xsi:type="CD" code="268528005" displayName="full care by specialist"
codeSystem="2.16.840.1.113883.6.96" />
      </observation>
    </entryRelationship>
  </act>
</entry>
```

3.52 Planned Act (V2)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09 (open)]  
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Table 251: Planned Act (V2) Contexts

Contained By:	Contains:
<a href="#">Plan of Treatment Section (NHCS V3)</a> (optional) <a href="#">Nutrition Recommendation (NHCS V2)</a> (optional)	<a href="#">Indication (V2)</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional)

This template represents planned acts that are not classified as an observation or a procedure according to the HL7 RIM. Examples of these acts are a dressing change, the teaching or feeding of a patient or the providing of comfort measures.  
The priority of the activity to the patient and provider is communicated through Priority Preference.  
The effectiveTime indicates the time when the activity is intended to take place.

**Table 252: Planned Act (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-8538</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">1098-8539</a>	urn:oid:2.16.840.1.113883.11.20.9.23 (Planned moodCode (Act/Encounter/Procedure))
templateId	1..1	SHALL		<a href="#">1098-30430</a>	
@root	1..1	SHALL		<a href="#">1098-30431</a>	2.16.840.1.113883.10.20.22.4.39
@extension	1..1	SHALL		<a href="#">1098-32552</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-8546</a>	
code	1..1	SHALL		<a href="#">1098-31687</a>	
statusCode	1..1	SHALL		<a href="#">1098-30432</a>	
@code	1..1	SHALL		<a href="#">1098-32019</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active
effectiveTime	0..1	SHOULD		<a href="#">1098-30433</a>	
performer	0..*	MAY		<a href="#">1098-30435</a>	
author	0..1	SHOULD		<a href="#">1098-32020</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	MAY		<a href="#">1098-31067</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31068</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">1098-31069</a>	Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143)
entryRelationship	0..*	MAY		<a href="#">1098-32021</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32022</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">1098-32023</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1098-</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">32024</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32025</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
act	1..1	SHALL		<a href="#">1098-32026</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09</a>

1. **SHALL** contain exactly one [1..1] **@classCode="ACT"** (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-8538).
2. **SHALL** contain exactly one [1..1] **@moodCode**, which **SHALL** be selected from ValueSet [Planned moodCode \(Act/Encounter/Procedure\)](#) urn:oid:2.16.840.1.113883.11.20.9.23 **STATIC** 2014-09-01 (CONF:1098-8539).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-30430) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.39"** (CONF:1098-30431).
  - b. **SHALL** contain exactly one [1..1] **@extension="2014-06-09"** (CONF:1098-32552).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-8546).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-31687).
  - a. This code in a Planned Act **SHOULD** be selected from LOINC (CodeSystem: 2.16.840.1.113883.6.1) OR SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96) (CONF:1098-32030).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-30432).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="active"** Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-32019).

The effectiveTime in a planned act represents the time that the act should occur.

7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1098-30433).

The clinician who is expected to carry out the act could be identified using act/performer.

8. **MAY** contain zero or more [0..\*] **performer** (CONF:1098-30435).

The author in a planned act represents the clinician who is requesting or planning the act.

9. **SHOULD** contain zero or one [0..1] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-32020).

The following entryRelationship represents the priority that a patient or a provider places on the activity.

10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-31067) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-31068).

- b. **SHALL** contain exactly one [1..1] Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:1098-31069).

The following entryRelationship represents the indication for the act.

- 11. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-32021) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="RSON" Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32022).
  - b. **SHALL** contain exactly one [1..1] Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:1098-32023).

The following entryRelationship captures any instructions associated with the planned act.

- 12. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-32024) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" Has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32025).
  - b. **SHALL** contain exactly one [1..1] Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:1098-32026).

**Figure 106: Planned Act (V2) Example**

```
<act classCode="ACT" moodCode="INT">
  <templateId root="2.16.840.1.113883.10.20.22.4.39" extension="2014-06-09" />
  <id root="7658963e-54da-496f-bf18-dea1dddaa3b0" />
  <code code="423171007" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT"
displayName="Elevate head of bed" />
  <statusCode code="active" />
  <effectiveTime value="20130902" />
  <author typeCode="AUT">
    <!-- Author Participation -->
  </author>
  <entryRelationship typeCode="RSON">
    <!-- Patient Priority Preference -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="RSON">
    <!-- Provider Priority Preference -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="RSON">
    <!-- Indication (V2) -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="SUBJ">
    <!-- Instruction (V2) -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="COMP">
    <!-- Planned Coverage -->
    ...
  </entryRelationship>
</act>
```

### 3.53 Planned Coverage

[act: identifier urn:oid:2.16.840.1.113883.10.20.22.4.129 (open)]

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**Table 253: Planned Coverage Contexts**

Contained By:	Contains:
<a href="#">Planned Observation (V2)</a> (optional) <a href="#">Planned Supply (V2)</a> (optional) <a href="#">Planned Procedure (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional)

This template represents the insurance coverage intended to cover an act or procedure.



**Table 254: Planned Coverage Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.129)					
@classCode	1..1	SHALL		<a href="#">1098-31945</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = ACT
@moodCode	1..1	SHALL		<a href="#">1098-31946</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT
templateId	1..1	SHALL		<a href="#">1098-31947</a>	
@root	1..1	SHALL		<a href="#">1098-31948</a>	2.16.840.1.113883.10.20.22.4.129
id	1..*	SHALL		<a href="#">1098-31950</a>	
code	1..1	SHALL		<a href="#">1098-31951</a>	
@code	1..1	SHALL		<a href="#">1098-31952</a>	48768-6
@codeSystem	1..1	SHALL		<a href="#">1098-31953</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">1098-31954</a>	
@code	1..1	SHALL		<a href="#">1098-31955</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = active
author	0..*	MAY		<a href="#">1098-32178</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	1..1	SHALL		<a href="#">1098-31967</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31968</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
act	1..1	SHALL		<a href="#">1098-31969</a>	
@classCode	1..1	SHALL		<a href="#">1098-31970</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">1098-31971</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT
id	1..*	SHALL		<a href="#">1098-31972</a>	
code	1..1	SHALL		<a href="#">1098-31973</a>	urn:oid:2.16.840.1.114222.4.11.3591 (Payer)
statusCode	1..1	SHALL		<a href="#">1098-31974</a>	
@code	1..1	SHALL		<a href="#">1098-</a>	urn:oid:2.16.840.1.113883.5.1

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">31975</a>	4 (HL7ActStatus) = active

1. **SHALL** contain exactly one [1..1] **@classCode="ACT"** act (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:1098-31945).
2. **SHALL** contain exactly one [1..1] **@moodCode="INT"** Intent (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:1098-31946).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-31947) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.129"** (CONF:1098-31948).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-31950).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-31951).
  - a. This code **SHALL** contain exactly one [1..1] **@code="48768-6"** Payment Sources (CONF:1098-31952).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.6.1"** (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-31953).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-31954).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="active"** Active (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:1098-31955).
7. **MAY** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-32178).
8. **SHALL** contain exactly one [1..1] **entryRelationship** (CONF:1098-31967) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-31968).
  - b. **SHALL** contain exactly one [1..1] **act** (CONF:1098-31969).
    - i. This act **SHALL** contain exactly one [1..1] **@classCode="ACT"** ACT (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1098-31970).
    - ii. This act **SHALL** contain exactly one [1..1] **@moodCode="INT"** intent (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:1098-31971).

These act/identifiers are unique identifiers for the policy or program providing the coverage.

- iii. This act **SHALL** contain at least one [1..\*] **id** (CONF:1098-31972).
- iv. This act **SHALL** contain exactly one [1..1] **code**, which **SHALL** be selected from ValueSet [Payer](#) urn:oid:2.16.840.1.114222.4.11.3591 **DYNAMIC** (CONF:1098-31973).
- v. This act **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-31974).
  1. This statusCode **SHALL** contain exactly one [1..1] **@code="active"** Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-31975).

**Table 255: Payer**

Value Set: Payer urn:oid:2.16.840.1.114222.4.11.3591 (Clinical Focus: Categories of types of health care payor entities as defined by the US Public Health Data Consortium SOP code system),(Data Element Scope: @code in CCDA r2.1 template Planned Coverage [act: identifier urn:oid:2.16.840.1.113883.10.20.22.4.129 (open)] DYNAMIC),(Inclusion Criteria: All codes in the code system),(Exclusion Criteria: none)  This value set was imported on 7/25/2019 with a version of 20180718. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.3591/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.3591/expansion</a>			
Code	Code System	Code System OID	Print Name
1	Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.22 1.5	MEDICARE
11	Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.22 1.5	Medicare (Managed Care)
111	Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.22 1.5	Medicare HMO
112	Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.22 1.5	Medicare PPO
113	Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.22 1.5	Medicare POS
119	Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.22 1.5	Medicare Managed Care Other
12	Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.22 1.5	Medicare (Non-managed Care)
121	Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.22 1.5	Medicare FFS
122	Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.22 1.5	Medicare Drug Benefit
123	Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.22 1.5	Medicare Medical Savings Account (MSA)
...			

**Figure 107: Planned Coverage Example**

```
<act classCode="ACT" moodCode="INT">
  <templateId root="2.16.840.1.113883.10.20.22.4.129" />
  <id root="03f5e10b-7e79-4610-9626-d2984ff10cc1" />
  <code code="48768-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Payment Sources" />
  <statusCode code="active" />
  <entryRelationship typeCode="COMP">
    <act classCode="ACT" moodCode="INT">
      <!-- These act/identifiers are unique identifiers
for the policy or program providing the coverage. -->
      <id root="4c9a3be1-5f09-46dd-88e7-14c8ec612e4c" />
      <code code="111" displayName="Medicare HMO"
          codeSystemName="Source of Payment Typology (PHDSC)"
          codeSystem="2.16.840.1.113883.3.221.5" />
      <statusCode code="active" />
    </act>
  </entryRelationship>
</act>
```

### 3.54 Planned Encounter (V2)

[encounter: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09  
(open)]

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**Table 256: Planned Encounter (V2) Contexts**

Contained By:	Contains:
<a href="#">Plan of Treatment Section (NHCS V3)</a> (optional)	<a href="#">Indication (V2)</a> (optional)
<a href="#">Nutrition Recommendation (NHCS V2)</a> (optional)	<a href="#">Author Participation</a> (optional)

This template represents a planned or ordered encounter. The type of encounter (e.g., comprehensive outpatient visit) is represented. Clinicians participating in the encounter and the location of the planned encounter may be captured. The priority that the patient and providers place on the encounter may be represented.

**Table 257: Planned Encounter (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
encounter (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-8564</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ENC
@moodCode	1..1	SHALL		<a href="#">1098-8565</a>	urn:oid:2.16.840.1.113883.11.20.9.23 (Planned moodCode (Act/Encounter/Procedure))
templateId	1..1	SHALL		<a href="#">1098-30437</a>	
@root	1..1	SHALL		<a href="#">1098-30438</a>	2.16.840.1.113883.10.20.22.4.40
@extension	1..1	SHALL		<a href="#">1098-32553</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-8567</a>	
code	0..1	SHOULD		<a href="#">1098-31032</a>	urn:oid:2.16.840.1.113883.11.20.9.52 (Encounter Planned)
statusCode	1..1	SHALL		<a href="#">1098-30439</a>	
@code	1..1	SHALL		<a href="#">1098-31880</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active
effectiveTime	0..1	SHOULD		<a href="#">1098-30440</a>	
performer	0..*	MAY		<a href="#">1098-30442</a>	
assignedEntity	1..1	SHALL		<a href="#">1098-31874</a>	
author	0..*	SHOULD		<a href="#">1098-32045</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	0..*	MAY		<a href="#">1098-30443</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31875</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = LOC
participantRole	1..1	SHALL		<a href="#">1098-31876</a>	Service Delivery Location (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.32)
entryRelationship	0..1	MAY		<a href="#">1098-31033</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31034</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">1098-</a>	Priority Preference (identifier:

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">31035</a>	urn:oid:2.16.840.1.113883.10.20.22.4.143
entryRelationship	0..*	MAY		<a href="#">1098-31877</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31878</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">1098-31879</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09</a>

1. **SHALL** contain exactly one [1..1] **@classCode="ENC"** (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-8564).
2. **SHALL** contain exactly one [1..1] **@moodCode**, which **SHALL** be selected from ValueSet [Planned moodCode \(Act/Encounter/Procedure\)](#) urn:oid:2.16.840.1.113883.11.20.9.23 **STATIC** 2014-09-01 (CONF:1098-8565).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-30437) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.40"** (CONF:1098-30438).
  - b. **SHALL** contain exactly one [1..1] **@extension="2014-06-09"** (CONF:1098-32553).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-8567).

Records the type of encounter ordered or recommended.

5. **SHOULD** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet [Encounter Planned](#) urn:oid:2.16.840.1.113883.11.20.9.52 **DYNAMIC** (CONF:1098-31032).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-30439).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="active"** Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-31880).
7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1098-30440).

Performers represent clinicians who are responsible for assessing and treating the patient.

8. **MAY** contain zero or more [0..\*] **performer** (CONF:1098-30442) such that it
  - a. **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:1098-31874).

The author in a planned encounter represents the clinician who is requesting or planning the encounter.

9. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-32045).

This location participation captures where the planned or ordered encounter may take place.

10. **MAY** contain zero or more [0..\*] **participant** (CONF:1098-30443) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="LOC"** Location (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:1098-31875).

- b. **SHALL** contain exactly one [1..1] Service Delivery Location (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.32) (CONF:1098-31876).

The following entryRelationship represents the priority that a patient or a provider places on the encounter.

- 11. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:1098-31033) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-31034).
  - b. **SHALL** contain exactly one [1..1] Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:1098-31035).

The following entryRelationship captures the reason for the planned or ordered encounter

- 12. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-31877) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="RSON" Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-31878).
  - b. **SHALL** contain exactly one [1..1] Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:1098-31879).

**Figure 108: Planned Encounter (V2) Example**

```

<entry>
  <encounter moodCode="INT" classCode="ENC">
    <templateId root="2.16.840.1.113883.10.20.22.4.40" extension="2014-06-09" />
    <!-- Planned Encounter V2 template -->
    <id root="9a6d1bac-17d3-4195-89a4-1121bc809b4d" />
    <code code="185349003" displayName="encounter for check-up (procedure)"
codeSystemName="SNOMED CT" codeSystem="2.16.840.1.113883.6.96"> </code>
    <statusCode code="active" />
    <effectiveTime value="20130615" />
    <performer>
      <assignedEntity>
        ...
      </assignedEntity>
    </performer>
    <entryRelationship typeCode="REFR">
      <observation classCode="OBS" moodCode="EVN">
        <!-- Patient Priority Preference-->
        <templateId root="2.16.840.1.113883.10.20.22.4.142" />
        ...
      </observation>
    </entryRelationship>
    <entryRelationship typeCode="REFR">
      <observation classCode="OBS" moodCode="EVN">
        <!-- Provider Priority Preference-->
        ...
      </observation>
    </entryRelationship>
  </encounter>
</entry>

```

### 3.55 Planned Immunization Activity

[substanceAdministration: identifier urn:oid:2.16.840.1.113883.10.20.22.4.120 (open) ]

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**Table 258: Planned Immunization Activity Contexts**

Contained By:	Contains:
<a href="#">Plan of Treatment Section (NHCS V3)</a> (optional)	<a href="#">Indication (V2)</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Immunization Medication Information (V2)</a> (required)

This template represents planned immunizations. Planned Immunization Activity is very similar to Planned Medication Activity with some key differences, for example, the drug code system is constrained to CVX codes.

The priority of the immunization activity to the patient and provider is communicated through Priority



Preference. The effectiveTime indicates the time when the immunization activity is intended to take place and authorTime indicates when the documentation of the plan occurred.

**Table 259: Planned Immunization Activity Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
substanceAdministration (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.120)					
@classCode	1..1	SHALL		<a href="#">1098-32091</a>	SBADM
@moodCode	1..1	SHALL		<a href="#">1098-32097</a>	urn:oid:2.16.840.1.113883.11.20.9.24 (Planned moodCode (SubstanceAdministration/Supply))
templateId	1..1	SHALL		<a href="#">1098-32098</a>	
@root	1..1	SHALL		<a href="#">1098-32099</a>	2.16.840.1.113883.10.20.22.4.120
id	1..*	SHALL		<a href="#">1098-32100</a>	
statusCode	1..1	SHALL		<a href="#">1098-32101</a>	
@code	1..1	SHALL		<a href="#">1098-32102</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active
effectiveTime	1..1	SHALL		<a href="#">1098-32103</a>	
repeatNumber	0..1	MAY		<a href="#">1098-32126</a>	
routeCode	0..1	MAY		<a href="#">1098-32127</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.7 (SPL Drug Route of Administration Terminology)
translation	0..*	SHOULD		<a href="#">1098-32951</a>	urn:oid:2.16.840.1.113762.1.4.1099.12 (Medication Route)
approachSiteCode	0..*	MAY		<a href="#">1098-32128</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 (Body Site Value Set)
doseQuantity	0..1	MAY		<a href="#">1098-32129</a>	
@unit	0..1	SHOULD		<a href="#">1098-32130</a>	urn:oid:2.16.840.1.113883.1.11.12839 (UnitsOfMeasureCaseSensitive)
consumable	1..1	SHALL		<a href="#">1098-32131</a>	
manufacturedProduct	1..1	SHALL		<a href="#">1098-32132</a>	<a href="#">Immunization Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09)</a>
performer	0..*	MAY		<a href="#">1098-32104</a>	
author	0..*	MAY		<a href="#">1098-</a>	<a href="#">Author Participation</a>

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">32105</a>	<a href="#">(identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	MAY		<a href="#">1098-32108</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32109</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">1098-32110</a>	Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143)
entryRelationship	0..*	MAY		<a href="#">1098-32114</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32115</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">1098-32116</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1098-32117</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32118</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
act	1..1	SHALL		<a href="#">1098-32119</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>
precondition	0..*	MAY		<a href="#">1098-32123</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32124</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = PRCN
criterion	1..1	SHALL		<a href="#">1098-32125</a>	Precondition for Substance Administration (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.25:2014-06-09)

1. **SHALL** contain exactly one [1..1] **@classCode**="SBADM" (CONF:1098-32091).
2. **SHALL** contain exactly one [1..1] **@moodCode**, which **SHALL** be selected from ValueSet [Planned moodCode \(SubstanceAdministration/Supply\)](#) urn:oid:2.16.840.1.113883.11.20.9.24 **STATIC** 2014-09-01 (CONF:1098-32097).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-32098) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.120" (CONF:1098-32099).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-32100).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-32101).

- a. This statusCode **SHALL** contain exactly one [1..1] @code="active" Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-32102).

The effectiveTime in a planned immunization activity represents the time that the immunization activity should occur.

6. **SHALL** contain exactly one [1..1] effectiveTime (CONF:1098-32103).

In a Planned Immunization Activity, repeatNumber defines the number of allowed administrations. For example, a repeatNumber of "3" means that the substance can be administered up to 3 times.

7. **MAY** contain zero or one [0..1] repeatNumber (CONF:1098-32126).
8. **MAY** contain zero or one [0..1] routeCode, which **SHALL** be selected from ValueSet [SPL Drug Route of Administration Terminology](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.7 **DYNAMIC** (CONF:1098-32127).
  - a. The routeCode, if present, **SHOULD** contain zero or more [0..\*] translation, which **SHALL** be selected from ValueSet [Medication Route](#) urn:oid:2.16.840.1.113762.1.4.1099.12 **DYNAMIC** (CONF:1098-32951).
9. **MAY** contain zero or more [0..\*] approachSiteCode, which **SHALL** be selected from ValueSet [Body Site Value Set](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 **DYNAMIC** (CONF:1098-32128).
10. **MAY** contain zero or one [0..1] doseQuantity (CONF:1098-32129).

NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units

- a. The doseQuantity, if present, **SHOULD** contain zero or one [0..1] @unit, which **SHOULD** be selected from ValueSet [UnitsOfMeasureCaseSensitive](#) urn:oid:2.16.840.1.113883.1.11.12839 **DYNAMIC** (CONF:1098-32130).
11. **SHALL** contain exactly one [1..1] consumable (CONF:1098-32131).
  - a. This consumable **SHALL** contain exactly one [1..1] [Immunization Medication Information \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09) (CONF:1098-32132).

The clinician who is expected to perform the planned immunization activity could be identified using substanceAdministration/performer.

12. **MAY** contain zero or more [0..\*] performer (CONF:1098-32104).

The author in a planned immunization activity represents the clinician who is requesting or planning the immunization activity.

13. **MAY** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-32105).

The following entryRelationship represents the priority that a patient or a provider places on the immunization activity.

14. **MAY** contain zero or more [0..\*] entryRelationship (CONF:1098-32108) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32109).
- b. **SHALL** contain exactly one [1..1] Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:1098-32110).

The following entryRelationship represents the indication for the immunization activity.

- 15. **MAY** contain zero or more [0..\*] entryRelationship (CONF:1098-32114) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="RSON" Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32115).
  - b. **SHALL** contain exactly one [1..1] [Indication \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:1098-32116).

The following entryRelationship captures any instructions associated with the planned immunization activity.

- 16. **MAY** contain zero or more [0..\*] entryRelationship (CONF:1098-32117) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32118).
  - b. **SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:1098-32119).
- 17. **MAY** contain zero or more [0..\*] precondition (CONF:1098-32123) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="PRCN" Precondition (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32124).
  - b. **SHALL** contain exactly one [1..1] Precondition for Substance Administration (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.25:2014-06-09) (CONF:1098-32125).

**Table 260: Planned moodCode (SubstanceAdministration/Supply)**

Value Set: Planned moodCode (SubstanceAdministration/Supply) urn:oid:2.16.840.1.113883.11.20.9.24 (Clinical Focus: Mood values appropriate to planned substance administrations),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )			
This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.24/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.24/expansion</a>			
Code	Code System	Code System OID	Print Name
INT	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	intent
PRMS	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	promise
PRP	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	proposal
RQO	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	request

**Figure 109: Planned Immunization Activity**

```
<substanceAdministration classCode="SBADM" moodCode="INT">
  <!-- Planned Immunization Activity -->
  <templateId root="2.16.840.1.113883.10.20.22.4.120" />
  <id root="81505d5e-2305-42b3-9273-f579d622000d" />
  <statusCode code="active" />
  <effectiveTime xsi:type="IVL_TS" value="20131115" />
  <repeatNumber value="1" />
  <routeCode code="IM" codeSystem="2.16.840.1.113883.5.112"
codeSystemName="RouteOfAdministration" displayName="Intramuscular injection" />
  <consumable>
    <!-- Immunization Medication Information (V2) -->
  </consumable>
  <performer>
    ...
  </performer>
  <author>
    <!-- Author Participation -->
  </author>
  <entryRelationship typeCode="REFR">
    <!-- Patient Priority Preference -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="REFR">
    <!-- Provider Priority Preference -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="RSON">
    <!-- Indication (V2) -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="SUBJ">
    <!-- Instruction (V2) -->
    ...
  </entryRelationship>
  <precondition typeCode="PRCN">
    <!-- Precondition for Substance Administration (V2) -->
    ...
  </precondition>
</substanceAdministration>
```

3.56 Planned Medication Activity (V2)

[substanceAdministration: identifier  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09 (open)]  
  
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Table 261: Planned Medication Activity (V2) Contexts

Contained By:	Contains:
<a href="#">Plan of Treatment Section (NHCS V3)</a> (optional) <a href="#">Nutrition Recommendation (NHCS V2)</a> (optional)	<a href="#">Indication (V2)</a> (optional) <a href="#">Medication Information (V2)</a> (required) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional)

This template represents planned medication activities. The priority of the medication activity to the patient and provider is communicated through Priority Preference. The effectiveTime indicates the time when the medication activity is intended to take place. The authorTime indicates when the documentation of the plan occurred.



**Table 262: Planned Medication Activity (V2) Constraints Overview**

<b>XPath</b>	<b>Card.</b>	<b>Verb</b>	<b>Data Type</b>	<b>CONF#</b>	<b>Value</b>
substanceAdministration (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-8572</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = SBADM
@moodCode	1..1	SHALL		<a href="#">1098-8573</a>	urn:oid:2.16.840.1.113883.11.20.9.24 (Planned moodCode (SubstanceAdministration/Supply))
templateId	1..1	SHALL		<a href="#">1098-30465</a>	
@root	1..1	SHALL		<a href="#">1098-30466</a>	2.16.840.1.113883.10.20.22.4.42
@extension	1..1	SHALL		<a href="#">1098-32557</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-8575</a>	
statusCode	1..1	SHALL		<a href="#">1098-32087</a>	
@code	1..1	SHALL		<a href="#">1098-32088</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active
effectiveTime	1..1	SHALL	IVL_TS	<a href="#">1098-30468</a>	
@value	0..1	SHOULD		<a href="#">1098-32944</a>	
low	0..1	SHOULD		<a href="#">1098-32948</a>	
high	0..1	MAY		<a href="#">1098-32949</a>	
effectiveTime	0..1	SHOULD		<a href="#">1098-32943</a>	
@operator	1..1	SHALL		<a href="#">1098-32945</a>	A
repeatNumber	0..1	MAY		<a href="#">1098-32066</a>	
routeCode	0..1	MAY		<a href="#">1098-32067</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.7 (SPL Drug Route of Administration Terminology)
translation	0..*	SHOULD		<a href="#">1098-32952</a>	urn:oid:2.16.840.1.113762.1.4.1099.12 (Medication Route)
approachSiteCode	0..*	MAY		<a href="#">1098-32078</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 (Body Site Value Set)
doseQuantity	0..1	MAY		<a href="#">1098-32068</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
@unit	0..1	SHOULD		<a href="#">1098-32133</a>	urn:oid:2.16.840.1.113883.1.11.12839 (UnitsOfMeasureCaseSensitive)
rateQuantity	0..1	MAY		<a href="#">1098-32079</a>	
@unit	0..1	SHOULD		<a href="#">1098-32134</a>	urn:oid:2.16.840.1.113883.1.11.12839 (UnitsOfMeasureCaseSensitive)
maxDoseQuantity	0..1	MAY		<a href="#">1098-32080</a>	
administrationUnitCode	0..1	MAY		<a href="#">1098-32081</a>	urn:oid:2.16.840.1.113762.1.4.1021.30 (AdministrationUnitDoseForm)
consumable	1..1	SHALL		<a href="#">1098-32082</a>	
manufacturedProduct	1..1	SHALL		<a href="#">1098-32083</a>	<a href="#">Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09)</a>
performer	0..*	MAY		<a href="#">1098-30470</a>	
author	0..1	SHOULD		<a href="#">1098-32046</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	MAY		<a href="#">1098-31104</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31105</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">1098-31106</a>	Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143)
entryRelationship	0..*	MAY		<a href="#">1098-32069</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32070</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">1098-32071</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1098-32072</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32073</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ

XPath	Card.	Verb	Data Type	CONF#	Value
act	1..1	SHALL		<a href="#">1098-32074</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.4.20:2014-06-09)</a>
precondition	0..*	MAY		<a href="#">1098-32084</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32085</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = PRCN
criterion	1..1	SHALL		<a href="#">1098-32086</a>	Precondition for Substance Administration (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.4.25:2014-06-09)

1. **SHALL** contain exactly one [1..1] **@classCode**="SBADM" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-8572).
2. **SHALL** contain exactly one [1..1] **@moodCode**, which **SHALL** be selected from ValueSet [Planned moodCode \(SubstanceAdministration/Supply\)](#) urn:oid:2.16.840.1.113883.11.20.9.24 **STATIC** 2011-09-30 (CONF:1098-8573).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-30465) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.42" (CONF:1098-30466).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32557).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-8575).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-32087).
  - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code**="active" Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-32088).

The **effectiveTime** in a planned medication activity represents the time that the medication activity should occur.

6. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-30468) such that it
 

Note: This **effectiveTime** represents either the medication duration (i.e., the time the medication should be started and stopped) or the timestamp when the single-administration should occur.

  - a. **SHOULD** contain zero or one [0..1] **@value** (CONF:1098-32944).  
Note: indicates a single-administration timestamp
  - b. **SHOULD** contain zero or one [0..1] **low** (CONF:1098-32948).  
Note: indicates when medication started
  - c. **MAY** contain zero or one [0..1] **high** (CONF:1098-32949).  
Note: indicates when medication stopped
  - d. This **effectiveTime** **SHALL** contain either a **low** or a **@value** but not both (CONF:1098-32947).

The **effectiveTime** in a planned medication activity represents the time that the medication activity should occur.

7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1098-32943) such that it
  - a. **SHALL** contain exactly one [1..1] **@operator="A"** (CONF:1098-32945).
  - b. **SHALL** contain exactly one [1..1] **@xsi:type="PIVL\_TS" or "EIVL\_TS"** (CONF:1098-32946).

In a Planned Medication Activity, repeatNumber defines the number of allowed administrations. For example, a repeatNumber of "3" means that the substance can be administered up to 3 times.

8. **MAY** contain zero or one [0..1] **repeatNumber** (CONF:1098-32066).
9. **MAY** contain zero or one [0..1] **routeCode**, which **SHALL** be selected from ValueSet [SPL Drug Route of Administration Terminology](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.7 **DYNAMIC** (CONF:1098-32067).
  - a. The routeCode, if present, **SHOULD** contain zero or more [0..\*] **translation**, which **SHALL** be selected from ValueSet [Medication Route](#) urn:oid:2.16.840.1.113762.1.4.1099.12 **DYNAMIC** (CONF:1098-32952).
10. **MAY** contain zero or more [0..\*] **approachSiteCode**, which **SHALL** be selected from ValueSet [Body Site Value Set](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 **DYNAMIC** (CONF:1098-32078).
11. **MAY** contain zero or one [0..1] **doseQuantity** (CONF:1098-32068).

NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units

- a. The doseQuantity, if present, **SHOULD** contain zero or one [0..1] **@unit**, which **SHOULD** be selected from ValueSet [UnitsOfMeasureCaseSensitive](#) urn:oid:2.16.840.1.113883.1.11.12839 **DYNAMIC** (CONF:1098-32133).
12. **MAY** contain zero or one [0..1] **rateQuantity** (CONF:1098-32079).

NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units

- a. The rateQuantity, if present, **SHOULD** contain zero or one [0..1] **@unit**, which **SHOULD** be selected from ValueSet [UnitsOfMeasureCaseSensitive](#) urn:oid:2.16.840.1.113883.1.11.12839 **DYNAMIC** (CONF:1098-32134).
13. **MAY** contain zero or one [0..1] **maxDoseQuantity** (CONF:1098-32080).
14. **MAY** contain zero or one [0..1] **administrationUnitCode**, which **SHALL** be selected from ValueSet [AdministrationUnitDoseForm](#) urn:oid:2.16.840.1.113762.1.4.1021.30 **DYNAMIC** (CONF:1098-32081).
15. **SHALL** contain exactly one [1..1] **consumable** (CONF:1098-32082).
  - a. This consumable **SHALL** contain exactly one [1..1] [Medication Information \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09) (CONF:1098-32083).

The clinician who is expected to perform the medication activity could be identified using substanceAdministration/performer.

16. **MAY** contain zero or more [0..\*] **performer** (CONF:1098-30470).

The author in a planned medication activity represents the clinician who is requesting or planning the medication activity.

17. **SHOULD** contain zero or one [0..1] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-32046).

The following entryRelationship represents the priority that a patient or a provider places on the planned medication activity.

18. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-31104) such that it
- SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-31105).
  - SHALL** contain exactly one [1..1] Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:1098-31106).

The following entryRelationship represents the indication for the planned medication activity.

19. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-32069) such that it
- SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32070).
  - SHALL** contain exactly one [1..1] [Indication \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:1098-32071).

The following entryRelationship captures any instructions associated with the planned medication activity.

20. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-32072) such that it
- SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32073).
  - SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:1098-32074).
21. **MAY** contain zero or more [0..\*] **precondition** (CONF:1098-32084).
- The precondition, if present, **SHALL** contain exactly one [1..1] **@typeCode="PRCN"** Precondition (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32085).
  - The precondition, if present, **SHALL** contain exactly one [1..1] Precondition for Substance Administration (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.25:2014-06-09) (CONF:1098-32086).

**Figure 110: Planned Medication Activity (V2) Example**

```
<substanceAdministration moodCode="INT" classCode="SBADM">
  <templateId root="2.16.840.1.113883.10.20.22.4.42" extension="2014-06-09" />
  <!-- Planned Medication Activity (V2)-->
  <id root="cbbd33f0-6cde-11db-9fe1-0800200c9a66" />
  <text>Heparin 0.25 ml Prefilled Syringe</text>
  <statusCode code="active" />
  <!-- The effectiveTime in a planned medication activity
        represents the time that the medication activity should occur. -->
  <effectiveTime value="20130905" />
  <consumable>
    <manufacturedProduct classCode="MANU">
      <!-- Medication Information (V2) -->
      ...
    </manufacturedProduct>
  </consumable>
  <entryRelationship typeCode="REFR">
    <observation classCode="OBS" moodCode="EVN">
      <!-- Patient Priority Preference-->
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="REFR">
    <observation classCode="OBS" moodCode="EVN">
      <!-- Provider Priority Preference-->
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="RSON">
    <!-- Indication (V2) -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="SUBJ">
    <!-- Instruction (V2) -->
    ...
  </entryRelationship>
</substanceAdministration>
```

### 3.57 Planned Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.44:2014-06-09 (open) ]

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**Table 263: Planned Observation (V2) Contexts**

Contained By:	Contains:
<a href="#">Plan of Treatment Section (NHCS V3)</a> (optional) <a href="#">Nutrition Recommendation (NHCS V2)</a> (optional)	<a href="#">Indication (V2)</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Planned Coverage</a> (optional)

This template represents planned observations that result in new information about the patient which cannot be classified as a procedure according to the HL7 RIM, i.e., procedures alter the patient's body. Examples of these observations are laboratory tests, diagnostic imaging tests, EEGs, and EKGs. The importance of the planned observation to the patient and provider is communicated through Priority Preference. The effectiveTime indicates the time when the observation is intended to take place and authorTime indicates when the documentation of the plan occurred. The Planned Observation template may also indicate the potential insurance coverage for the observation.

**Table 264: Planned Observation (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.44:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-8581</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-8582</a>	urn:oid:2.16.840.1.113883.11.20.9.25 (Planned moodCode (Observation))
templateId	1..1	SHALL		<a href="#">1098-30451</a>	
@root	1..1	SHALL		<a href="#">1098-30452</a>	2.16.840.1.113883.10.20.22.4.44
@extension	1..1	SHALL		<a href="#">1098-32555</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-8584</a>	
code	1..1	SHALL		<a href="#">1098-31030</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC)
statusCode	1..1	SHALL		<a href="#">1098-30453</a>	
@code	1..1	SHALL		<a href="#">1098-32032</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active
effectiveTime	0..1	SHOULD		<a href="#">1098-30454</a>	
value	0..1	MAY		<a href="#">1098-31031</a>	
methodCode	0..1	MAY		<a href="#">1098-32043</a>	
targetSiteCode	0..*	SHOULD		<a href="#">1098-32044</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 (Body Site Value Set)
performer	0..*	MAY		<a href="#">1098-30456</a>	
author	0..*	SHOULD		<a href="#">1098-32033</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	MAY		<a href="#">1098-31073</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31074</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">1098-31075</a>	Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143)
entryRelationship	0..*	MAY		<a href="#">1098-32034</a>	



XPath	Card.	Verb	Data Type	CONF#	Value
@typeCode	1..1	SHALL		<a href="#">1098-32035</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">1098-32036</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1098-32037</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32038</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
act	1..1	SHALL		<a href="#">1098-32039</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1098-32040</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32041</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
act	1..1	SHALL		<a href="#">1098-32042</a>	<a href="#">Planned Coverage (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.129)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-8581).
2. **SHALL** contain exactly one [1..1] **@moodCode**, which **SHALL** be selected from ValueSet [Planned moodCode \(Observation\)](#) urn:oid:2.16.840.1.113883.11.20.9.25 **STATIC** 2011-09-30 (CONF:1098-8582).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-30451) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.44" (CONF:1098-30452).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32555).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-8584).
5. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from CodeSystem LOINC (urn:oid:2.16.840.1.113883.6.1) (CONF:1098-31030).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-30453).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="active" Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-32032).

The effectiveTime in a planned observation represents the time that the observation should occur.

7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1098-30454).
8. **MAY** contain zero or one [0..1] **value** (CONF:1098-31031).

In a planned observation the provider may suggest that an observation should be performed using a particular method.

9. **MAY** contain zero or one [0..1] **methodCode** (CONF:1098-32043).

The targetSiteCode is used to identify the part of the body of concern for the planned observation.

10. **SHOULD** contain zero or more [0..\*] **targetSiteCode**, which **SHALL** be selected from ValueSet [Body Site Value Set](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 **DYNAMIC** (CONF:1098-32044).

The clinician who is expected to perform the observation could be identified using procedure/performer.

11. **MAY** contain zero or more [0..\*] **performer** (CONF:1098-30456).

The author in a planned observation represents the clinician who is requesting or planning the observation.

12. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-32033).

The following entryRelationship represents the priority that a patient or a provider places on the observation.

13. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-31073) such that it

- a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-31074).
- b. **SHALL** contain exactly one [1..1] **Priority Preference** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:1098-31075).

The following entryRelationship represents the indication for the observation.

14. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-32034) such that it

- a. **SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32035).
- b. **SHALL** contain exactly one [1..1] [Indication \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:1098-32036).

The following entryRelationship captures any instructions associated with the planned observation.

15. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-32037) such that it

- a. **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32038).
- b. **SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:1098-32039).

The following entryRelationship represents the insurance coverage the patient may have for the observation.

16. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-32040) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32041).
  - b. **SHALL** contain exactly one [1..1] **Planned Coverage** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.129) (CONF:1098-32042).

**Table 265: Planned moodCode (Observation)**

Value Set: Planned moodCode (Observation) urn:oid:2.16.840.1.113883.11.20.9.25 (Clinical Focus: Mood values appropriate to planned observations),(Data Element Scope: NA),(Inclusion Criteria: NA),(Exclusion Criteria: NA)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.25/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.25/expansion</a>			
Code	Code System	Code System OID	Print Name
GOL	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	Goal
INT	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	intent
PRMS	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	promise
PRP	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	proposal
RQO	HL7ActMood	urn:oid:2.16.840.1.113883.5.1001	request

**Figure 111: Planned Observation (V2) Example**

```
<observation classCode="OBS" moodCode="INT">
  <templateId root="2.16.840.1.113883.10.20.22.4.44"
    extension="2014-06-09" />
  <id root="b52bee94-c34b-4e2c-8c15-5ad9d6def205" />
  <code code="59408-5"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"
    displayName="Oxygen saturation in Arterial blood by Pulse oximetry" />
  <statusCode code="active" />
  <effectiveTime value="20130903" />
  <author typeCode="AUT">
    <!-- Author Participation -->
  </author>
  <entryRelationship typeCode="REFR">
    <!-- Priority Preference -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="RSON">
    <!-- Indication (V2) -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="SUBJ">
    <!-- Instruction (V2) -->
    ...
  </entryRelationship>
  <entryRelationship typeCode="COMP">
    <!-- Planned Coverage -->
    ...
  </entryRelationship>
</observation>
```

### 3.58 Planned Procedure (NHCS V4)

[procedure: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01  
(open) ]

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**Table 266: Planned Procedure (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Plan of Treatment Section (NHCS V3)</a> (optional) <a href="#">Nutrition Recommendation (NHCS V2)</a> (optional)	<a href="#">Indication (V2)</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Planned Coverage</a> (optional) <a href="#">Assessment Scale Observation (NHCS V3)</a> (optional)

The C-CDA template, Planned Procedure (V3), has been versioned in this guide to support USCDI-v3. This template represents planned alterations of the patient's physical condition. Examples of such procedures are tracheostomy, knee replacement, and craniectomy. The priority of the procedure to the patient and provider is communicated through Priority Preference. The effectiveTime indicates the time when the procedure is intended to take place and authorTime indicates when the documentation of the plan occurred. The Planned Procedure Template may also indicate the potential insurance coverage for the procedure.

Planned Procedure V3 Usage Note: Common practice in the industry has shown that Planned Procedure is the usually implemented CDA template for any type of intervention or procedure regardless of if the "immediate and primary outcome (post-condition) is the alteration of the physical condition of the patient", or not. As a result, it is recommended to use Planned Procedure when sending procedures also thought of as "interventions" such as "Home Environment Evaluation" or "Assessment of nutritional status".

**Table 267: Planned Procedure (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
procedure (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-8568</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = PROC
@moodCode	1..1	SHALL		<a href="#">5564-8569</a>	urn:oid:2.16.840.1.113883.11.20.9.23 (Planned moodCode (Act/Encounter/Procedure))
templateId	1..1	SHALL		<a href="#">5564-30444</a>	
@root	1..1	SHALL		<a href="#">5564-30445</a>	2.16.840.1.113883.10.20.22.4.41
@extension	1..1	SHALL		<a href="#">5564-32554</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-8571</a>	
code	1..1	SHALL		<a href="#">5564-31976</a>	
statusCode	1..1	SHALL		<a href="#">5564-30446</a>	
@code	1..1	SHALL		<a href="#">5564-31978</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active
effectiveTime	0..1	SHOULD		<a href="#">5564-30447</a>	
methodCode	0..*	MAY		<a href="#">5564-31980</a>	
targetSiteCode	0..*	MAY		<a href="#">5564-31981</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 (Body Site Value Set)
performer	0..*	MAY		<a href="#">5564-30449</a>	
author	0..1	SHOULD		<a href="#">5564-31979</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31079</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31080</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31081</a>	Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143)
entryRelationship	0..*	MAY		<a href="#">5564-31982</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31983</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType)

XPath	Card.	Verb	Data Type	CONF#	Value
					= RSON
observation	1..1	SHALL		<a href="#">5564-31984</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31985</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31986</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-31987</a>	true
act	1..1	SHALL		<a href="#">5564-31989</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-31990</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31991</a>	COMP
act	1..1	SHALL		<a href="#">5564-31992</a>	<a href="#">Planned Coverage (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.129)</a>
entryRelationship	0..*	MAY		<a href="#">5564-32994</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32998</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">5564-32995</a>	<a href="#">Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-32996</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32999</a>	RSON
act	1..1	SHALL		<a href="#">5564-32997</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)

1. **SHALL** contain exactly one [1..1] @classCode="PROC" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-8568).
2. **SHALL** contain exactly one [1..1] @moodCode, which **SHALL** be selected from ValueSet [Planned moodCode \(Act/Encounter/Procedure\)](#) urn:oid:2.16.840.1.113883.11.20.9.23 **STATIC** 2011-09-30 (CONF:5564-8569).
3. **SHALL** contain exactly one [1..1] templateId (CONF:5564-30444) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.41" (CONF:5564-30445).

- b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32554).
- 4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-8571).
- 5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-31976).
  - a. This **@code** **SHOULD** be selected from LOINC (CodeSystem: 2.16.840.1.113883.6.1) or SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96) or CPT (CodeSystem: 2.16.840.1.113883.6.12) or ICD-10-PCS (CodeSystem: 2.16.840.1.113883.6.4) or HCPCS (Code System: 2.16.840.1.113762.1.4.1247.9) or CDT-2 (Code System: 2.16.840.1.113883.6.13) (CONF:5564-31977).
  - b. If the Planned Intervention Procedure is a Social Determinant of Health Planned Intervention Procedure, the procedure code **SHOULD** be selected from ValueSet [Social Determinant of Health Service Request](#) DYNAMIC (CONF:5564-32993).
- 6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-30446).
  - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code**="active" Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:5564-31978).

The **effectiveTime** in a planned procedure represents the time that the procedure should occur.

- 7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:5564-30447).

In a planned procedure the provider may suggest that a procedure should be performed using a particular method.

**MethodCode** *SHALL NOT* conflict with the method inherent in Procedure / code.

- 8. **MAY** contain zero or more [0..\*] **methodCode** (CONF:5564-31980).

The **targetSiteCode** is used to identify the part of the body of concern for the planned procedure.

- 9. **MAY** contain zero or more [0..\*] **targetSiteCode**, which **SHALL** be selected from ValueSet [Body Site Value Set](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 DYNAMIC (CONF:5564-31981).

The clinician who is expected to perform the procedure could be identified using procedure/performer.

- 10. **MAY** contain zero or more [0..\*] **performer** (CONF:5564-30449).

The author in a planned procedure represents the clinician who is requesting or planning the procedure.

- 11. **SHOULD** contain zero or one [0..1] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-31979).

The following **entryRelationship** represents the priority that a patient or a provider places on the procedure.

- 12. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31079) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31080).
  - b. **SHALL** contain exactly one [1..1] **Priority Preference** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:5564-31081).



The following entryRelationship represents the indication for the procedure.

13. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31982) such that it
- SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31983).
  - SHALL** contain exactly one [1..1] Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:5564-31984).

The following entryRelationship captures any instructions associated with the planned procedure.

14. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31985) such that it
- SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31986).
  - SHALL** contain exactly one [1..1] **@inversionInd="true"** True (CONF:5564-31987).
  - SHALL** contain exactly one [1..1] Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:5564-31989).

The following entryRelationship represents the insurance coverage the patient may have for the procedure.

15. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31990) such that it
- SHALL** contain exactly one [1..1] **@typeCode="COMP"** Has component (CONF:5564-31991).
  - SHALL** contain exactly one [1..1] Planned Coverage (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.129) (CONF:5564-31992).

When an Assessment Scale Observation is contained in a Procedure Template instance that is a Social Determinant of Health procedure, that Assessment scale **MAY** contain Assessment Scale observations that represent LOINC question and answer pairs from SDOH screening instruments.

16. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32994) such that it
- SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32998).
  - SHALL** contain exactly one [1..1] Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01) (CONF:5564-32995).

When an Entry Reference Template is contained in a Procedure Template instance that is a Social Determinant of Health procedure, that Entry Reference **MAY** refer to Assessment Scale Observation in the same document that represent LOINC question and answer pairs from SDOH screening instruments.

17. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32996) such that it
- SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has reason (CONF:5564-32999).

- b. **SHALL** contain exactly one [1..1] Entry Reference (identifier:  
urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:5564-32997).

**Figure 112: Planned Procedure (NHCS V4) Example**

```
<procedure classCode="PROC" moodCode="RQO">
  <!-- [Updated C-CDA R2] Planned Procedure (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.41" extension="2025-08-01"/>
  <id root="93078631-5703-4c18-b4aa-f14042ca6e36"/>
  <code code="73761001" codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED CT" displayName="Colonoscopy" />
  <statusCode code="active" />
  <effectiveTime value="20130613" />
  <!-- Author Participation -->
  <author typeCode="AUT">
    ...
  </author>
  <entryRelationship typeCode="RSON">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA] Indication (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.19" extension="2014-06-09" />
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="SUBJ">
    <act classCode="ACT" moodCode="INT">
      <!-- [C-CDA] Instruction (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />
      ...
    </act>
  </entryRelationship>
  <entryRelationship typeCode="COMP">
    <observation classCode="ACT" moodCode="INT">
      <!-- [C-CDA] Planned Coverage -->
      <templateId root="2.16.840.1.113883.10.20.22.4.129" />
      ...
    </observation>
  </entryRelationship>
</procedure>
```

**Figure 113: Social Determinant of Health Planned Procedure (NHCS V4) Example**

```
<procedure classCode="PROC" moodCode="RQO">
  <!-- [Updated C-CDA R2] Planned Procedure (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.41" extension="2025-08-01"/>
  <id extension="2448483" root="1.2.840.114350.1.13.5552.1.7.2.798268"/>
  <code code="464171000124102"
    codeSystem="2.16.840.1.113883.6.96"
    displayName="Referral to Senior Farmers' Market Nutrition Program (procedure)"
    codeSystemName="SNOMED-CT">
    <originalText>
      <reference value="#Procedure1name"/>
    </originalText>
  </code>
  <text>
    <reference value="#Procedure1"/>
  </text>
  <statusCode code="completed"/>
  <effectiveTime value="20160413"/>
</procedure>
```

### 3.59 Planned Supply (V2)

[supply: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09  
(open)]

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**Table 268: Planned Supply (V2) Contexts**

Contained By:	Contains:
<a href="#">Plan of Treatment Section (NHCS V3)</a> (optional) <a href="#">Nutrition Recommendation (NHCS V2)</a> (optional)	<a href="#">Product Instance</a> (optional) <a href="#">Indication (V2)</a> (optional) <a href="#">Medication Information (V2)</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Immunization Medication Information (V2)</a> (optional) <a href="#">Planned Coverage</a> (optional)

This template represents both medicinal and non-medicinal supplies ordered, requested, or intended for the patient (e.g., medication prescription, order for wheelchair). The importance of the supply order or request to the patient and provider may be indicated in the Priority Preference.

The effective time indicates the time when the supply is intended to take place and author time indicates when the documentation of the plan occurred. The Planned Supply template may also indicate the potential insurance coverage for the procedure.

Depending on the type of supply, the product or participant will be either a Medication Information product (medication), an Immunization Medication Information product (immunization), or a Product Instance participant (device/equipment).

**Table 269: Planned Supply (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
supply (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-8577</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = SPLY
@moodCode	1..1	SHALL		<a href="#">1098-8578</a>	urn:oid:2.16.840.1.113883.11.20.9.24 (Planned moodCode (SubstanceAdministration/Supply))
templateId	1..1	SHALL		<a href="#">1098-30463</a>	
@root	1..1	SHALL		<a href="#">1098-30464</a>	2.16.840.1.113883.10.20.22.4.43
@extension	1..1	SHALL		<a href="#">1098-32556</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-8580</a>	
statusCode	1..1	SHALL		<a href="#">1098-30458</a>	
@code	1..1	SHALL		<a href="#">1098-32047</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active
effectiveTime	0..1	SHOULD		<a href="#">1098-30459</a>	
repeatNumber	0..1	MAY		<a href="#">1098-32063</a>	
quantity	0..1	MAY		<a href="#">1098-32064</a>	
product	0..1	MAY		<a href="#">1098-32049</a>	
manufacturedProduct	1..1	SHALL		<a href="#">1098-32050</a>	<a href="#">Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09)</a>
product	0..1	MAY		<a href="#">1098-32051</a>	
manufacturedProduct	1..1	SHALL		<a href="#">1098-32052</a>	<a href="#">Immunization Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09)</a>
product	0..1	SHOULD		<a href="#">1098-32325</a>	
performer	0..*	MAY		<a href="#">1098-32048</a>	
author	0..1	SHOULD		<a href="#">1098-31129</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
participant	0..1	MAY		<a href="#">1098-32094</a>	
participantRole	1..1	SHALL		<a href="#">1098-32095</a>	<a href="#">Product Instance (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37)</a>
entryRelationship	0..*	MAY		<a href="#">1098-31110</a>	
@typeCode	1..1	SHALL		<a href="#">1098-31111</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">1098-31112</a>	Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143)
entryRelationship	0..*	MAY		<a href="#">1098-32054</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32055</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">1098-32056</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1098-32057</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32058</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
act	1..1	SHALL		<a href="#">1098-32059</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1098-32060</a>	
@typeCode	1..1	SHALL		<a href="#">1098-32061</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
act	1..1	SHALL		<a href="#">1098-32062</a>	<a href="#">Planned Coverage (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.129)</a>

1. **SHALL** contain exactly one [1..1] @classCode="SPLY" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-8577).
2. **SHALL** contain exactly one [1..1] @moodCode, which **SHALL** be selected from ValueSet [Planned moodCode \(SubstanceAdministration/Supply\)](#) urn:oid:2.16.840.1.113883.11.20.9.24 **STATIC** 2011-09-30 (CONF:1098-8578).
3. **SHALL** contain exactly one [1..1] templateId (CONF:1098-30463) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.43" (CONF:1098-30464).

- b. **SHALL** contain exactly one [1..1] **@extension="2014-06-09"** (CONF:1098-32556).
- 4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-8580).
- 5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-30458).
  - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code="active"** Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-32047).

The **effectiveTime** in a planned supply represents the time that the supply should occur.

- 6. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1098-30459).

In a Planned Supply, **repeatNumber** indicates the number of times the supply event can occur. For example, if a medication is filled at a pharmacy and the prescription may be refilled 3 more times, the supply **RepeatNumber** equals 4.

- 7. **MAY** contain zero or one [0..1] **repeatNumber** (CONF:1098-32063).
- 8. **MAY** contain zero or one [0..1] **quantity** (CONF:1098-32064).

This product represents medication that is ordered, requested or intended for the patient.

- 9. **MAY** contain zero or one [0..1] **product** (CONF:1098-32049) such that it
  - a. **SHALL** contain exactly one [1..1] Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09) (CONF:1098-32050).
  - b. If the product is Medication Information (V2) (2.16.840.1.113883.10.20.22.4.23.2) then the product **SHALL NOT** be Immunization Medication Information (2.16.840.1.113883.10.20.22.4.54.2) and the participant **SHALL NOT** be Product Instance (CONF:1098-32092).

This product represents immunization medication that is ordered, requested or intended for the patient.

- 10. **MAY** contain zero or one [0..1] **product** (CONF:1098-32051) such that it
  - a. **SHALL** contain exactly one [1..1] Immunization Medication Information (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09) (CONF:1098-32052).
  - b. If the product is Medication Information (V2) (2.16.840.1.113883.10.20.22.4.23.2) then the product **SHALL NOT** be Immunization Medication Information (2.16.840.1.113883.10.20.22.4.54.2) and the participant **SHALL NOT** be Product Instance (CONF:1098-32093).

A product is recommended or even required under certain implementations. This IG makes product as recommended (SHOULD).

- 11. **SHOULD** contain zero or one [0..1] **product** (CONF:1098-32325).

The clinician who is expected to perform the supply could be identified using supply/performer.

- 12. **MAY** contain zero or more [0..\*] **performer** (CONF:1098-32048).

The author in a supply represents the clinician who is requesting or planning the supply.

- 13. **SHOULD** contain zero or one [0..1] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-31129).

This participant represents a device that is ordered, requested or intended for the patient.

14. **MAY** contain zero or one [0..1] **participant** (CONF:1098-32094) such that it
- SHALL** contain exactly one [1..1] [Product Instance](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37) (CONF:1098-32095).
  - If the participant is Product Instance then the product **SHALL NOT** be Medication Information (V2) (2.16.840.1.113883.10.20.22.4.23.2) and the product **SHALL NOT** be Immunization Medication Information (V2) (2.16.840.1.113883.10.20.22.4.54.2) (CONF:1098-32096).

The following entryRelationship represents the priority that a patient or a provider places on the supply.

15. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-31110) such that it
- SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-31111).
  - SHALL** contain exactly one [1..1] **Priority Preference** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:1098-31112).

The following entryRelationship represents the indication for the supply.

16. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-32054) such that it
- SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32055).
  - SHALL** contain exactly one [1..1] [Indication \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:1098-32056).

The following entryRelationship captures any instructions associated with the planned supply.

17. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-32057) such that it
- SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32058).
  - SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:1098-32059).

The following entryRelationship represents the insurance coverage the patient may have for the supply.

18. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1098-32060) such that it
- SHALL** contain exactly one [1..1] **@typeCode="COMP"** Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32061).
  - SHALL** contain exactly one [1..1] [Planned Coverage](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.129) (CONF:1098-32062).

**Figure 114: Planned Supply (V2) Example**

```
<supply moodCode="INT" classCode="SPLY">
  <templateId root="2.16.840.1.113883.10.20.22.4.43" extension="2014-06-09" />
  <!-- Planned Supply (V2) -->
  <id root="9a6d1bac-17d3-4195-89c4-1121bc809b5d" />
  <statusCode code="active" />
  <!-- The effectiveTime in a planned supply represents
the time that the supply should occur. -->
  <effectiveTime value="20130615" />
  <repeatNumber value="1" />
  <quantity value="3" />
  <!-- This product represents medication that is ordered,
requested or intended for the patient. -->
  <product>
    <manufacturedProduct classCode="MANU">
      <!-- Medication Information (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.23" extension="2014-06-09" />
      <id root="2a620155-9d11-439e-92b3-5d9815ff4ee8" />
      <manufacturedMaterial>
        <code code="573621" codeSystem="2.16.840.1.113883.6.88"
displayName="Proventil 0.09 MG/ACTUAT inhalant solution">
          <originalText>
            <reference value="#MedSec_1" />
          </originalText>
          <translation code="573621" displayName="Proventil 0.09 MG/ACTUAT
inhalant solution" codeSystem="2.16.840.1.113883.6.88" codeSystemName="RxNorm" />
        </code>
      </manufacturedMaterial>
      <manufacturerOrganization>
        <name>Medication Factory Inc.</name>
      </manufacturerOrganization>
    </manufacturedProduct>
  </product>
  <!-- The clinician who is expected to perform the supply
could be identified using supply/performer. -->
  <performer>
    ...

  </performer>
  <!-- The author in a supply represents the clinician
who is requesting or planning the supply. -->
  <author typeCode="AUT">
    ...

  </author>
  <entryRelationship typeCode="REFR">
    <!-- Patient Priority Preference -->
    ...

  </entryRelationship>
  <entryRelationship typeCode="REFR">
    <!-- Provider Priority Preference -->
    ...

  </entryRelationship>
  <entryRelationship typeCode="RSON">
```



```

        <!-- Indication (V2) -->
        ...

    </entryRelationship>
    <entryRelationship typeCode="SUBJ">
        <!-- Instruction (V2) -->
        ...

    </entryRelationship>
    <entryRelationship typeCode="COMP">
        <!-- Planned Coverage -->
        ...

    </entryRelationship>
</supply>

```

### 3.60 Policy Activity (V3)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.61:2015-08-01 (open)]

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**Table 270: Policy Activity (V3) Contexts**

Contained By:	Contains:
<a href="#">Coverage Activity (V4)</a> (required)	<a href="#">US Realm Address (AD.US.FIELDDED)</a> (optional)

A policy activity represents the policy or program providing the coverage. The person for whom payment is being provided (i.e., the patient) is the covered party. The subscriber of the policy or program is represented as a participant that is the holder of the coverage. The payer is represented as the performer of the policy activity.

**Table 271: Policy Activity (V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.61:2015-08-01)					
@classCode	1..1	SHALL		<a href="#">1198-8898</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">1198-8899</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1198-8900</a>	
@root	1..1	SHALL		<a href="#">1198-10516</a>	2.16.840.1.113883.10.20.22.4.61
@extension	1..1	SHALL		<a href="#">1198-32595</a>	2015-08-01
id	1..*	SHALL		<a href="#">1198-8901</a>	
code	1..1	SHALL		<a href="#">1198-8903</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2 (Health Insurance Type)
translation	1..*	SHALL		<a href="#">1198-32852</a>	urn:oid:2.16.840.1.114222.4.11.3591 (Payer)
statusCode	1..1	SHALL		<a href="#">1198-8902</a>	
@code	1..1	SHALL		<a href="#">1198-19109</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
performer	1..1	SHALL		<a href="#">1198-8906</a>	
@typeCode	1..1	SHALL		<a href="#">1198-8907</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = PRF
templateId	1..1	SHALL		<a href="#">1198-16808</a>	
@root	1..1	SHALL		<a href="#">1198-16809</a>	2.16.840.1.113883.10.20.22.4.87
assignedEntity	1..1	SHALL		<a href="#">1198-8908</a>	
id	1..*	SHALL		<a href="#">1198-8909</a>	
code	0..1	SHOULD		<a href="#">1198-8914</a>	
@code	1..1	SHALL		<a href="#">1198-15992</a>	urn:oid:2.16.840.1.113883.1.11.10416 (Financially Responsible Party Type Value Set)
addr	0..1	MAY		<a href="#">1198-8910</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
telecom	0..*	MAY		<a href="#">1198-8911</a>	
representedOrganization	0..1	SHOULD		<a href="#">1198-8912</a>	
name	0..1	SHOULD		<a href="#">1198-8913</a>	
performer	0..*	SHOULD		<a href="#">1198-8961</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32971</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = PRF
templateId	1..1	SHALL		<a href="#">1198-16810</a>	
@root	1..1	SHALL		<a href="#">1198-16811</a>	2.16.840.1.113883.10.20.22.4.88
time	0..1	SHOULD		<a href="#">1198-8963</a>	
assignedEntity	1..1	SHALL		<a href="#">1198-8962</a>	
code	1..1	SHALL		<a href="#">1198-8968</a>	
@code	1..1	SHALL		<a href="#">1198-16096</a>	GUAR
@codeSystem	1..1	SHALL		<a href="#">1198-32165</a>	2.16.840.1.113883.5.110
addr	0..1	SHOULD		<a href="#">1198-8964</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>
telecom	0..*	SHOULD		<a href="#">1198-8965</a>	
participant	1..1	SHALL		<a href="#">1198-8916</a>	
@typeCode	1..1	SHALL		<a href="#">1198-8917</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = COV
templateId	1..1	SHALL		<a href="#">1198-16812</a>	
@root	1..1	SHALL		<a href="#">1198-16814</a>	2.16.840.1.113883.10.20.22.4.89
time	0..1	SHOULD		<a href="#">1198-8918</a>	
low	0..1	SHOULD		<a href="#">1198-8919</a>	
high	0..1	SHOULD		<a href="#">1198-8920</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
participantRole	1..1	SHALL		<a href="#">1198-8921</a>	
id	1..*	SHALL		<a href="#">1198-8922</a>	
code	1..1	SHALL		<a href="#">1198-8923</a>	
@code	0..1	SHOULD		<a href="#">1198-16078</a>	urn:oid:2.16.840.1.113883.1.1 1.18877 (Coverage Role Type Value Set)
addr	0..1	SHOULD		<a href="#">1198-8956</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2</a>
playingEntity	0..1	SHOULD		<a href="#">1198-8932</a>	
name	1..*	SHALL		<a href="#">1198-8930</a>	
sdtc:birthTime	1..1	SHALL		<a href="#">1198-31344</a>	
participant	0..1	SHOULD		<a href="#">1198-8934</a>	
@typeCode	1..1	SHALL		<a href="#">1198-8935</a>	urn:oid:2.16.840.1.113883.5.9 0 (HL7ParticipationType) = HLD
templateId	1..1	SHALL		<a href="#">1198-16813</a>	
@root	1..1	SHALL		<a href="#">1198-16815</a>	2.16.840.1.113883.10.20.22.4 .90
time	0..1	MAY		<a href="#">1198-8938</a>	
participantRole	1..1	SHALL		<a href="#">1198-8936</a>	
id	1..*	SHALL		<a href="#">1198-8937</a>	
addr	0..1	SHOULD		<a href="#">1198-8925</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2</a>
entryRelationship	1..*	SHALL		<a href="#">1198-8939</a>	
@typeCode	1..1	SHALL		<a href="#">1198-8940</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR

1. **SHALL** contain exactly one [1..1] @classCode="ACT" Act (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-8898).

2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-8899).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-8900) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.61" (CONF:1198-10516).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32595).

This id is a unique identifier for the policy or program providing the coverage

4. **SHALL** contain at least one [1..\*] **id** (CONF:1198-8901).
5. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [Health Insurance Type](#) urn:oid:2.16.840.1.113883.3.88.12.3221.5.2 **DYNAMIC** (CONF:1198-8903).
  - a. This code **SHALL** contain at least one [1..\*] **translation**, which **SHOULD** be selected from ValueSet [Payer](#) urn:oid:2.16.840.1.114222.4.11.3591 **DYNAMIC** (CONF:1198-32852).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-8902).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1198-19109).

This performer represents the Payer.

7. **SHALL** contain exactly one [1..1] **performer** (CONF:1198-8906) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="PRF" Performer (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:1198-8907).
  - b. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-16808).
    - i. This templateId **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.87" Payer Performer (CONF:1198-16809).
  - c. **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:1198-8908).
    - i. This assignedEntity **SHALL** contain at least one [1..\*] **id** (CONF:1198-8909).
    - ii. This assignedEntity **SHOULD** contain zero or one [0..1] **code** (CONF:1198-8914).
      1. The code, if present, **SHALL** contain exactly one [1..1] **@code**, which **SHOULD** be selected from ValueSet [Financially Responsible Party Type Value Set](#) urn:oid:2.16.840.1.113883.1.11.10416 **DYNAMIC** (CONF:1198-15992).
    - iii. This assignedEntity **MAY** contain zero or one [0..1] [US Realm Address \(AD.US.FIELDDED\)](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-8910).
    - iv. This assignedEntity **MAY** contain zero or more [0..\*] **telecom** (CONF:1198-8911).
    - v. This assignedEntity **SHOULD** contain zero or one [0..1] **representedOrganization** (CONF:1198-8912).

1. The representedOrganization, if present, **SHOULD** contain zero or one [0..1] **name** (CONF:1198-8913).

This performer represents the Guarantor.

8. **SHOULD** contain zero or more [0..\*] **performer** (CONF:1198-8961) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="PRF" Performer (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:1198-32971).
  - b. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-16810).
    - i. This templateId **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.88" Guarantor Performer (CONF:1198-16811).
  - c. **SHOULD** contain zero or one [0..1] **time** (CONF:1198-8963).
  - d. **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:1198-8962).
    - i. This assignedEntity **SHALL** contain exactly one [1..1] **code** (CONF:1198-8968).
      1. This code **SHALL** contain exactly one [1..1] **@code**="GUAR" Guarantor (CONF:1198-16096).
      2. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.5.110" (CONF:1198-32165).
    - ii. This assignedEntity **SHOULD** contain zero or one [0..1] **US Realm Address (AD.US.FIELDDED)** (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-8964).
    - iii. This assignedEntity **SHOULD** contain zero or more [0..\*] **telecom** (CONF:1198-8965).
    - iv. **SHOULD** include assignedEntity/assignedPerson/name AND/OR assignedEntity/representedOrganization/name (CONF:1198-8967).
9. **SHALL** contain exactly one [1..1] **participant** (CONF:1198-8916) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="COV" Coverage target (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:1198-8917).
  - b. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-16812).
    - i. This templateId **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.89" Covered Party Participant (CONF:1198-16814).
  - c. **SHOULD** contain zero or one [0..1] **time** (CONF:1198-8918).
    - i. The time, if present, **SHOULD** contain zero or one [0..1] **low** (CONF:1198-8919).
    - ii. The time, if present, **SHOULD** contain zero or one [0..1] **high** (CONF:1198-8920).
  - d. **SHALL** contain exactly one [1..1] **participantRole** (CONF:1198-8921).
    - i. This participantRole **SHALL** contain at least one [1..\*] **id** (CONF:1198-8922).
      1. This id is a unique identifier for the covered party member. Implementers **SHOULD** use the same GUID for each instance of a member identifier from the same health plan (CONF:1198-8984).

- ii. This participantRole **SHALL** contain exactly one [1..1] **code** (CONF:1198-8923).
  - 1. This code **SHOULD** contain zero or one [0..1] **@code**, which **SHOULD** be selected from ValueSet Coverage Role Type Value Set (urn:oid:2.16.840.1.113883.1.11.18877 **DYNAMIC** (CONF:1198-16078)).
- iii. This participantRole **SHOULD** contain zero or one [0..1] US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-8956).
- iv. This participantRole **SHOULD** contain zero or one [0..1] **playingEntity** (CONF:1198-8932).

If the covered party's name is recorded differently in the health plan and in the registration/pharmacy benefit summary (due to marriage or for other reasons), use the name as it is recorded in the health plan.

- 1. The playingEntity, if present, **SHALL** contain at least one [1..\*] **name** (CONF:1198-8930).

If the covered party's date of birth is recorded differently in the health plan and in the registration/pharmacy benefit summary, use the date of birth as it is recorded in the health plan.

- 2. The playingEntity, if present, **SHALL** contain exactly one [1..1] **sdtc:birthTime** (CONF:1198-31344).
  - a. The prefix sdtc: **SHALL** be bound to the namespace "urn:hl7-org:sdtc". The use of the namespace provides a necessary extension to CDA R2 for the use of the birthTime element (CONF:1198-31345).

When the Subscriber is the patient, the participant element describing the subscriber **SHALL NOT** be present. This information will be recorded instead in the data elements used to record member information.

- 10. **SHOULD** contain zero or one [0..1] **participant** (CONF:1198-8934) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="HLD"** Holder (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:1198-8935).
  - b. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-16813).
    - i. This templateId **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.90"** Policy Holder Participant (CONF:1198-16815).
  - c. **MAY** contain zero or one [0..1] **time** (CONF:1198-8938).
  - d. **SHALL** contain exactly one [1..1] **participantRole** (CONF:1198-8936).
    - i. This participantRole **SHALL** contain at least one [1..\*] **id** (CONF:1198-8937).
      - 1. This id is a unique identifier for the subscriber of the coverage (CONF:1198-10120).
    - ii. This participantRole **SHOULD** contain zero or one [0..1] US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-8925).

- e. When the Subscriber is the patient, the participant element describing the subscriber **SHALL NOT** be present. This information will be recorded instead in the data elements used to record member information (CONF:1198-17139).
11. **SHALL** contain at least one [1..\*] **entryRelationship** (CONF:1198-8939) such that it
- a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:1198-8940).
  - b. The target of a policy activity with act/entryRelationship/@typeCode="REFR" **SHALL** be an authorization activity (templateId 2.16.840.1.113883.10.20.1.19) *OR* an act, with act[@classCode="ACT"] and act[@moodCode="DEF"], representing a description of the coverage plan (CONF:1198-8942).
  - c. A description of the coverage plan **SHALL** contain one or more act/id, to represent the plan identifier, and an act/text with the name of the plan (CONF:1198-8943).



**Table 272: Health Insurance Type**

Value Set: Health Insurance Type urn:oid:2.16.840.1.113883.3.88.12.3221.5.2			
Code	Code System	Code System OID	Print Name
12	Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2	Medicare Secondary Working Aged Beneficiary or Spouse with Employer Group Health Plan
13	Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2	Medicare Secondary End-Stage Renal Disease Beneficiary in the 12 month coordination period with an employer's group health plan
14	Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2	Medicare Secondary, No-fault Insurance including Auto is Primary
15	Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2	Medicare Secondary Worker's Compensation
16	Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2	Medicare Secondary Public Health Service (PHS) or Other Federal Agency
41	Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2	Medicare Secondary Black Lung
42	Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2	Medicare Secondary Veteran's Administration
43	Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2	Medicare Secondary Disabled Beneficiary Under Age 65 with Large Group Health Plan (LGHP)
47	Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2	Medicare Secondary, Other Liability Insurance is Primary
AP	Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2	Auto Insurance Policy
...			

**Table 273: Financially Responsible Party Type Value Set**

Value Set: Financially Responsible Party Type Value Set urn:oid:2.16.840.1.113883.1.11.10416 (Clinical Focus: A relationship between two entities that is formally recognized, frequently by a contract or similar agreement),(Data Element Scope: Financially responsible person code),(Inclusion Criteria: All selectable descendants of RoleClassRelationshipFormal from the RoleClass HL7 code system),(Exclusion Criteria: none)  This value set was imported on 6/24/2019 with a version of 20190517. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.10416/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.10416/expansion</a>			
Code	Code System	Code System OID	Print Name
AFFL	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	affiliate
AGNT	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	agent
ASSIGNED	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	assigned entity
CASEBJ	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	Case Subject
CIT	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	citizen
CLAIM	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	claimant
COMPAR	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	commissioning party
CON	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	contact
COVPTY	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	covered party
CRINV	HL7RoleClass	urn:oid:2.16.840.1.113883.5.110	clinical research investigator
...			

**Table 274: Coverage Role Type Value Set**

Value Set: Coverage Role Type Value Set urn:oid:2.16.840.1.113883.1.11.18877 (Clinical Focus: The role of the covered patient with respect to the coverage holder),(Data Element Scope: ),(Inclusion Criteria: descendants of _CoverageRoleType [abstract term] in RoleCode 2.16.840.1.113883.5.111),(Exclusion Criteria: )  This value set was imported on 6/24/2019 with a version of 20190425. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.18877/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.18877/expansion</a>			
Code	Code System	Code System OID	Print Name
FAMDEP	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	family dependent
FSTUD	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	full-time student
HANDIC	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	handicapped dependent
INJ	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	injured plaintiff
PSTUD	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	part-time student
SELF	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	self
SPON	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	sponsored dependent
STUD	HL7RoleCode	urn:oid:2.16.840.1.113883.5.111	student

**Figure 115: Policy Activity (V3) Example**

```

<act classCode="ACT" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.61" extension="2015-08-01" />
  <id root="3e676a50-7aac-11db-9fe1-0800200c9a66" />
  <code code="12" displayName="Medicare Secondary Working Aged Beneficiary or Spouse with
Employer Group Health Plan"
    codeSystemName="Insurance Type Code (x12N-1336)"
    codeSystem="2.16.840.1.113883.6.255.1336">
  <translation code="2" displayName="Medicare"
    codeSystem="2.16.840.1.113883.3.221.5"
codeSystemName="Source of Payment Typology (PHDSC)"></translation>
</code>
  <statusCode code="completed" />
  <!-- Insurance company information -->
  <performer typeCode="PRF">
    <templateId root="2.16.840.1.113883.10.20.22.4.87" />
    <time>
      <low nullFlavor="UNK" />
      <high nullFlavor="UNK" />
    </time>
    <assignedEntity>
      <id root="2.16.840.1.113883.19" />
      <code code="PAYOR" codeSystem="2.16.840.1.113883.5.110" codeSystemName="HL7
RoleCode" />
      <addr use="WP">
        <streetAddressLine>123 Insurance Road</streetAddressLine>
        <city>Blue Bell</city>
        <state>MA</state>
        <postalCode>02368</postalCode>
        <country>US</country>
        <!-- US is "United States" from ISO 3166-1 Country Codes: 1.0.3166.1 -->
      </addr>
      <telecom value="tel:+(555)555-1515" use="WP" />
      <representedOrganization>
        <name>Good Health Insurance</name>
        <telecom value="tel:+(555)555-1515" use="WP" />
        <addr use="WP">
          <streetAddressLine>123 Insurance Road</streetAddressLine>
          <city>Blue Bell</city>
          <state>MA</state>
          <postalCode>02368</postalCode>
          <country>US</country>
        </addr>
      </representedOrganization>
    </assignedEntity>
  </performer>
  <!-- Guarantor information (the person responsible for the final bill) -->
  <performer typeCode="PRF">
    <templateId root="2.16.840.1.113883.10.20.22.4.88" />
    <time>
      <low nullFlavor="UNK" />
      <high nullFlavor="UNK" />
    </time>
    <assignedEntity>
      <id root="329fcd0-7ab3-11db-9fe1-0800200c9a66" />

```

```

        <code code="GUAR" codeSystem="2.16.840.1.113883.5.111" codeSystemName="HL7
RoleCode" />
        <addr use="HP">
            <streetAddressLine>17 Daws Rd.</streetAddressLine>
            <city>Blue Bell</city>
            <state>MA</state>
            <postalCode>02368</postalCode>
            <country>US</country>
        </addr>
        <telecom value="tel:+(781)555-1212" use="HP" />
        <assignedPerson>
            <name>
                <prefix>Mr.</prefix>
                <given>Adam</given>
                <given>Frankie</given>
                <family>Everyman</family>
            </name>
        </assignedPerson>
    </assignedEntity>
</performer>
<!-- Covered party -->
<participant typeCode="COV">
    <templateId root="2.16.840.1.113883.10.20.22.4.89.2" />
    <time>
        <low nullFlavor="UNK" />
        <high nullFlavor="UNK" />
    </time>
    <participantRole classCode="PAT">
        <!-- Health plan ID for patient. -->
        <id root="1.1.1.1.1.1.1.14" extension="1138345" />
        <code code="SELF" codeSystem="2.16.840.1.113883.5.111" />
        <addr use="HP">
            <streetAddressLine>17 Daws Rd.</streetAddressLine>
            <city>Blue Bell</city>
            <state>MA</state>
            <postalCode>02368</postalCode>
            <country>US</country>
        </addr>
        <playingEntity>
            <name>
                <!-- Name is needed if different than name on health plan. -->
                <prefix>Mr.</prefix>
                <given>Frank</given>
                <given>A.</given>
                <family>Everyman</family>
            </name>
        </playingEntity>
    </participantRole>
</participant>
<!-- Policy holder -->
<participant typeCode="HLD">
    <templateId root="2.16.840.1.113883.10.20.22.4.90.2" />
    <participantRole>
        <id extension="1138345" root="2.16.840.1.113883.19" />
        <addr use="HP">
            <streetAddressLine>17 Daws Rd.</streetAddressLine>
            <city>Blue Bell</city>

```

```

        <state>MA</state>
        <postalCode>02368</postalCode>
        <country>US</country>
    </addr>
</participantRole>
</participant>
<entryRelationship typeCode="REFR">
    <act classCode="ACT" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.1.19" />
        . . .
    </act>
</entryRelationship>
</act>

```

3.61 Pregnancy Intention in Next Year

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.281:2023-05-01 (open)]

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Table 275: Pregnancy Intention in Next Year Contexts

Contained By:	Contains:
<a href="#">NHCS Social History Section (V3)</a> (optional)	

This template represents a patient's reported intention or desire in the next year to either become pregnant or prevent a future pregnancy. The effectiveTime.low represents the date the intention was recorded and the effectiveTime.high represents the date a year from the recorded date.

**Table 276: Pregnancy Intention in Next Year Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.281:2023-05-01)					
@classCode	1..1	SHALL		<a href="#">4537-26557</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">4537-26558</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = INT
templateId	1..1	SHALL		<a href="#">4537-26549</a>	
@root	1..1	SHALL		<a href="#">4537-26552</a>	2.16.840.1.113883.10.20.22.4.281
@extension	1..1	SHALL		<a href="#">4537-26553</a>	2023-05-01
id	1..*	SHALL		<a href="#">4537-26981</a>	
code	1..1	SHALL		<a href="#">4537-26550</a>	
@code	1..1	SHALL		<a href="#">4537-26554</a>	86645-9
@codeSystem	1..1	SHALL		<a href="#">4537-26555</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">4537-26551</a>	
@code	1..1	SHALL		<a href="#">4537-26556</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">4537-26560</a>	
low	1..1	SHALL		<a href="#">4537-26821</a>	
high	1..1	SHALL		<a href="#">4537-26822</a>	
value	1..1	SHALL	CD	<a href="#">4537-26559</a>	urn:oid:2.16.840.1.113762.1.4.1166.22 (Pregnancy Intention)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:4537-26557).
2. **SHALL** contain exactly one [1..1] **@moodCode**="INT" Intent (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4537-26558).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4537-26549) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.281" (CONF:4537-26552).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2023-05-01" (CONF:4537-26553).
4. **SHALL** contain at least one [1..\*] **id** (CONF:4537-26981).
5. **SHALL** contain exactly one [1..1] **code** (CONF:4537-26550).

- a. This code **SHALL** contain exactly one [1..1] **@code**="86645-9" Future pregnancy intention Reported (CONF:4537-26554).
- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4537-26555).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4537-26551).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4537-26556).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4537-26560).
  - a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:4537-26821).  
Note: Recorded date
  - b. This effectiveTime **SHALL** contain exactly one [1..1] **high** (CONF:4537-26822).  
Note: Should be 1 year from effectiveTime/low
8. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD", where the code **SHALL** be selected from ValueSet Pregnancy Intention urn:oid:2.16.840.1.113762.1.4.1166.22 **DYNAMIC** (CONF:4537-26559).

**Table 277: Pregnancy Intention**

Value Set: Pregnancy Intention urn:oid:2.16.840.1.113762.1.4.1166.22 (Clinical Focus: A patient's intention or desire in the next year to either become pregnant or prevent a future pregnancy. This includes male patients seeking pregnancy with a female partner. Pregnancy intention may be used to help improve preconception health screenings and decisions, such as determining an appropriate contraceptive method, taking folic acid, or avoiding toxic exposures such as alcohol, tobacco and certain medications. The term was based on, but is not limited in use to, Power to Decide's One Key Question (R), used by the Office of Population Affairs 's (OPA's) Family Planning Annual Report (FPAR).),(Data Element Scope: Values describing patient intentions to become pregnant. Results for LOINC code 86645-9.),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 6/29/2019 with a version of 20190319. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1166.22/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1166.22/expansion</a>			
Code	Code System	Code System OID	Print Name
45438100012 4105	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Not sure of desire to become pregnant (finding)
45439100012 4108	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Ambivalent about becoming pregnant (finding)
45440100012 4105	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	No desire to become pregnant (finding)
45441100012 4108	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Wants to become pregnant (finding)



**Figure 116: Pregnancy Intention in Next Year Example**

```
<observation classCode="OBS" moodCode="INT">
  <!-- [C-CDA PREG] Pregnancy Intention in Next Year -->
  <templateId root="2.16.840.1.113883.10.20.22.4.281" extension="2023-05-01" />
  <id root="b06f4c63-5d18-48d3-9c75-f10bba135525" />
  <code code="86645-9" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
    displayName="Future pregnancy intention Reported"/>
  <statusCode code="completed"/>
  <effectiveTime>
    <low value="20170107"/>
    <!-- High value should be 1 year from low date -->
    <high value="20180107"/>
  </effectiveTime>
  <value xsi:type="CD" code="454401000124105"
    codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED CT"
    displayName="No desire to become pregnant"/>
</observation>
```

### 3.62 Pregnancy Observation

[observation: identifier urn:oid:2.16.840.1.113883.10.20.15.3.8 (open)]

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DSTU R1.1

**Table 278: Pregnancy Observation Contexts**

Contained By:	Contains:
<a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Social History Section (NHCS V4)</a> (optional)	<a href="#">Estimated Date of Delivery</a> (optional)

This clinical statement represents current and/or prior pregnancy dates enabling investigators to determine if the subject of the case report was pregnant during the course of a condition.

**Table 279: Pregnancy Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.15.3.8)					
@classCode	1..1	SHALL		<a href="#">81-451</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">81-452</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">81-16768</a>	
@root	1..1	SHALL		<a href="#">81-16868</a>	2.16.840.1.113883.10.20.15.3.8
code	1..1	SHALL		<a href="#">81-19153</a>	
@code	1..1	SHALL		<a href="#">81-19154</a>	ASSERTION
@codeSystem	1..1	SHALL		<a href="#">81-26505</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
statusCode	1..1	SHALL		<a href="#">81-455</a>	
@code	1..1	SHALL		<a href="#">81-19110</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	0..1	SHOULD		<a href="#">81-2018</a>	
value	1..1	SHALL	CD	<a href="#">81-457</a>	urn:oid:2.16.840.1.113762.1.4.1099.24 (Extended Pregnancy Status)
entryRelationship	0..1	MAY		<a href="#">81-458</a>	
@typeCode	1..1	SHALL		<a href="#">81-459</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">81-15584</a>	<a href="#">Estimated Date of Delivery (identifier: urn:oid:2.16.840.1.113883.10.20.15.3.1)</a>

1. **SHALL** contain exactly one [1..1] **@classCode="OBS"** Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-451).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-452).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-16768) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.15.3.8"** (CONF:81-16868).
4. **SHALL** contain exactly one [1..1] **code** (CONF:81-19153).
  - a. This code **SHALL** contain exactly one [1..1] **@code="ASSERTION"** Assertion (CONF:81-19154).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.5.4"** (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:81-26505).

5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:81-455).
  - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:81-19110).
6. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:81-2018).
7. **SHALL** contain exactly one [1..1] **value** with **@xsi:type="CD"**, where the code **SHALL** be selected from ValueSet Extended Pregnancy Status urn:oid:2.16.840.1.113762.1.4.1099.24 **DYNAMIC** (CONF:81-457).
8. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:81-458) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:81-459).
  - b. **SHALL** contain exactly one [1..1] Estimated Date of Delivery (identifier: urn:oid:2.16.840.1.113883.10.20.15.3.1) (CONF:81-15584).

**Table 280: Extended Pregnancy Status**

Value Set: Extended Pregnancy Status urn:oid:2.16.840.1.113762.1.4.1099.24 (Clinical Focus: Defines the status of pregnancy),(Data Element Scope: Pregnancy status at time of encounter),(Inclusion Criteria: SNOMED CT concepts intended to indicate whether a patient is pregnant, not pregnant or possibly pregnant.),(Exclusion Criteria: None)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.24/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.24/expansion</a>			
Code	Code System	Code System OID	Print Name
146799005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Possible pregnancy (situation)
60001007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Not pregnant (finding)
77386006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Pregnancy (finding)

**Figure 117: Pregnancy Observation Example**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.15.3.8"/>
  <id extension="123456789" root="2.16.840.1.113883.19"/>
  <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
  <statusCode code="completed"/>
  <effectiveTime>
    <low value="20110410"/>
  </effectiveTime>
  <value xsi:type="CD" code="77386006"
    displayName="pregnant"
    codeSystem="2.16.840.1.113883.6.96"/>
  <entryRelationship typeCode="REFR">
    <templateId root="2.16.840.1.113883.10.20.15.3.1"/>
    . . .
  </entryRelationship>
</observation>
```

### 3.63 Problem Concern Act (NHCS V4)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01 (open)]

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**Table 281: Problem Concern Act (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Problem Section (entries required) (NHCS V4)</a> (required) <a href="#">Problem Section (entries optional) (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional) <a href="#">Problem Observation (NHCS V5)</a> (required)

The C-CDA template, Problem Concern Act (V3), has been versioned in this guide to support USCDI-v3.

This template reflects an ongoing concern on behalf of the provider that placed the concern on a patient’s problem list. So long as the underlying condition is of concern to the provider (i.e., as long as the condition, whether active or resolved, is of ongoing concern and interest to the provider), the statusCode is “active”. Only when the underlying condition is no longer of concern is the statusCode set to “completed”. The effectiveTime reflects the time that the underlying condition was felt to be a concern; it may or may not correspond to the effectiveTime of the condition (e.g., even five years later, the clinician may remain concerned about a prior heart attack).

The statusCode of the Problem Concern Act is the definitive indication of the status of the concern, whereas the effectiveTime of the nested Problem Observation is the definitive indication of whether or not the underlying condition is resolved.

The effectiveTime/low of the Problem Concern Act asserts when the concern became active. The effectiveTime/high asserts when the concern was completed (e.g., when the clinician deemed there is no longer any need to track the underlying condition).

A Problem Concern Act can contain many Problem Observations (templateId 2.16.840.1.113883.10.20.22.4.4). Each Problem Observation is a discrete observation of a condition,

and therefore will have a statusCode of “completed”. The many Problem Observations nested under a Problem Concern Act reflect the change in the clinical understanding of a condition over time. For instance, a Concern may initially contain a Problem Observation of “chest pain”:

- Problem Concern 1
  - Problem Observation: Chest Pain
  - Later, a new Problem Observation of “esophagitis” will be added, reflecting a better understanding of the nature of the chest pain. The later problem observation will have a more recent author time stamp.
- Problem Concern 1
  - Problem Observation (author/time Jan 3, 2012): Chest Pain
  - Problem Observation (author/time Jan 6, 2012): Esophagitis
  - Many systems display the nested Problem Observation with the most recent author time stamp, and provide a mechanism for viewing prior observations.

**Table 282: Problem Concern Act (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-33066</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">5564-33067</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-33050</a>	
@root	1..1	SHALL		<a href="#">5564-33058</a>	2.16.840.1.113883.10.20.22.4.3
@extension	1..1	SHALL		<a href="#">5564-33059</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-33068</a>	
code	1..1	SHALL		<a href="#">5564-33051</a>	
@code	1..1	SHALL		<a href="#">5564-33060</a>	CONC
@codeSystem	1..1	SHALL		<a href="#">5564-33061</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = 2.16.840.1.113883.5.6
statusCode	1..1	SHALL		<a href="#">5564-33052</a>	
@code	1..1	SHALL		<a href="#">5564-33062</a>	urn:oid:2.16.840.1.113883.11.20.9.19 (ProblemAct statusCode)
effectiveTime	1..1	SHALL		<a href="#">5564-33053</a>	
low	1..1	SHALL		<a href="#">5564-33063</a>	
high	0..1	MAY		<a href="#">5564-33064</a>	
author	0..*	SHOULD		<a href="#">5564-33056</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	1..*	SHALL		<a href="#">5564-33048</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33057</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
observation	1..1	SHALL		<a href="#">5564-33049</a>	<a href="#">Problem Observation (NHCS V5) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">33054</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33065</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-33055</a>	Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143

1. **SHALL** contain exactly one [1..1] **@classCode="ACT"** Act (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-33066).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-33067).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33050) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.3"** (CONF:5564-33058).
  - b. **SHALL** contain exactly one [1..1] **@extension="2025-08-01"** (CONF:5564-33059).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-33068).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-33051).
  - a. This code **SHALL** contain exactly one [1..1] **@code="CONC"** Concern (CONF:5564-33060).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.5.6"** (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-33061).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-33052).

The statusCode of the Problem Concern Act is the definitive indication of the status of the concern, whereas the effectiveTime of the nested Problem Observation is the definitive indication of whether or not the underlying condition is resolved.

- a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [ProblemAct statusCode](#) urn:oid:2.16.840.1.113883.11.20.9.19 **STATIC** (CONF:5564-33062).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-33053).
  - a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:5564-33063).  
Note: The effectiveTime/low of the Problem Concern Act asserts when the concern became active.
  - b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:5564-33064).  
Note: The effectiveTime/high asserts when the concern was completed (e.g., when the clinician deemed there is no longer any need to track the underlying condition).
8. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-33056).
9. **SHALL** contain at least one [1..\*] **entryRelationship** (CONF:5564-33048) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33057).

- b. **SHALL** contain exactly one [1..1] [Problem Observation \(NHCS V5\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01) (CONF:5564-33049).

The following entryRelationship represents the importance of the concern to a provider.

- 10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33054) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="REFR"** refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33065).
  - b. **SHALL** contain exactly one [1..1] **Priority Preference** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:5564-33055).



**Figure 118: Problem Concern Act (NHCS V4) Example**

```
<act classCode="ACT" moodCode="EVN">
  <!-- [Updated C-CDA R2.1] Problem Concern Act (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.3"
    extension="2025-08-01" />
  <id root="ec8a6ff8-ed4b-4f7e-82c3-e98e58b45de7" />
  <code code="CONC" codeSystem="2.16.840.1.113883.5.6" displayName="Concern" />
  <!-- The statusCode represents the need to continue tracking the problem -->
  <!-- This is of ongoing concern to the provider -->
  <statusCode code="active" />
  <effectiveTime>
    <!-- The low value represents when the problem was first recorded in the patient's
chart -->
    <!-- Concern was documented on July 6, 2013 -->
    <low value="201307061145-0800" />
  </effectiveTime>
  <author typeCode="AUT">
    <!-- [C-CDA R2] Author Participation -->
    <templateId root="2.16.840.1.113883.10.20.22.4.119" />
    <!-- Same as Concern effectiveTime/low -->
    <time value="201307061145-0800" />
    <assignedAuthor>
      <id extension="555555555" root="2.16.840.1.113883.4.6" />
      <code code="207QA0505X" displayName="Adult Medicine"
codeSystem="2.16.840.1.113883.6.101"
      codeSystemName="Healthcare Provider Taxonomy (HIPAA)" />
    </assignedAuthor>
  </author>
  <entryRelationship typeCode="SUBJ">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
      <id root="ab1791b0-5c71-11db-b0de-0800200c9a66" />
      <code code="75323-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Condition" />
      <!-- The statusCode reflects the status of the observation itself -->
      <statusCode code="completed" />
      <effectiveTime>
        <!-- The low value reflects the date of onset -->
        <!-- Based on patient symptoms, presumed onset is July 3, 2013 -->
        <low value="20130703" />
        <!-- The high value reflects when the problem was known to be resolved -->
        <!-- Based on signs and symptoms, appears to be resolved on Aug 14, 2013 --
>
        <high value="20080814" />
      </effectiveTime>
      <value xsi:type="CD"
        code="233604007"
        codeSystem="2.16.840.1.113883.6.96"
        displayName="Pneumonia" />
      <author typeCode="AUT">
        <!-- [C-CDA R2] Author Participation -->
        <templateId root="2.16.840.1.113883.10.20.22.4.119" />
        <time value="200808141030-0800" />
        <assignedAuthor>
          <id extension="555555555" root="2.16.840.1.113883.4.6" />
```

```

        <code code="207QA0505X" displayName="Adult Medicine"
            codeSystem="2.16.840.1.113883.6.101"
            codeSystemName="Healthcare Provider Taxonomy (HIPAA)" />
    </assignedAuthor>
</author>
</observation>
</entryRelationship>
</act>

```

### 3.64 Problem Observation (NHCS V5)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01 (open)]

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**Table 283: Problem Observation (NHCS V5) Contexts**

Contained By:	Contains:
<a href="#">Problem Concern Act (NHCS V4)</a> (required)	<a href="#">Author Participation</a> (optional)
<a href="#">Encounter Diagnosis (NHCS V4)</a> (required)	<a href="#">Problem Status</a> (optional)
<a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Date of Diagnosis Act</a> (optional)
<a href="#">Hospital Admission Diagnosis (NHCS V4)</a> (required)	<a href="#">Assessment Scale Observation (NHCS V3)</a> (optional)

The C-CDA template, Problem Observation (V4), has been versioned in this guide to support USCDI-v3.

This template reflects a discrete observation about a patient's problem. Because it is a discrete observation, it will have a statusCode of "completed". The effectiveTime, also referred to as the “clinically relevant time” is the time at which the observation holds for the patient. For a provider seeing a patient in the clinic today, observing a history of heart attack that occurred five years ago, the effectiveTime is five years ago.

The effectiveTime of the Problem Observation is the definitive indication of whether or not the underlying condition is resolved. If the problem is known to be resolved, then an effectiveTime/high would be present. If the date of resolution is not known, then effectiveTime/high will be present with a nullFlavor of "UNK".

**Table 284: Problem Observation (NHCS V5) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-9041</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-9042</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
@negationInd	0..1	MAY		<a href="#">5564-10139</a>	
templateId	1..1	SHALL		<a href="#">5564-14926</a>	
@root	1..1	SHALL		<a href="#">5564-14927</a>	2.16.840.1.113883.10.20.22.4.4
@extension	1..1	SHALL		<a href="#">5564-32508</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-9043</a>	
code	1..1	SHALL		<a href="#">5564-9045</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.7.2 (Problem Type (SNOMEDCT))
statusCode	1..1	SHALL		<a href="#">5564-9049</a>	
@code	1..1	SHALL		<a href="#">5564-19112</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">5564-9050</a>	
low	1..1	SHALL		<a href="#">5564-15603</a>	
high	0..1	MAY		<a href="#">5564-15604</a>	
value	1..1	SHALL	CD	<a href="#">5564-9058</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.7.4 (Problem)
@code	0..1	MAY		<a href="#">5564-31871</a>	
qualifier	0..*	MAY		<a href="#">5564-31870</a>	
translation	0..*	MAY		<a href="#">5564-16749</a>	
@code	0..1	MAY		<a href="#">5564-16750</a>	urn:oid:2.16.840.1.113883.6.90 (ICD-10-CM)
author	0..*	SHOULD		<a href="#">5564-31147</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..1	MAY		<a href="#">5564-9059</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
@typeCode	1..1	SHALL		<a href="#">5564-9060</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-9069</a>	true
observation	1..1	SHALL		<a href="#">5564-15590</a>	Age Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.31)
entryRelationship	0..1	MAY		<a href="#">5564-29951</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31531</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-29952</a>	Prognosis Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.113)
entryRelationship	0..*	MAY		<a href="#">5564-31063</a>	
@typeCode	1..1	SHALL		<a href="#">5564-31532</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-31064</a>	Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143)
entryRelationship	0..1	MAY		<a href="#">5564-9063</a>	
@typeCode	1..1	SHALL		<a href="#">5564-9068</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-15591</a>	<a href="#">Problem Status (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20)</a>
entryRelationship	0..*	MAY		<a href="#">5564-32965</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32968</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SPRT
act	1..1	SHALL		<a href="#">5564-32966</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)
entryRelationship	0..*	MAY		<a href="#">5564-32953</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32955</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SPRT
observation	1..1	SHALL		<a href="#">5564-</a>	<a href="#">Assessment Scale Observation</a>

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">32954</a>	<a href="#">(NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-33012</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33014</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
act	1..1	SHALL		<a href="#">5564-33013</a>	<a href="#">Date of Diagnosis Act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-9041).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-9042).

The negationInd is used to indicate the absence of the condition in observation/value. A negationInd of "true" coupled with an observation/value of SNOMED code 64572001 "Disease (disorder)" indicates that the patient has no known conditions.

3. **MAY** contain zero or one [0..1] **@negationInd** (CONF:5564-10139).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-14926) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.4" (CONF:5564-14927).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32508).
5. **SHALL** contain at least one [1..\*] **id** (CONF:5564-9043).
6. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [Problem Type \(SNOMEDCT\)](#) urn:oid:2.16.840.1.113883.3.88.12.3221.7.2 **DYNAMIC** (CONF:5564-9045).
  - a. If code is selected from ValueSet Problem Type (SNOMEDCT) urn:oid:2.16.840.1.113883.3.88.12.3221.7.2 **DYNAMIC**, then it **SHALL** have at least one [1..\*] translation, which **SHOULD** be selected from ValueSet Problem Type (LOINC) urn:oid:2.16.840.1.113762.1.4.1099.28 **DYNAMIC** (CONF:1198-32950) (CONF:5564-32950).
7. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-9049).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:5564-19112).

If the problem is known to be resolved, but the date of resolution is not known, then the high element **SHALL** be present, and the nullFlavor attribute **SHALL** be set to 'UNK'. Therefore, the existence of a high element within a problem does indicate that the problem has been resolved.

8. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-9050).

The effectiveTime/low (a.k.a. "onset date") asserts when the condition became clinically active.

- a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:5564-15603).

The effectiveTime/high (a.k.a. "resolution date") asserts when the condition became clinically resolved.

- b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:5564-15604).
  - c. When an observation/value code concept name has a temporal aspect, ensure that observation/effectiveTime/value aligns with the temporal aspect of the code. Most often, a single time is appropriate, rather than low and high values. An example SNOMED CT code is 714093000 | Sexually active in last six months (finding) (CONF:5564-32964).
9. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD", where the code **SHOULD** be selected from ValueSet [Problem](#) urn:oid:2.16.840.1.113883.3.88.12.3221.7.4 **DYNAMIC** (CONF:5564-9058).

A negationInd of "true" coupled with an observation/value/@code of SNOMED code 64572001 "Disease (disorder)" indicates that the patient has no known conditions.

- a. This value **MAY** contain zero or one [0..1] **@code** (CONF:5564-31871).
  - i. When the Problem is Social Determinant of Health Observation, the observation/value **SHOULD** be a SNOMED code selected from ValueSet [Social Determinant of Health Conditions](#) [2.16.840.1.113762.1.4.1196.788](#) **DYNAMIC** (CONF:5564-32951).

The observation/value and all the qualifiers together (often referred to as a post-coordinated expression) make up one concept. Qualifiers constrain, or provide greater specificity to, the meaning of the primary code, and cannot negate it or change its meaning. Qualifiers can only be used according to well-defined rules of post-coordination and only if the underlying code system defines the use of such qualifiers or if there is a third code system that specifies how other code systems may be combined.

For example, in cases where SNOMED CT does not have a precoordinated code that would be appropriate for the problem list, concept post coordination may be used in CDA following the principles outlined in [HL7 Version 3 Implementation Guide: TermInfo - Using SNOMED CT in CDA R2 Models, Release 1

| [https://www.hl7.org/documentcenter/public/standards/dstu/V3\\_IG\\_SNOMED\\_R1\\_DSTU\\_2015DEC.pdf](https://www.hl7.org/documentcenter/public/standards/dstu/V3_IG_SNOMED_R1_DSTU_2015DEC.pdf)] using the V3 CD Data type 1 style. This is shown in the Problem Observation Post-coordinated Problem Example. This example represents a family history condition that was also elevated to the problem list to avoid missing pertinent data that may or may not be present in the Family History Section.

- b. This value **MAY** contain zero or more [0..\*] **qualifier** (CONF:5564-31870).
- c. This value **MAY** contain zero or more [0..\*] **translation** (CONF:5564-16749) such that it
  - i. **MAY** contain zero or one [0..1] **@code** (CodeSystem: ICD-10-CM urn:oid:2.16.840.1.113883.6.90 **STATIC**) (CONF:5564-16750).
    - 1. When the Problem is Social Determinant of Health Observation, the observation/value/translation **SHOULD** be an ICD10 code selected from ValueSet Social Determinant of Health Conditions 2.16.840.1.113762.1.4.1196.788 **DYNAMIC** (CONF:5564-32952).

10. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-31147).
11. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-9059) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" Has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-9060).
  - b. **SHALL** contain exactly one [1..1] @inversionInd="true" True (CONF:5564-9069).
  - c. **SHALL** contain exactly one [1..1] Age Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.31) (CONF:5564-15590).
12. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-29951) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31531).
  - b. **SHALL** contain exactly one [1..1] Prognosis Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.113) (CONF:5564-29952).
13. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-31063) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-31532).
  - b. **SHALL** contain exactly one [1..1] Priority Preference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.143) (CONF:5564-31064).
14. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-9063) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-9068).
  - b. **SHALL** contain exactly one [1..1] [Problem Status](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20) (CONF:5564-15591).

When an Entry Reference template is contained in a Problem Template instance that is a Social Determinant of Health problem, that Entry Reference **MAY** reference an Assessment Scale Observation elsewhere in the document. That Assessment Scale **MAY** contain assessment scale observations that represent LOINC question and answer pairs from SDOH screening instruments.

15. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32965) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="SPRT" Has support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32968).
  - b. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:5564-32966).

When an Assessment Scale Observation is contained in a Problem Template instance that is a Social Determinant of Health problem, that Assessment scale **MAY** contain assessment scale observations that represent LOINC question and answer pairs from SDOH screening instruments.

16. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32953) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="SPRT" Has support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32955).
  - b. **SHALL** contain exactly one [1..1] [Assessment Scale Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01) (CONF:5564-32954).
17. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33012) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="COMP" has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33014).
  - b. **SHALL** contain exactly one [1..1] [Date of Diagnosis Act](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01) (CONF:5564-33013).

**Figure 119: Problem Observation (NHCS V5) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
  <id root="ab1791b0-5c71-11db-b0de-0800200c9a66" />
  <code code="64572001" displayName="Condition"
    codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT">
    <translation code="75323-6" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Condition"/>
  </code>
  <!-- The statusCode reflects the status of the observation itself -->
  <statusCode code="completed" />
  <effectiveTime>
    <!-- The low value reflects the date of onset -->
    <!-- Based on patient symptoms, presumed onset is July 3, 2013 -->
    <low value="20130703" />
    <!-- The high value reflects when the problem was known to be resolved -->
    <!-- Based on signs and symptoms, appears to be resolved on Aug 14, 2013 -->
    <high value="20080814" />
  </effectiveTime>
  <value xsi:type="CD" code="233604007" codeSystem="2.16.840.1.113883.6.96"
    displayName="Pneumonia" />
  <author typeCode="AUT">
    <!-- [C-CDA R2] Author Participation -->
    <templateId root="2.16.840.1.113883.10.20.22.4.119" />
    <time value="200808141030-0800" />
    <assignedAuthor>
      <id extension="555555555" root="2.16.840.1.113883.4.6" />
      <code code="207QA0505X" displayName="Adult Medicine"
        codeSystem="2.16.840.1.113883.6.101"
        codeSystemName="Healthcare Provider Taxonomy (HIPAA)" />
    </assignedAuthor>
  </author>
</observation>
```



**Figure 120: Social Determinant of Health Problem Observation (NHCS V5) Example**

```
<!-- SDOH Problem -->
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
  <id extension="68993"
    root="1.2.840.114350.1.13.6289.1.7.2.768076"/>
  <id root="093A5380-00CE-11E6-B4C5-0050568B000B" extension="1.1"/>
  <code code="55607006" codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED CT" displayName="Problem">
    <originalText>
      <reference value="#ProblemObs_1_PT1"/>
    </originalText>
    <translation code="75326-9"
      codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC" displayName="Problem"/>
  </code>
  <text>
    <reference value="#ProblemObs1"/>
  </text>
  <statusCode code="completed"/>
  <effectiveTime>
    <low value="20140909"/>
  </effectiveTime>
  <value xsi:type="CD" code="445281000124101"
    displayName="Nutrition impaired due to limited access to healthful foods (finding)"
    codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT">
    <translation code="Z59.48"
      codeSystem="2.16.840.1.113883.6.90"
      codeSystemName="ICD-10-CM"
      displayName="Other specified lack of adequate food"/>
  </value>
</observation>
```

**Figure 121: Problem Observation (NHCS V5) Post-Coordinated Problem Example**

```
<!-- Name/value pair problem example -->
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
  <id root="093A5380-00CE-11E6-B4C5-0050568B000B" extension="1.1"/>
  <code code="55607006" codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED CT" displayName="Problem">
    <originalText>
      <reference value="#ProblemConcern_1_PT1"/>
    </originalText>
    <translation code="75326-9" codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC" displayName="Problem"/>
  </code>
  <text>
    <reference value="#ProblemConcern_1"/>
  </text>
  <statusCode code="completed"/>
  <effectiveTime>
    <low value="20140909"/>
  </effectiveTime>
  <!-- Example of a problem from problem list,
    that is not present in SNOMED CT as a precoordinated concept -->
  <value xsi:type="CD" code="281666001"
    codeSystem="2.16.840.1.113883.6.96"
    displayName="Family history of disorder">
    <qualifier>
      <name code="246090004"
        displayName="Associated finding"/>
      <value code="254167000"
        displayName="Bullous ichthyosiform erythroderma"/>
    </qualifier>
  </value>
  <author>
    ...
  </author>
</observation>
```

3.64.1 Patient's Reason for Visit Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.3.41:2025-08-01  
(open)]

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**Table 285: Patient's Reason for Visit Observation (V2) Contexts**

Contained By:	Contains:
<a href="#">Chief Complaint and Reason for Visit Section with NullFlavor (V5)</a> (optional)	

This template represents the patient's reason for the visit.

**Table 286: Patient's Reason for Visit Observation (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.41:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-1083</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-1084</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-1073</a>	
@root	1..1	SHALL		<a href="#">5564-1078</a>	2.16.840.1.113883.10.20.34.3.41
@extension	1..1	SHALL		<a href="#">5564-1079</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-1074</a>	
@code	1..1	SHALL		<a href="#">5564-1080</a>	75322-8
@codeSystem	1..1	SHALL		<a href="#">5564-1081</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1

1. Conforms to [Problem Observation \(NHCS V5\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01).
2. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-1083).
3. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-1084).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-1073) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.3.41" (CONF:5564-1078).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-1079).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-1074).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="75322-8" Complaint (CONF:5564-1080).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-1081).

**Figure 122: Patient's Reason for Visit Observation (V2) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
  <!-- [NHCS STU 4] Patient's Reason for Visit (V2) -->
  <templateId root="2.16.840.1.113883.10.20.34.3.41" extension="2025-08-01" />
  <id root="e88883d7-39b7-4550-b2b4-e34a4bddd78e" />
  <code code="75322-8"
    displayName="Complaint"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC" />
  <statusCode code="completed" />
  <effectiveTime>
    <low value="20130703" />
  </effectiveTime>
  <value xsi:type="CD"
    code="267036007"
    codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED CT"
    displayName="Shortness of breath" />
</observation>
```

### 3.64.2 Primary Diagnosis Observation (V5)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 287: Primary Diagnosis Observation (V5) Contexts**

Contained By:	Contains:
<a href="#">Current Inpatient Visit (V4)</a> (optional) <a href="#">Current Emergency Department Visit (V5)</a> (optional) <a href="#">Current Outpatient Visit (V6)</a> (optional)	

This template represents the primary diagnosis as reported by the provider. Primary diagnosis is an important organizing or grouping variable for patient encounters across inpatient, outpatient, and emergency settings and is used to record the encounter diagnosis of central focus and/or most important diagnosis among a set of encounter related diagnoses.

In the inpatient scenario of a patient admitted to the hospital for a hernia repair who suffers a myocardial infarction identified during the hospitalization, primary diagnosis is myocardial infarction. In the ambulatory scenario of a patient being seen by the primary care physician for cold symptoms, and a diagnosis of new onset high blood pressure is made, the primary diagnosis is new onset high blood pressure.

In the emergency setting of a patient being seen for a minor laceration and has a seizure, the primary diagnosis is seizure.

This template should be used within the context of an Encounter Diagnosis in place of the Problem Observation.

**Table 288: Primary Diagnosis Observation (V5) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-339</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-340</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-341</a>	
@root	1..1	SHALL		<a href="#">5564-342</a>	2.16.840.1.113883.10.20.34.3.6
@extension	1..1	SHALL		<a href="#">5564-1187</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-518</a>	
@code	1..1	SHALL		<a href="#">5564-519</a>	18630-4
@codeSystem	1..1	SHALL		<a href="#">5564-520</a>	2.16.840.1.113883.6.1

1. Conforms to [Problem Observation \(NHCS V5\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01).
2. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-339).
3. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-340).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-341) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.3.6" (CONF:5564-342).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-1187).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-518).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="18630-4" Primary Diagnosis (CONF:5564-519).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CONF:5564-520).

**Figure 123: Primary Diagnosis Observation (V5) Example**

```
<observation classCode="OBS" moodCode="EVN">
<!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
<templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
  <!-- [NHCS STU 4] Primary Diagnosis Observation (V5) -->
  <templateId root="2.16.840.1.113883.10.20.34.3.6" extension="2025-08-01" />
  <id root="7d49bb4a-4764-4126-82dd-dcfe7901f701" />
  <code code="18630-4"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"
    displayName="Primary Diagnosis" />
  <!-- The statusCode reflects the status of the observation itself -->
  <statusCode code="completed" />
  <effectiveTime>
    <!-- The low value reflects the date of onset -->
    <low value="20180703" />
  </effectiveTime>
  <value xsi:type="CD" code="55822004"
    codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED CT"
    displayName="Hyperlipidemia" />
</observation>
```

### 3.64.3 Principal Diagnosis (V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 289: Principal Diagnosis (V3) Contexts**

Contained By:	Contains:
<a href="#">Current Inpatient Visit (V4)</a> (optional) <a href="#">Current Emergency Department Visit (V5)</a> (optional) <a href="#">Current Outpatient Visit (V6)</a> (optional)	

The principal diagnosis is the "condition established after study to be chiefly responsible for occasioning the admission of the patient ..." (Source: ICD-10-CM Official Guidelines for Coding and Reporting, FY2019, pp. 107). All institutional claims require a principal diagnosis whether they are inpatient or outpatient facilities.

In the inpatient scenario where a patient is admitted to the hospital for a hernia repair who suffers a myocardial infarction identified during the hospitalization, the principal diagnosis is the problem underlying the need for the hernia repair, not the myocardial infarction.

Principal diagnosis is applicable in any care setting where there is a facility claim associated with the provided services, including: inpatient, ambulatory, and emergency settings.

This template should be used within the context of an Encounter Diagnosis in place of the Problem Observation.

**Table 290: Principal Diagnosis (V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-29004</a>	OBS
@moodCode	1..1	SHALL		<a href="#">5564-29005</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = EVN
@negationInd	0..0	SHALL NOT		<a href="#">5564-29006</a>	
templateId	1..1	SHALL		<a href="#">5564-28998</a>	
@root	1..1	SHALL		<a href="#">5564-29001</a>	2.16.840.1.113883.10.20.24.3.152
@extension	1..1	SHALL		<a href="#">5564-29002</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-28997</a>	
@code	1..1	SHALL		<a href="#">5564-28999</a>	8319008
@codeSystem	1..1	SHALL		<a href="#">5564-29000</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96
value	1..1	SHALL	CD	<a href="#">5564-29003</a>	

1. Conforms to [Problem Observation \(NHCS V5\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01).
2. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CONF:5564-29004).
3. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-29005).
4. **SHALL NOT** contain [0..0] **@negationInd** (CONF:5564-29006).
5. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-28998) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.24.3.152" (CONF:5564-29001).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-29002).
6. **SHALL** contain exactly one [1..1] **code** (CONF:5564-28997).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="8319008" Principal Diagnosis (CONF:5564-28999).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:5564-29000).
7. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD" (CONF:5564-29003).

**Figure 124: Principal Diagnosis (V3) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA R2.1] Problem Observation (NHCS V5) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2025-08-01"/>
  <!-- [NHCS STU 4] Principal Diagnosis (V3) -->
  <templateId root="2.16.840.1.113883.10.20.24.3.152" extension="2025-08-01"/>
  <id root="92587992-6147-467e-8ce7-b080ef569df4"/>
  <code code="8319008" codeSystem="2.16.840.1.113883.6.96"
    displayName="Principal Diagnosis" codeSystemName="SNOMED"/>
  <statusCode code="completed" />
  <effectiveTime>
    <!-- The low value reflects the date of onset -->
    <low value="20180703" />
  </effectiveTime>
  <value xsi:type="CD" code="194809007" codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED CT"
    displayName="Acute atrial infarction (disorder)"/>
</observation>
```

### 3.65 Problem Status

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20  
(open)]

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DSTU R2.1

**Table 291: Problem Status Contexts**

Contained By:	Contains:
<a href="#">Problem Observation (NHCS V5)</a> (optional)	

The Problem Status records the clinical status attributed to the problem.



**Table 292: Problem Status Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20)					
@classCode	1..1	SHALL		<a href="#">1198-7357</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1198-7358</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1198-7359</a>	
@root	1..1	SHALL		<a href="#">1198-10518</a>	2.16.840.1.113883.10.20.22.4.6
@extension	1..1	SHALL		<a href="#">1198-32961</a>	2019-06-20
code	1..1	SHALL		<a href="#">1198-19162</a>	
@code	1..1	SHALL		<a href="#">1198-19163</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 33999-4
statusCode	1..1	SHALL		<a href="#">1198-7364</a>	
@code	1..1	SHALL		<a href="#">1198-19113</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	CD	<a href="#">1198-7365</a>	urn:oid:2.16.840.1.113883.3.88.12.80.68 (Problem Status)

1. **SHALL** contain exactly one [1..1] **@classCode="OBS"** Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-7357).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-7358).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-7359) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.6"** (CONF:1198-10518).
  - b. **SHALL** contain exactly one [1..1] **@extension="2019-06-20"** (CONF:1198-32961).
4. **SHALL** contain exactly one [1..1] **code** (CONF:1198-19162).
  - a. This code **SHALL** contain exactly one [1..1] **@code="33999-4"** Status (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 **STATIC**) (CONF:1198-19163).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-7364).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1198-19113).
6. **SHALL** contain exactly one [1..1] **value** with **@xsi:type="CD"**, where the code **SHALL** be selected from ValueSet [Problem Status](#) urn:oid:2.16.840.1.113883.3.88.12.80.68 **DYNAMIC** (CONF:1198-7365).

**Table 293: Problem Status**

Value Set: Problem Status urn:oid:2.16.840.1.113883.3.88.12.80.68 (Clinical Focus: The clinical status of a problem),(Data Element Scope: Status value),(Inclusion Criteria: Selected qualifier values that represent the clinical status of a problem),(Exclusion Criteria: none specific)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.68/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.68/expansion</a>			
Code	Code System	Code System OID	Print Name
246455001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Recurrence (qualifier value)
263855007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Relapse phase (qualifier value)
277022003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Remission phase (qualifier value)
413322009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Problem resolved (finding)
55561003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Active (qualifier value)
73425007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Inactive (qualifier value)

### 3.66 Procedure Activity Act (NHCS V3)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01 (open)]

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**Table 294: Procedure Activity Act (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Procedures Section (entries required) (NHCS V3)</a> (optional) <a href="#">Procedures Section (entries optional) (NHCS V3)</a> (optional)	<a href="#">Indication (V2)</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Medication Activity (NHCS V3)</a> (optional)

The C-CDA template, Procedure Activity Act (V2), has been versioned in this guide to support USCDI-v3.

This template represents any act that cannot be classified as an observation or procedure according to the HL7 RIM. Examples of these acts are a dressing change, teaching or feeding a patient, or providing comfort measures.

The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM). Procedure templates can be represented with various RIM classes: act (e.g., dressing change), observation (e.g., EEG), procedure (e.g., splenectomy).

**Table 295: Procedure Activity Act (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-8289</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">5564-8290</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-8291</a>	
@root	1..1	SHALL		<a href="#">5564-10519</a>	2.16.840.1.113883.10.20.22.4.12
@extension	1..1	SHALL		<a href="#">5564-32505</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-8292</a>	
code	1..1	SHALL		<a href="#">5564-8293</a>	
originalText	0..1	SHOULD		<a href="#">5564-19186</a>	
reference	0..1	MAY		<a href="#">5564-19187</a>	
@value	0..1	MAY		<a href="#">5564-19188</a>	
statusCode	1..1	SHALL		<a href="#">5564-8298</a>	
@code	1..1	SHALL		<a href="#">5564-32364</a>	urn:oid:2.16.840.1.113883.11.20.9.22 (ProcedureAct statusCode)
effectiveTime	1..1	SHALL		<a href="#">5564-8299</a>	
priorityCode	0..1	MAY		<a href="#">5564-8300</a>	urn:oid:2.16.840.1.113883.1.11.16866 (ActPriority)
performer	0..*	SHOULD		<a href="#">5564-8301</a>	
assignedEntity	1..1	SHALL		<a href="#">5564-8302</a>	
id	1..*	SHALL		<a href="#">5564-8303</a>	
addr	1..*	SHALL		<a href="#">5564-8304</a>	
telecom	1..*	SHALL		<a href="#">5564-8305</a>	
representedOrganization	0..1	SHOULD		<a href="#">5564-8306</a>	
id	0..*	SHOULD		<a href="#">5564-8307</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
name	0..*	MAY		<a href="#">5564-8308</a>	
telecom	1..*	SHALL		<a href="#">5564-8310</a>	
addr	1..*	SHALL		<a href="#">5564-8309</a>	
author	0..*	SHOULD		<a href="#">5564-32477</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	0..*	MAY		<a href="#">5564-8311</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8312</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = LOC
participantRole	1..1	SHALL		<a href="#">5564-15599</a>	Service Delivery Location (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.32)
entryRelationship	0..*	MAY		<a href="#">5564-8314</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8315</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
@inversionInd	1..1	SHALL		<a href="#">5564-8316</a>	true
encounter	1..1	SHALL		<a href="#">5564-8317</a>	
@classCode	1..1	SHALL		<a href="#">5564-8318</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ENC
@moodCode	1..1	SHALL		<a href="#">5564-8319</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
id	1..1	SHALL		<a href="#">5564-8320</a>	
entryRelationship	0..1	MAY		<a href="#">5564-8322</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8323</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-8324</a>	true
act	1..1	SHALL		<a href="#">5564-31396</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-8326</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
@typeCode	1..1	SHALL		<a href="#">5564-8327</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">5564-15601</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-8329</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8330</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
substanceAdministration	1..1	SHALL		<a href="#">5564-15602</a>	<a href="#">Medication Activity (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="ACT" Act (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-8289).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-8290).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-8291) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.12" (CONF:5564-10519).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32505).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-8292).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-8293).
  - a. This code **SHOULD** contain zero or one [0..1] **originalText** (CONF:5564-19186).
    - i. The originalText, if present, **MAY** contain zero or one [0..1] **reference** (CONF:5564-19187).
      1. The reference, if present, **MAY** contain zero or one [0..1] **@value** (CONF:5564-19188).
        - a. This reference/**@value** **SHALL** begin with a '#' and **SHALL** point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:5564-19189).
    - b. This **@code** **SHOULD** be selected from LOINC (CodeSystem: 2.16.840.1.113883.6.1) or SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96), and **MAY** be selected from CPT (CodeSystem: 2.16.840.1.113883.6.12) or ICD-10-PCS (CodeSystem: 2.16.840.1.113883.6.4) or CDT-2 (Code System: 2.16.840.1.113883.6.13) (CONF:5564-19190).
  6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-8298).
    - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [ProcedureAct statusCode](#) urn:oid:2.16.840.1.113883.11.20.9.22 **STATIC** 2014-04-23 (CONF:5564-32364).

7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-8299).
8. **MAY** contain zero or one [0..1] **priorityCode**, which **SHALL** be selected from ValueSet **ActPriority** urn:oid:2.16.840.1.113883.1.11.16866 **DYNAMIC** (CONF:5564-8300).
9. **SHOULD** contain zero or more [0..\*] **performer** (CONF:5564-8301).
  - a. The performer, if present, **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:5564-8302).
    - i. This assignedEntity **SHALL** contain at least one [1..\*] **id** (CONF:5564-8303).
    - ii. This assignedEntity **SHALL** contain at least one [1..\*] **addr** (CONF:5564-8304).
    - iii. This assignedEntity **SHALL** contain at least one [1..\*] **telecom** (CONF:5564-8305).
    - iv. This assignedEntity **SHOULD** contain zero or one [0..1] **representedOrganization** (CONF:5564-8306).
      1. The representedOrganization, if present, **SHOULD** contain zero or more [0..\*] **id** (CONF:5564-8307).
      2. The representedOrganization, if present, **MAY** contain zero or more [0..\*] **name** (CONF:5564-8308).
      3. The representedOrganization, if present, **SHALL** contain at least one [1..\*] **telecom** (CONF:5564-8310).
      4. The representedOrganization, if present, **SHALL** contain at least one [1..\*] **addr** (CONF:5564-8309).
10. **SHOULD** contain zero or more [0..\*] **Author Participation** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-32477).
11. **MAY** contain zero or more [0..\*] **participant** (CONF:5564-8311) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="LOC"** Location (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:5564-8312).
  - b. **SHALL** contain exactly one [1..1] Service Delivery Location (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.32) (CONF:5564-15599).
12. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-8314) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8315).
  - b. **SHALL** contain exactly one [1..1] **@inversionInd="true"** true (CONF:5564-8316).
  - c. **SHALL** contain exactly one [1..1] **encounter** (CONF:5564-8317).
    - i. This encounter **SHALL** contain exactly one [1..1] **@classCode="ENC"** Encounter (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-8318).
    - ii. This encounter **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-8319).
    - iii. This encounter **SHALL** contain exactly one [1..1] **id** (CONF:5564-8320).
      1. Set the encounter ID to the ID of an encounter in another section to signify they are the same encounter (CONF:5564-16849).
13. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-8322) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8323).
  - b. **SHALL** contain exactly one [1..1] @inversionInd="true" true (CONF:5564-8324).
  - c. **SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:5564-31396).
14. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-8326) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="RSON" Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8327).
  - b. **SHALL** contain exactly one [1..1] [Indication \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:5564-15601).
15. **MAY** contain zero or more [0..\*] entryRelationship (CONF:5564-8329) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8330).
  - b. **SHALL** contain exactly one [1..1] [Medication Activity \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01) (CONF:5564-15602).

**Table 296: ProcedureAct statusCode**

Value Set: ProcedureAct statusCode urn:oid:2.16.840.1.113883.11.20.9.22 (Clinical Focus: Status of a procedure activity),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )			
This value set was imported on 10/24/2024 with a version of Latest.			
Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.22/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.22/expansion</a>			
Code	Code System	Code System OID	Print Name
aborted	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	aborted
active	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	active
cancelled	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	cancelled
completed	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	completed

**Figure 125: Procedure Activity Act (NHCS V3) Example**

```
<act classCode="ACT" moodCode="EVN">
  <!-- [Updated C-CDA R2] Procedure Activity Act (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.12" extension="2025-08-01"/>
  <id root="1.2.3.4.5.6.7.8" extension="1234567" />
  <code code="274025005" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT"
  displayName="Colonic polypectomy">
    <originalText>
      <reference value="#Proc1" />
    </originalText>
  </code>
  <statusCode code="completed" />
  <effectiveTime value="20110203" />
  <priorityCode code="CR" codeSystem="2.16.840.1.113883.5.7" codeSystemName="ActPriority"
  displayName="Callback results" />
  <performer>
    <assignedEntity>
      <id root="2.16.840.1.113883.19" extension="1234" />
      <addr>
        ...
      </addr>
      <telecom use="WP" value="tel: +1(555)-555-5000" />
      <representedOrganization>
        <id root="2.16.840.1.113883.19.5" />
        <name>Community Health and Hospitals</name>
        <telecom use="WP" value="tel:+1(555)-555-5000" />
        <addr>
          ...
        </addr>
      </representedOrganization>
    </assignedEntity>
  </performer>
  <participant typeCode="LOC">
    <participantRole classCode="SDLOC">
      <!-- [C-CDA 2.1 ] Service Delivery Location -->
      <templateId root="2.16.840.1.113883.10.20.22.4.32" />
      ...
    </participantRole>
  </participant>
  <entryRelationship typeCode="RSON">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA] Indication (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.19" extension="2014-06-09" />
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <act classCode="ACT" moodCode="INT">
      <!-- [C-CDA] Instruction (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />
      ...
    </act>
  </entryRelationship>
</act>
```



3.67 Procedure Activity Observation (NHCS V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01 (open) ]

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Table 297: Procedure Activity Observation (NHCS V3) Contexts

Contained By:	Contains:
<a href="#">Procedures Section (entries required) (NHCS V3)</a> (optional) <a href="#">Procedures Section (entries optional) (NHCS V3)</a> (optional)	<a href="#">Indication (V2)</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Medication Activity (NHCS V3)</a> (optional) <a href="#">Reaction Observation (NHCS V3)</a> (optional)

The C-CDA template, Procedure Activity Observation (V2), has been versioned in this guide to support USCDI-v3.

The common notion of procedure is broader than that specified by the HL7 Version 3 Reference Information Model (RIM). Therefore procedure templates can be represented with various RIM classes: act (e.g., dressing change), observation (e.g., EEG), procedure (e.g., splenectomy).

This template represents procedures that result in new information about the patient that cannot be classified as a procedure according to the HL7 RIM. Examples of these procedures are diagnostic imaging procedures, EEGs, and EKGs.

**Table 298: Procedure Activity Observation (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-8282</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-8237</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-8238</a>	
@root	1..1	SHALL		<a href="#">5564-10520</a>	2.16.840.1.113883.10.20.22.4.13
@extension	1..1	SHALL		<a href="#">5564-32507</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-8239</a>	
code	1..1	SHALL		<a href="#">5564-19197</a>	
originalText	0..1	SHOULD		<a href="#">5564-19198</a>	
reference	0..1	SHOULD		<a href="#">5564-19199</a>	
@value	0..1	SHOULD		<a href="#">5564-19200</a>	
statusCode	1..1	SHALL		<a href="#">5564-8245</a>	
@code	1..1	SHALL		<a href="#">5564-32365</a>	urn:oid:2.16.840.1.113883.11.20.9.22 (ProcedureAct statusCode)
effectiveTime	0..1	SHOULD		<a href="#">5564-8246</a>	
priorityCode	0..1	MAY		<a href="#">5564-8247</a>	urn:oid:2.16.840.1.113883.1.11.16866 (ActPriority)
value	1..1	SHALL		<a href="#">5564-16846</a>	
@nullFlavor	0..1	MAY		<a href="#">5564-32778</a>	
methodCode	0..1	MAY		<a href="#">5564-8248</a>	
targetSiteCode	0..*	SHOULD		<a href="#">5564-8250</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 (Body Site Value Set)
performer	0..*	SHOULD		<a href="#">5564-8251</a>	
assignedEntity	1..1	SHALL		<a href="#">5564-8252</a>	
id	1..*	SHALL		<a href="#">5564-</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">8253</a>	
addr	1..*	SHALL		<a href="#">5564-8254</a>	
telecom	1..*	SHALL		<a href="#">5564-8255</a>	
representedOrganization	0..1	SHOULD		<a href="#">5564-8256</a>	
id	0..*	SHOULD		<a href="#">5564-8257</a>	
name	0..*	MAY		<a href="#">5564-8258</a>	
telecom	1..*	SHALL		<a href="#">5564-8260</a>	
addr	1..*	SHALL		<a href="#">5564-8259</a>	
author	0..*	SHOULD		<a href="#">5564-32478</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	0..*	MAY		<a href="#">5564-8261</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8262</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = LOC
participantRole	1..1	SHALL		<a href="#">5564-15904</a>	Service Delivery Location (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.32)
entryRelationship	0..*	MAY		<a href="#">5564-8264</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8265</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
@inversionInd	1..1	SHALL		<a href="#">5564-8266</a>	true
encounter	1..1	SHALL		<a href="#">5564-8267</a>	
@classCode	1..1	SHALL		<a href="#">5564-8268</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ENC
@moodCode	1..1	SHALL		<a href="#">5564-8269</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
id	1..1	SHALL		<a href="#">5564-8270</a>	
entryRelationship	0..1	MAY		<a href="#">5564-8272</a>	
@typeCode	1..1	SHALL		<a href="#">5564-</a>	urn:oid:2.16.840.1.113883.5.1

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">8273</a>	002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-8274</a>	true
act	1..1	SHALL		<a href="#">5564-31394</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.20:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-8276</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8277</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">5564-15906</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.19:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-8279</a>	
@typeCode	1..1	SHALL		<a href="#">5564-8280</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = COMP
substanceAdministration	1..1	SHALL		<a href="#">5564-15907</a>	<a href="#">Medication Activity (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.16:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-32470</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32471</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = COMP
observation	1..1	SHALL		<a href="#">5564-32472</a>	<a href="#">Reaction Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.9:2025-08-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-8282).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-8237).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-8238) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.13" (CONF:5564-10520).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32507).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-8239).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-19197).
  - a. This code **SHOULD** contain zero or one [0..1] **originalText** (CONF:5564-19198).

- i. The originalText, if present, **SHOULD** contain zero or one [0..1] **reference** (CONF:5564-19199).
    1. The reference, if present, **SHOULD** contain zero or one [0..1] **@value** (CONF:5564-19200).
      - a. This reference/@value **SHALL** begin with a '#' and **SHALL** point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:5564-19201).
    - b. This @code **SHOULD** be selected from LOINC (CodeSystem: 2.16.840.1.113883.6.1) or SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96), and **MAY** be selected from CPT (CodeSystem: 2.16.840.1.113883.6.12) or ICD-10-PCS (CodeSystem: 2.16.840.1.113883.6.4) or CDT-2 (Code System: 2.16.840.1.113883.6.13) (CONF:5564-19202).
  6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-8245).
    - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [ProcedureAct statusCode](#) urn:oid:2.16.840.1.113883.11.20.9.22 **STATIC** 2014-04-23 (CONF:5564-32365).
  7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:5564-8246).
  8. **MAY** contain zero or one [0..1] **priorityCode**, which **SHALL** be selected from ValueSet [ActPriority](#) urn:oid:2.16.840.1.113883.1.11.16866 **DYNAMIC** (CONF:5564-8247).
  9. **SHALL** contain exactly one [1..1] **value** (CONF:5564-16846).
- If nothing is appropriate for value, use an appropriate nullFlavor.
- a. This value **MAY** contain zero or one [0..1] **@nullFlavor** (CONF:5564-32778).
  10. **MAY** contain zero or one [0..1] **methodCode** (CONF:5564-8248).
    - a. MethodCode **SHALL NOT** conflict with the method inherent in Observation / code (CONF:5564-8249).
  11. **SHOULD** contain zero or more [0..\*] **targetSiteCode**, which **SHALL** be selected from ValueSet [Body Site Value Set](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 **DYNAMIC** (CONF:5564-8250).
  12. **SHOULD** contain zero or more [0..\*] **performer** (CONF:5564-8251).
    - a. The performer, if present, **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:5564-8252).
      - i. This assignedEntity **SHALL** contain at least one [1..\*] **id** (CONF:5564-8253).
      - ii. This assignedEntity **SHALL** contain at least one [1..\*] **addr** (CONF:5564-8254).
      - iii. This assignedEntity **SHALL** contain at least one [1..\*] **telecom** (CONF:5564-8255).
      - iv. This assignedEntity **SHOULD** contain zero or one [0..1] **representedOrganization** (CONF:5564-8256).
        1. The representedOrganization, if present, **SHOULD** contain zero or more [0..\*] **id** (CONF:5564-8257).
        2. The representedOrganization, if present, **MAY** contain zero or more [0..\*] **name** (CONF:5564-8258).

3. The representedOrganization, if present, **SHALL** contain at least one [1..\*] **telecom** (CONF:5564-8260).
4. The representedOrganization, if present, **SHALL** contain at least one [1..\*] **addr** (CONF:5564-8259).
13. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-32478).
14. **MAY** contain zero or more [0..\*] **participant** (CONF:5564-8261) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="LOC"** Location (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:5564-8262).
  - b. **SHALL** contain exactly one [1..1] Service Delivery Location (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.32) (CONF:5564-15904).
15. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-8264) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8265).
  - b. **SHALL** contain exactly one [1..1] **@inversionInd="true"** true (CONF:5564-8266).
  - c. **SHALL** contain exactly one [1..1] **encounter** (CONF:5564-8267).
    - i. This encounter **SHALL** contain exactly one [1..1] **@classCode="ENC"** Encounter (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-8268).
    - ii. This encounter **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-8269).
    - iii. This encounter **SHALL** contain exactly one [1..1] **id** (CONF:5564-8270).
      1. Set encounter/id to the id of an encounter in another section to signify they are the same encounter (CONF:5564-16847).
16. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-8272) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8273).
  - b. **SHALL** contain exactly one [1..1] **@inversionInd="true"** true (CONF:5564-8274).
  - c. **SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:5564-31394).
17. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-8276) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8277).
  - b. **SHALL** contain exactly one [1..1] [Indication \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:5564-15906).
18. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-8279) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-8280).
  - b. **SHALL** contain exactly one [1..1] [Medication Activity \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01) (CONF:5564-15907).
19. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32470) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32471).
  - b. **SHALL** contain exactly one [1..1] [Reaction Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01) (CONF:5564-32472).

**Figure 126: Procedure Activity Observation (NHCS V3) Example**

```

<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA R2] Procedure Activity Observation (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.13" extension="2025-08-01"/>
  <id extension="123456789" root="2.16.840.1.113883.19" />
  <code code="274025005"
    codeSystem="2.16.840.1.113883.6.96"
    displayName="Colonic polypectomy"
    codeSystemName="SNOMED-CT">
    <originalText>
      <reference value="#Proc1" />
    </originalText>
  </code>
  <statusCode code="aborted" />
  <effectiveTime value="20110203" />
  <priorityCode code="CR" codeSystem="2.16.840.1.113883.5.7" codeSystemName="ActPriority"
  displayName="Callback results" />
  <value nullFlavor="NA" />
  <methodCode nullFlavor="UNK" />
  <targetSiteCode code="416949008" codeSystem="2.16.840.1.113883.6.96"
  codeSystemName="SNOMED CT" displayName="Abdomen and pelvis" />
  <performer>
    <assignedEntity>
      <id root="2.16.840.1.113883.19" extension="1234" />
      <addr>
        ...
      </addr>
      <telecom use="WP" value="tel: +1(555)-555-5000" />
      <representedOrganization>
        <id root="2.16.840.1.113883.19.5" />
        <name>Community Health and Hospitals</name>
        <telecom use="WP" value="tel:+1(555)-555-5000" />
        <addr>
          ...
        </addr>
      </representedOrganization>
    </assignedEntity>
  </performer>
  <participant typeCode="LOC">
    <participantRole classCode="SDLOC">
      <!-- [C-CDA] Service Delivery Location -->
      <templateId root="2.16.840.1.113883.10.20.22.4.32" />
      ...
    </participantRole>
  </participant>
  <entryRelationship typeCode="RSON">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA] Indication (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.19" extension="2014-06-09" />
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <act classCode="ACT" moodCode="INT">
      <!-- [C-CDA] Instruction (V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />
    </act>
  </entryRelationship>

```



```

...
</act>
</entryRelationship>
</observation>

```

### 3.68 Procedure Activity Procedure (NHCS V4)

[procedure: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01  
(open) ]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 299: Procedure Activity Procedure (NHCS V4) Contexts**

Contained By:	Contains:
<a href="#">Procedures Section (entries required) (NHCS V3)</a> (optional) <a href="#">Procedures Section (entries optional) (NHCS V3)</a> (optional) <a href="#">Reaction Observation (NHCS V3)</a> (optional) <a href="#">Medical Equipment Section (NHCS V3)</a> (optional) <a href="#">Medical Equipment Organizer (NHCS V2)</a> (optional)	<a href="#">Product Instance</a> (optional) <a href="#">Indication (V2)</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Medication Activity (NHCS V3)</a> (optional) <a href="#">Assessment Scale Observation (NHCS V3)</a> (optional) <a href="#">Reaction Observation (NHCS V3)</a> (optional)

The C-CDA template, Procedure Activity Procedure (V3), has been versioned in this guide to support USCDI-v3.

The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM). Therefore procedure templates can be represented with various RIM classes: act (e.g., dressing change), observation (e.g., EEG), procedure (e.g., splenectomy).

This template represents procedures whose immediate and primary outcome (post-condition) is the alteration of the physical condition of the patient. Examples of these procedures are an appendectomy, hip replacement, and a creation of a gastrostomy.

This template can be used with a contained Product Instance template to represent a device in or on a patient. In this case, targetSiteCode is used to record the location of the device in or on the patient's body. Equipment supplied to the patient (e.g., pumps, inhalers, wheelchairs) is represented by the Non-Medicinal Supply Activity (V2) template.

Procedure Activity Procedure V3 Usage Note: Common practice in the industry has shown that Procedure Activity Procedure is the usually implemented CDA template for any type of intervention or procedure regardless of if the "immediate and primary outcome (post-condition) is the alteration of the physical condition of the patient" or not. As a result, it is recommended to use Procedure Activity Procedure when sending procedures also thought of as "interventions" such as "Home Environment Evaluation" or "Assessment of nutritional status".

**Table 300: Procedure Activity Procedure (NHCS V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
procedure (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-33314</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = PROC
@moodCode	1..1	SHALL		<a href="#">5564-33315</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-33253</a>	
@root	1..1	SHALL		<a href="#">5564-33286</a>	2.16.840.1.113883.10.20.22.4.14
@extension	1..1	SHALL		<a href="#">5564-33287</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-33316</a>	
code	1..1	SHALL		<a href="#">5564-33254</a>	
originalText	0..1	SHOULD		<a href="#">5564-33255</a>	
reference	0..1	SHOULD		<a href="#">5564-33256</a>	
@value	0..1	SHOULD		<a href="#">5564-33257</a>	
statusCode	1..1	SHALL		<a href="#">5564-33258</a>	
@code	1..1	SHALL		<a href="#">5564-33291</a>	urn:oid:2.16.840.1.113883.11.20.9.22 (ProcedureAct statusCode)
effectiveTime	0..1	SHOULD		<a href="#">5564-33317</a>	
priorityCode	0..1	MAY		<a href="#">5564-33318</a>	urn:oid:2.16.840.1.113883.1.11.16866 (ActPriority)
methodCode	0..1	MAY		<a href="#">5564-33259</a>	
targetSiteCode	0..*	SHOULD		<a href="#">5564-33319</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 (Body Site Value Set)
specimen	0..*	MAY		<a href="#">5564-33260</a>	
specimenRole	1..1	SHALL		<a href="#">5564-33261</a>	
id	0..*	SHOULD		<a href="#">5564-33262</a>	
performer	0..*	SHOULD		<a href="#">5564-33263</a>	
assignedEntity	1..1	SHALL		<a href="#">5564-</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">33264</a>	
id	1..*	SHALL		<a href="#">5564-33299</a>	
addr	1..*	SHALL		<a href="#">5564-33300</a>	
telecom	1..*	SHALL		<a href="#">5564-33301</a>	
representedOrganization	0..1	SHOULD		<a href="#">5564-33265</a>	
id	0..*	SHOULD		<a href="#">5564-33295</a>	
name	0..*	MAY		<a href="#">5564-33296</a>	
telecom	1..*	SHALL		<a href="#">5564-33297</a>	
addr	1..*	SHALL		<a href="#">5564-33298</a>	
author	0..*	SHOULD		<a href="#">5564-33281</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	0..*	MAY		<a href="#">5564-33266</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33302</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = DEV
participantRole	1..1	SHALL		<a href="#">5564-33267</a>	<a href="#">Product Instance (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37)</a>
participant	0..*	MAY		<a href="#">5564-33268</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33303</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = LOC
participantRole	1..1	SHALL		<a href="#">5564-33269</a>	Service Delivery Location (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.32)
entryRelationship	0..*	MAY		<a href="#">5564-33270</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33307</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
@inversionInd	1..1	SHALL		<a href="#">5564-33308</a>	true
encounter	1..1	SHALL		<a href="#">5564-</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">33271</a>	
@classCode	1..1	SHALL		<a href="#">5564-33305</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ENC
@moodCode	1..1	SHALL		<a href="#">5564-33306</a>	urn:oid:2.16.840.1.113883.5.1 001 (HL7ActMood) = EVN
id	1..1	SHALL		<a href="#">5564-33272</a>	
entryRelationship	0..1	MAY		<a href="#">5564-33273</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33309</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-33310</a>	true
act	1..1	SHALL		<a href="#">5564-33274</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.20:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-33275</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33311</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = RSON
observation	1..1	SHALL		<a href="#">5564-33276</a>	<a href="#">Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.19:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">5564-33277</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33312</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = COMP
substanceAdministration	1..1	SHALL		<a href="#">5564-33278</a>	<a href="#">Medication Activity (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.16:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-33279</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33313</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = COMP
observation	1..1	SHALL		<a href="#">5564-33280</a>	<a href="#">Reaction Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.9:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-33282</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33320</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType)

XPath	Card.	Verb	Data Type	CONF#	Value
					= RSON
observation	1..1	SHALL		<a href="#">5564-33283</a>	<a href="#">Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-33284</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33321</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
act	1..1	SHALL		<a href="#">5564-33285</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)

1. **SHALL** contain exactly one [1..1] **@classCode**="PROC" Procedure (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-33314).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-33315).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33253) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.14" (CONF:5564-33286).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33287).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-33316).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-33254).
  - a. This code **SHOULD** contain zero or one [0..1] **originalText** (CONF:5564-33255).
    - i. The originalText, if present, **SHOULD** contain zero or one [0..1] **reference** (CONF:5564-33256).
      1. The reference, if present, **SHOULD** contain zero or one [0..1] **@value** (CONF:5564-33257).
        - a. This reference/**@value** **SHALL** begin with a '#' and **SHALL** point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:5564-33288).
    - b. This **@code** **SHOULD** be selected from LOINC (CodeSystem: 2.16.840.1.113883.6.1) or SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96) or CPT (CodeSystem: 2.16.840.1.113883.6.12) or ICD-10-PCS (CodeSystem: 2.16.840.1.113883.6.4) or HCPCS (Code System: 2.16.840.1.113762.1.4.1247.9) or CDT-2 (Code System: 2.16.840.1.113883.6.13) (CONF:5564-33289).
    - c. If the Intervention Procedure is a Social Determinant of Health Intervention, the procedure code **SHOULD** be selected from ValueSet [Social Determinant of Health Procedures](#)**DYNAMIC** (CONF:5564-33290).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-33258).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [ProcedureAct statusCode](#)

urn:oid:2.16.840.1.113883.11.20.9.22 **STATIC** 2014-04-23 (CONF:5564-33291).

7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:5564-33317).
8. **MAY** contain zero or one [0..1] **priorityCode**, which **SHALL** be selected from ValueSet [ActPriority](#) urn:oid:2.16.840.1.113883.1.11.16866 **DYNAMIC** (CONF:5564-33318).
9. **MAY** contain zero or one [0..1] **methodCode** (CONF:5564-33259).
  - a. MethodCode **SHALL NOT** conflict with the method inherent in Procedure / code (CONF:5564-33292).

In the case of an implanted medical device, targetSiteCode is used to record the location of the device, in or on the patient's body.

10. **SHOULD** contain zero or more [0..\*] **targetSiteCode**, which **SHALL** be selected from ValueSet [Body Site Value Set](#) urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 **DYNAMIC** (CONF:5564-33319).
11. **MAY** contain zero or more [0..\*] **specimen** (CONF:5564-33260).
  - a. The specimen, if present, **SHALL** contain exactly one [1..1] **specimenRole** (CONF:5564-33261).
    - i. This specimenRole **SHOULD** contain zero or more [0..\*] **id** (CONF:5564-33262).
      1. If you want to indicate that the Procedure and the Results are referring to the same specimen, the Procedure/specimen/specimenRole/id **SHOULD** be set to equal an Organizer/specimen/ specimenRole/id (CONF:5564-33293).
  - b. This specimen is for representing specimens obtained from a procedure (CONF:5564-33294).
12. **SHOULD** contain zero or more [0..\*] **performer** (CONF:5564-33263) such that it
  - a. **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:5564-33264).
    - i. This assignedEntity **SHALL** contain at least one [1..\*] **id** (CONF:5564-33299).
    - ii. This assignedEntity **SHALL** contain at least one [1..\*] **addr** (CONF:5564-33300).
    - iii. This assignedEntity **SHALL** contain at least one [1..\*] **telecom** (CONF:5564-33301).
    - iv. This assignedEntity **SHOULD** contain zero or one [0..1] **representedOrganization** (CONF:5564-33265).
      1. The representedOrganization, if present, **SHOULD** contain zero or more [0..\*] **id** (CONF:5564-33295).
      2. The representedOrganization, if present, **MAY** contain zero or more [0..\*] **name** (CONF:5564-33296).
      3. The representedOrganization, if present, **SHALL** contain at least one [1..\*] **telecom** (CONF:5564-33297).
      4. The representedOrganization, if present, **SHALL** contain at least one [1..\*] **addr** (CONF:5564-33298).
13. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-33281).
14. **MAY** contain zero or more [0..\*] **participant** (CONF:5564-33266) such that it

- a. **SHALL** contain exactly one [1..1] @typeCode="DEV" Device (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33302).
  - b. **SHALL** contain exactly one [1..1] Product Instance (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37) (CONF:5564-33267).
15. **MAY** contain zero or more [0..\*] **participant** (CONF:5564-33268) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="LOC" Location (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:5564-33303).
  - b. **SHALL** contain exactly one [1..1] Service Delivery Location (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.32) (CONF:5564-33269).
16. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33270) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33307).
  - b. **SHALL** contain exactly one [1..1] @inversionInd="true" true (CONF:5564-33308).
  - c. **SHALL** contain exactly one [1..1] **encounter** (CONF:5564-33271).
    - i. This encounter **SHALL** contain exactly one [1..1] @classCode="ENC" Encounter (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-33305).
    - ii. This encounter **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-33306).
    - iii. This encounter **SHALL** contain exactly one [1..1] **id** (CONF:5564-33272).
      - 1. Set the encounter ID to the ID of an encounter in another section to signify they are the same encounter (CONF:5564-33304).
17. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-33273) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33309).
  - b. **SHALL** contain exactly one [1..1] @inversionInd="true" true (CONF:5564-33310).
  - c. **SHALL** contain exactly one [1..1] Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:5564-33274).
18. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33275) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="RSON" Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33311).
  - b. **SHALL** contain exactly one [1..1] Indication (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09) (CONF:5564-33276).
19. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33277) such that it
- a. **SHALL** contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-33312).

- b. **SHALL** contain exactly one [1..1] [Medication Activity \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01) (CONF:5564-33278).
20. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33279) such that it
- a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33313).
  - b. **SHALL** contain exactly one [1..1] [Reaction Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01) (CONF:5564-33280).

When an Assessment Scale Observation is contained in a Procedure Template instance that is a Social Determinant of Health intervention procedure, that Assessment scale **MAY** contain Assessment Scale observations that represent LOINC question and answer pairs from SDOH screening instruments.

21. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33282) such that it
- a. **SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33320).
  - b. **SHALL** contain exactly one [1..1] [Assessment Scale Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01) (CONF:5564-33283).

When an Entry Reference Template is contained in a Procedure Template instance that is a Social Determinant of Health procedure, that Entry Reference **MAY** refer to Assessment Scale Observation in the same document that represent LOINC question and answer pairs from SDOH screening instruments.

22. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-33284) such that it
- a. **SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33321).
  - b. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:5564-33285).



**Figure 127: Procedure Activity Procedure (NHCS V4) Example**

```
<procedure classCode="PROC" moodCode="EVN">
  <!-- [Updated C-CDA R2] Procedure Activity Procedure (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.14" extension="2025-08-01"/>
  <id root="d5b614bd-01ce-410d-8726-e1fd01dcc72a" />
  <code code="103716009" codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED CT" displayName="Stent Placement">
    <originalText>
      <reference value="#Proc1" />
    </originalText>
  </code>
  <statusCode code="completed" />
  <effectiveTime value="20130512" />
  <targetSiteCode code="28273000" displayName="bile duct"
    codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" />
  <specimen typeCode="SPC">
    <specimenRole classCode="SPEC">
      <id root="a6d7b927-2b70-43c7-bdf3-0e7c4133062c" />
      <specimenPlayingEntity>
        <code code="57259009" codeSystem="2.16.840.1.113883.6.96"
          displayName="gallbladder bile" />
      </specimenPlayingEntity>
    </specimenRole>
  </specimen>
  <performer>
    ...
  </performer>
</procedure>
```

**Figure 128: Procedure Activity Procedure (NHCS V3) Social Determinant of Health Intervention Example**

```
<procedure classCode="PROC" moodCode="EVN">
  <!-- [Updated C-CDA R2] Procedure Activity Procedure (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.14" extension="2025-08-01"/>
  <id extension="2448483" root="1.2.840.114350.1.13.5552.1.7.2.798268"/>
  <code code="61310001" codeSystem="2.16.840.1.113883.6.96"
    displayName="Nutrition education" codeSystemName="SNOMED-CT">
    <originalText>
      <reference value="#ProcedureDesc3"/>
    </originalText>
    <translation code="97802" codeSystem="2.16.840.1.113883.6.12"
      displayName="Medical nutrition therapy; initial"
      codeSystemName="CPT"/>
    <translation code="S9470" codeSystem="2.16.840.1.113883.6.13"
      displayName="Nutritional counseling, diet"
      codeSystemName="HCPCS"/>
  </code>
  <text>
    <reference value="#Procedure1"/>
  </text>
  <statusCode code="completed"/>
  <effectiveTime value="20160413"/>
</procedure>
```

3.68.1 Procedure Activity Procedure (UDI) (V2)

[procedure: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.3.46:2025-08-01 (open) ]

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**Table 301: Procedure Activity Procedure (UDI) (V2) Contexts**

Contained By:	Contains:
<a href="#">Medical Equipment Section (UDI) (V2)</a> (optional)	<a href="#">Product Instance</a> (optional) <a href="#">UDI Organizer</a> (optional)

This template is based on the C-CDA Procedure Activity Procedure (V2) template and further constrains that template to include the UDI Organizer to represent the UDI information of devices in the contained Product Instance template that are applied during a procedure (e.g., cardiac pacemaker, gastrostomy tube, port catheter).

This template should only be used when both the UDI and parsed UDI data elements and associated metadata (device manufacturer, lot or batch number, serial number, manufacturing date, expiration date, distinct identification code, brand name, and model number, catalog number, company name, MRI safety, latex safety, implantable device status) are available. Otherwise use the base template C-CDA Procedure Activity Procedure (V2).

**Table 302: Procedure Activity Procedure (UDI) (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
procedure (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.46:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-29042</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = PROC
@moodCode	1..1	SHALL		<a href="#">5564-29043</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-33356</a>	
@root	1..1	SHALL		<a href="#">5564-29044</a>	2.16.840.1.113883.10.20.34.3.46
@extension	1..1	SHALL		<a href="#">5564-29045</a>	2025-08-01
participant	0..1	SHOULD		<a href="#">5564-29070</a>	
@typeCode	1..1	SHALL		<a href="#">5564-29072</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = PRD
participantRole	1..1	SHALL		<a href="#">5564-29071</a>	<a href="#">Product Instance (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37)</a>
entryRelationship	0..1	SHOULD		<a href="#">5564-29046</a>	
@typeCode	1..1	SHALL		<a href="#">5564-29048</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
organizer	1..1	SHALL		<a href="#">5564-29047</a>	<a href="#">UDI Organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21)</a>

1. Conforms to [Procedure Activity Procedure \(NHCS V4\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01).
2. **SHALL** contain exactly one [1..1] @classCode="PROC" Procedure (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-29042).
3. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-29043).
4. **SHALL** contain exactly one [1..1] templateId (CONF:5564-33356) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.34.3.46" (CONF:5564-29044).
  - b. **SHALL** contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-29045).
5. **SHOULD** contain zero or one [0..1] participant (CONF:5564-29070).
  - a. The participant, if present, **SHALL** contain exactly one [1..1] @typeCode="PRD" Product (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:5564-29072).

- b. The participant, if present, **SHALL** contain exactly one [1..1] [Product Instance](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37) (CONF:5564-29071).
6. **SHOULD** contain zero or one [0..1] **entryRelationship** (CONF:5564-29046).
  - a. The entryRelationship, if present, **SHALL** contain exactly one [1..1] **@typeCode="COMP"** Has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-29048).
  - b. The entryRelationship, if present, **SHALL** contain exactly one [1..1] [UDI Organizer](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21) (CONF:5564-29047).

**Figure 129: Procedure Activity Procedure (UDI) (V2) Example**

```
<procedure classCode="PROC" moodCode="EVN">
  <!-- [Updated C-CDA R2] Procedure Activity Procedure (NHCS V4) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.14" extension="2025-08-01"/>
  <!-- [NHCS STU4] Procedure Activity Procedure (UDI) (V2) -->
  <templateId root="2.16.840.1.113883.10.20.34.3.46" extension="2025-08-01"/>
  <id root="a5b614bd-01ce-410d-8726-e1fd01dcc72a" />
  <code code="609153008" codeSystem="2.16.840.1.113883.6.96"
    codeSystemName="SNOMED CT"
    displayName="Percutaneous insertion of drug eluting stent into coronary artery
      using fluoroscopic guidance (procedure)"></code>
  <statusCode code="completed" />
  <effectiveTime value="20190512" />
  <participant typeCode="PRD">
    <participantRole classCode="MANU">
      <!-- [C-CDA] Product Instance -->
      <templateId root="2.16.840.1.113883.10.20.22.4.37" />
      ...
    </participantRole>
  </participant>
  <entryRelationship typeCode="COMP">
    <!-- [C-CDA 2.1 Comp. Guide R2 App. B] UDI Organizer -->
    <organizer classCode="CLUSTER" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.312" extension="2019-06-21" />
      ...
    </organizer>
  </entryRelationship>
</procedure>
```

### 3.69 Product Instance

[participantRole: identifier urn:oid:2.16.840.1.113883.10.20.22.4.37 (open)]

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DSTU R1.1

**Table 303: Product Instance Contexts**

Contained By:	Contains:
<a href="#">Non-Medicinal Supply Activity (V2)</a> (optional) <a href="#">Planned Supply (V2)</a> (optional) <a href="#">Non-Medicinal Supply Activity (UDI)</a> (optional) <a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional) <a href="#">Procedure Activity Procedure (UDI) (V2)</a> (optional)	

This clinical statement represents a particular device that was placed in a patient or used as part of a procedure or other act. This provides a record of the identifier and other details about the given product that was used. For example, it is important to have a record that indicates not just that a hip prostheses was placed in a patient but that it was a particular hip prostheses number with a unique identifier.

The FDA Amendments Act specifies the creation of a Unique Device Identification (UDI) System that requires the label of devices to bear a unique identifier that will standardize device identification and identify the device through distribution and use.

The FDA permits an issuing agency to designate that their Device Identifier (DI) + Production Identifier (PI) format qualifies as a UDI through a process of accreditation. Currently, there are three FDA-accredited issuing agencies that are allowed to call their format a UDI. These organizations are GS1, HIBCC, and ICCBBA. For additional information on technical formats that qualify as UDI from each of the issuing agencies see the UDI Appendix.

When communicating only the issuing agency device identifier (i.e., subcomponent of the UDI), the use of the issuing agency OID is appropriate. However, when communicating the unique device identifier (DI + PI), the FDA OID (2.16.840.1.113883.3.3719) must be used.

When sending a UDI, populate the participantRole/id/@root with the FDA OID (2.16.840.1.113883.3.3719) and participantRole/id/@extension with the UDI.

When sending a DI, populate the participantRole/id/@root with the appropriate assigning agency OID and participantRole/id/@extension with the DI.

The scopingEntity/id should correspond to FDA or the appropriate issuing agency.

**Table 304: Product Instance Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
participantRole (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.37)					
@classCode	1..1	SHALL		<a href="#">81-7900</a>	urn:oid:2.16.840.1.113883.5.110 (HL7RoleClass) = MANU
templateId	1..1	SHALL		<a href="#">81-7901</a>	
@root	1..1	SHALL		<a href="#">81-10522</a>	2.16.840.1.113883.10.20.22.4.37
id	1..*	SHALL		<a href="#">81-7902</a>	
playingDevice	1..1	SHALL		<a href="#">81-7903</a>	
code	0..1	SHOULD		<a href="#">81-16837</a>	
scopingEntity	1..1	SHALL		<a href="#">81-7905</a>	
id	1..*	SHALL		<a href="#">81-7908</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="MANU" Manufactured Product (CodeSystem: HL7RoleClass urn:oid:2.16.840.1.113883.5.110 **STATIC**) (CONF:81-7900).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-7901) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.37" (CONF:81-10522).
3. **SHALL** contain at least one [1..\*] **id** (CONF:81-7902).
4. **SHALL** contain exactly one [1..1] **playingDevice** (CONF:81-7903).
  - a. This playingDevice **SHOULD** contain zero or one [0..1] **code** (CONF:81-16837).
5. **SHALL** contain exactly one [1..1] **scopingEntity** (CONF:81-7905).
  - a. This scopingEntity **SHALL** contain at least one [1..\*] **id** (CONF:81-7908).

**Figure 130: Product Instance Example**

```

<participantRole classCode="MANU">
  <templateId root="2.16.840.1.113883.10.20.22.4.37"/>
  <id root="2.16.840.1.113883.3.3719"
    extension="(01)5102222233336(11)141231(17)150707(10)A213B1(21)1234"
    assigningAuthorityName="FDA"/>
  <playingDevice>
    <code code="90412006" codeSystem="2.16.840.1.113883.6.96"
      displayName="Colonoscope"/>
  </playingDevice>
  <scopingEntity>
    <id root="2.16.840.1.113883.3.3719"/>
  </scopingEntity>
</participantRole>

```

### 3.70 Reaction Observation (NHCS V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01  
(open) ]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 305: Reaction Observation (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Medication Activity (NHCS V3)</a> (optional) <a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional) <a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Immunization Activity (NHCS V4)</a> (optional) <a href="#">Procedure Activity Observation (NHCS V3)</a> (optional) <a href="#">Substance or Device Allergy - Intolerance Observation (NHCS V3)</a> (optional) <a href="#">Allergy - Intolerance Observation (NHCS V3)</a> (optional)	<a href="#">Severity Observation (V2)</a> (optional) <a href="#">Medication Activity (NHCS V3)</a> (optional) <a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional)

The C-CDA template, Reaction Observation (V2), has been versioned in this guide to support USCDI-v3.

This clinical statement represents the response to an undesired symptom, finding, etc. due to administered or exposed substance. A reaction can be defined described with respect to its severity, and can have been treated by one or more interventions.

**Table 306: Reaction Observation (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-7325</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-7326</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-7323</a>	
@root	1..1	SHALL		<a href="#">5564-10523</a>	2.16.840.1.113883.10.20.22.4.9
@extension	1..1	SHALL		<a href="#">5564-32504</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-7329</a>	
code	1..1	SHALL		<a href="#">5564-16851</a>	
@code	1..1	SHALL		<a href="#">5564-31124</a>	ASSERTION
@codeSystem	1..1	SHALL		<a href="#">5564-32169</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
statusCode	1..1	SHALL		<a href="#">5564-7328</a>	
@code	1..1	SHALL		<a href="#">5564-19114</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	0..1	SHOULD		<a href="#">5564-7332</a>	
low	0..1	SHOULD		<a href="#">5564-7333</a>	
high	0..1	SHOULD		<a href="#">5564-7334</a>	
value	1..1	SHALL	CD	<a href="#">5564-7335</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.7.4 (Problem)
entryRelationship	0..*	MAY		<a href="#">5564-7337</a>	
@typeCode	1..1	SHALL		<a href="#">5564-7338</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
@inversionInd	1..1	SHALL		<a href="#">5564-7343</a>	true
procedure	1..1	SHALL		<a href="#">5564-15920</a>	<a href="#">Procedure Activity Procedure (NHCS V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-</a>	



XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">7340</a>	
@typeCode	1..1	SHALL		<a href="#">5564-7341</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
@inversionInd	1..1	SHALL		<a href="#">5564-7344</a>	true
substanceAdministration	1..1	SHALL		<a href="#">5564-15921</a>	<a href="#">Medication Activity (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01)</a>
entryRelationship	0..1	MAY		<a href="#">5564-7580</a>	
@typeCode	1..1	SHALL		<a href="#">5564-7581</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-10375</a>	true
observation	1..1	SHALL		<a href="#">5564-15922</a>	<a href="#">Severity Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09)</a>

1. **SHALL** contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-7325).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-7326).
3. **SHALL** contain exactly one [1..1] templateId (CONF:5564-7323) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.9" (CONF:5564-10523).
  - b. **SHALL** contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32504).
4. **SHALL** contain at least one [1..\*] id (CONF:5564-7329).
5. **SHALL** contain exactly one [1..1] code (CONF:5564-16851).
  - a. This code **SHALL** contain exactly one [1..1] @code="ASSERTION" (CONF:5564-31124).
  - b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.5.4" (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:5564-32169).
6. **SHALL** contain exactly one [1..1] statusCode (CONF:5564-7328).
  - a. This statusCode **SHALL** contain exactly one [1..1] @code="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:5564-19114).
7. **SHOULD** contain zero or one [0..1] effectiveTime (CONF:5564-7332).
  - a. The effectiveTime, if present, **SHOULD** contain zero or one [0..1] low (CONF:5564-7333).

- b. The effectiveTime, if present, **SHOULD** contain zero or one [0..1] **high** (CONF:5564-7334).
- 8. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD", where the code **SHALL** be selected from ValueSet [Problem](#) urn:oid:2.16.840.1.113883.3.88.12.3221.7.4 **DYNAMIC** (CONF:5564-7335).
- 9. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-7337) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="RSON" Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-7338).
  - b. **SHALL** contain exactly one [1..1] @inversionInd="true" True (CONF:5564-7343).

This procedure activity is intended to contain information about procedures that were performed in response to an allergy reaction.

- c. **SHALL** contain exactly one [1..1] [Procedure Activity Procedure \(NHCS V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01) (CONF:5564-15920).
- 10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-7340) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="RSON" Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-7341).
  - b. **SHALL** contain exactly one [1..1] @inversionInd="true" True (CONF:5564-7344).

This medication activity is intended to contain information about medications that were administered in response to an allergy reaction.

- c. **SHALL** contain exactly one [1..1] [Medication Activity \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01) (CONF:5564-15921).
- 11. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-7580) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" Has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-7581).
  - b. **SHALL** contain exactly one [1..1] @inversionInd="true" TRUE (CONF:5564-10375).
  - c. **SHALL** contain exactly one [1..1] [Severity Observation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09) (CONF:5564-15922).

**Figure 131: Reaction Observation (NHCS V3) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA] Reaction Observation (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.9" extension="2025-08-01"/>
  <id root="4adc1020-7b14-11db-9fe1-0800200c9a64" />
  <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
  <text>
    <reference value="#reaction1" />
  </text>
  <statusCode code="completed" />
  <effectiveTime>
    <low value="200802260805-0800" />
    <high value="200802281205-0800" />
  </effectiveTime>
  <value xsi:type="CD" code="422587007" codeSystem="2.16.840.1.113883.6.96"
displayName="Nausea" />
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.8" extension="2014-06-09" />
      ...
    </observation>
  </entryRelationship>
</observation>
```

### 3.71 Result Observation (V4)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01  
(open)]

Published as part of C-CDA 2.1 Companion Guide V4

**Table 307: Result Observation (V4) Contexts**

Contained By:	Contains:
<a href="#">Result Organizer (NHCS V5)</a> (required) <a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional)

This template represents the results of a laboratory, radiology, or other study performed on a patient. The result observation includes a statusCode to allow recording the status of an observation. “Pending” results (e.g., a test has been run but results have not been reported yet) should be represented as “active” ActStatus.

**Table 308: Result Observation (V4) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01)					
@classCode	1..1	SHALL		<a href="#">4537-7130</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">4537-7131</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">4537-7136</a>	
@root	1..1	SHALL		<a href="#">4537-9138</a>	2.16.840.1.113883.10.20.22.4.2
@extension	1..1	SHALL		<a href="#">4537-32575</a>	2023-05-01
id	1..*	SHALL		<a href="#">4537-7137</a>	
code	1..1	SHALL		<a href="#">4537-7133</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC)
statusCode	1..1	SHALL		<a href="#">4537-7134</a>	
@code	1..1	SHALL		<a href="#">4537-14849</a>	urn:oid:2.16.840.1.113883.11.20.9.39 (Result Status)
effectiveTime	1..1	SHALL		<a href="#">4537-7140</a>	
value	1..1	SHALL		<a href="#">4537-7143</a>	
interpretationCode	0..*	SHOULD		<a href="#">4537-7147</a>	urn:oid:2.16.840.1.113883.1.11.78 (Observation Interpretation (HL7))
methodCode	0..1	MAY	SET<CE>	<a href="#">4537-7148</a>	
targetSiteCode	0..1	MAY	SET<CD>	<a href="#">4537-7153</a>	
specimen	0..*	MAY		<a href="#">4537-32611</a>	
specimenRole	1..1	SHALL		<a href="#">4537-32612</a>	
specimenPlayingEntity	1..1	SHALL		<a href="#">4537-32613</a>	
code	1..1	SHALL		<a href="#">4537-32614</a>	urn:oid:2.16.840.1.113762.1.4.1099.54 (Specimen type)
author	0..*	SHOULD		<a href="#">4537-7149</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
referenceRange	0..*	SHOULD		<a href="#">4537-7150</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
observationRange	1..1	SHALL		<a href="#">4537-7151</a>	
code	0..0	SHALL NOT		<a href="#">4537-7152</a>	
value	1..1	SHALL		<a href="#">4537-32175</a>	

1. **SHALL** contain exactly one [1..1] **@classCode="OBS"** Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4537-7130).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4537-7131).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4537-7136) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.2"** (CONF:4537-9138).
  - b. **SHALL** contain exactly one [1..1] **@extension="2023-05-01"** (CONF:4537-32575).
4. **SHALL** contain at least one [1..\*] **id** (CONF:4537-7137).
5. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from CodeSystem LOINC (urn:oid:2.16.840.1.113883.6.1) (CONF:4537-7133).
  - a. This code **SHOULD** be a code from the LOINC that identifies the result observation. If an appropriate LOINC code does not exist, then the local code for this result **SHALL** be sent (CONF:4537-19212).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4537-7134).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [Result Status](#) urn:oid:2.16.840.1.113883.11.20.9.39 **STATIC** (CONF:4537-14849).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4537-7140).  
Note: Represents the clinically relevant time of the measurement (e.g., the time a blood pressure reading is obtained, the time the blood sample was obtained for a chemistry test).
8. **SHALL** contain exactly one [1..1] **value** (CONF:4537-7143).

NOTE: The base CDA R2.0 standard requires **@unit** to be drawn from UCUM, and best practice is to use case sensitive UCUM units

- a. If Observation/value is a physical quantity (**xsi:type="PQ"**), the unit of measure **SHOULD** be selected from ValueSet **UnitsOfMeasureCaseSensitive** urn:oid:2.16.840.1.113883.1.11.12839 **DYNAMIC** (CONF:4537-31484).
- b. A coded or physical quantity value **MAY** contain zero or more [0..\*] translations, which can be used to represent the original results as output by the lab (CONF:4537-31866).
- c. If Observation/value is a CD (**xsi:type="CD"**) the value **SHOULD** be SNOMED-CT (CONF:4537-32610).
9. **SHOULD** contain zero or more [0..\*] **interpretationCode**, which **SHALL** be selected from ValueSet [Observation Interpretation \(HL7\)](#) urn:oid:2.16.840.1.113883.1.11.78 **DYNAMIC** (CONF:4537-7147).

10. **MAY** contain zero or one [0..1] **methodCode** (CONF:4537-7148).

11. **MAY** contain zero or one [0..1] **targetSiteCode** (CONF:4537-7153).

Laboratory observations are expected to include the specimen participant. The specimen included at specimenPlayingEntity/code must be consistent with the observation/code.

12. **MAY** contain zero or more [0..\*] **specimen** (CONF:4537-32611).

a. The specimen, if present, **SHALL** contain exactly one [1..1] **specimenRole** (CONF:4537-32612).

i. This specimenRole **SHALL** contain exactly one [1..1] **specimenPlayingEntity** (CONF:4537-32613).

1. This specimenPlayingEntity **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [Specimen type](#) urn:oid:2.16.840.1.113762.1.4.1099.54 **DYNAMIC** (CONF:4537-32614).

13. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:4537-7149).

14. **SHOULD** contain zero or more [0..\*] **referenceRange** (CONF:4537-7150).

a. The referenceRange, if present, **SHALL** contain exactly one [1..1] **observationRange** (CONF:4537-7151).

i. This observationRange **SHALL NOT** contain [0..0] **code** (CONF:4537-7152).

ii. This observationRange **SHALL** contain exactly one [1..1] **value** (CONF:4537-32175).

**Table 309: Observation Interpretation (HL7)**

Value Set: Observation Interpretation (HL7) urn:oid:2.16.840.1.113883.1.11.78 (Clinical Focus: Codes specifying a rough qualitative interpretation of the observation, such as "normal", "abnormal", "below normal", "change up", "resistant", "susceptible", etc.),(Data Element Scope: ),(Inclusion Criteria: all reportable codes in the code system ObservationInterpretation),(Exclusion Criteria: Collector codes in the code system)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.78/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.78/expansion</a>			
Code	Code System	Code System OID	Print Name
<	ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83	Off scale low
>	ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83	Off scale high
A	ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83	Abnormal
AA	ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83	Critical abnormal
AC	ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83	Anti-complementary substances present
B	ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83	Better
CAR	ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83	Carrier
Carrier	ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83	Carrier
D	ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83	Significant change down
DET	ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83	Detected
...			

**Table 310: Specimen type**

Value Set: Specimen type urn:oid:2.16.840.1.113762.1.4.1099.54 (Clinical Focus: This set of values includes all potentially relevant specimen types for a human result observation.),(Data Element Scope: The intent of this set of values is to represent clinically relevant specimens that may be used for laboratory or other pathology studies.),(Inclusion Criteria: Any specimen that could be relevant in a human clinical use case),(Exclusion Criteria: Excludes a decapitated animal head specimen)  This value set was imported on 11/7/2022 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.54/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.54/expansion</a>			
Code	Code System	Code System OID	Print Name
110893002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Cutaneous cytologic material (specimen)
110894008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Mammary cytologic material (specimen)
110896005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Subcutaneous cytologic material (specimen)
110897001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Bone marrow cytological material (specimen)
110898006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Lymph node cytologic material (specimen)
110899003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Breast nipple cytologic material (specimen)
110900008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Skeletal muscle cytologic material (specimen)
110901007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Bone cytologic material (specimen)
110902000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Upper respiratory tract cytologic material (specimen)
110903005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Nasal cytologic material (specimen)
...			



**Figure 132: Result Observation (V4) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.2" extension="2023-05-01" />
  <id root="7c0704bb-9c40-41b5-9c7d-26b2d59e234f" />
  <code code="20570-8" displayName="Hematocrit" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" />
  <statusCode code="completed" />
  <effectiveTime value="200803190830-0800" />
  <value xsi:type="PQ" value="35.3" unit="%" />
  <interpretationCode code="L" codeSystem="2.16.840.1.113883.5.83" />
  <author>
    <time value="200803190830-0800" />
    <assignedAuthor>
      <id extension="333444444" root="1.1.1.1.1.1.4" />
      <addr>
        <streetAddressLine>1017 Health Drive</streetAddressLine>
        <city>Portland</city>
        <state>OR</state>
        <postalCode>99123</postalCode>
        <country>US</country>
      </addr>
      <telecom use="WP" value="tel:+1(555)555-1017" />
      <assignedPerson>
        <name>
          <given>William</given>
          <given qualifier="CL">Bill</given>
          <family>Beaker</family>
        </name>
      </assignedPerson>
      <representedOrganization>
        <name>Good Health Laboratory</name>
      </representedOrganization>
    </assignedAuthor>
  </author>
  <referenceRange>
    <observationRange>
      <text>Low</text>
      <value xsi:type="IVL_PQ">
        <low value="34.9" unit="%" />
        <high value="44.5" unit="%" />
      </value>
      <interpretationCode code="L" codeSystem="2.16.840.1.113883.5.83"/>
    </observationRange>
  </referenceRange>
</observation>
```

3.72 Result Organizer (NHCS V5)

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01  
(open) ]

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Table 311: Result Organizer (NHCS V5) Contexts

Contained By:	Contains:
<a href="#">Results Section (entries optional) (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional)
<a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Result Observation (V4)</a> (required)

The C-CDA template, Result Organizer (V4), has been versioned in this guide to support USCDI-v3. This template provides a mechanism for grouping result observations. It contains information applicable to all of the contained result observations. The Result Organizer code categorizes the contained results into one of several commonly accepted values (e.g., “Hematology”, “Chemistry”, “Nuclear Medicine”).

If any Result Observation within the organizer has a statusCode of "active", the Result Organizer must also have a statusCode of "active".

**Table 312: Result Organizer (NHCS V5) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-33249</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass)
@moodCode	1..1	SHALL		<a href="#">5564-33250</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-33234</a>	
@root	1..1	SHALL		<a href="#">5564-33242</a>	2.16.840.1.113883.10.20.22.4.1
@extension	1..1	SHALL		<a href="#">5564-33243</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-33251</a>	
code	1..1	SHALL		<a href="#">5564-33235</a>	
statusCode	1..1	SHALL		<a href="#">5564-33236</a>	
@code	1..1	SHALL		<a href="#">5564-33246</a>	urn:oid:2.16.840.1.113883.11.20.9.39 (Result Status)
effectiveTime	0..1	MAY		<a href="#">5564-33237</a>	
low	1..1	SHALL		<a href="#">5564-33247</a>	
high	1..1	SHALL		<a href="#">5564-33248</a>	
specimen	0..*	MAY		<a href="#">5564-33239</a>	
specimenRole	1..1	SHALL		<a href="#">5564-33240</a>	
specimenPlayingEntity	1..1	SHALL		<a href="#">5564-33241</a>	
code	1..1	SHALL		<a href="#">5564-33252</a>	urn:oid:2.16.840.1.113762.1.4.1099.54 (Specimen type)
author	0..*	SHOULD		<a href="#">5564-33238</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
component	1..*	SHALL		<a href="#">5564-33232</a>	
observation	1..1	SHALL		<a href="#">5564-33233</a>	<a href="#">Result Observation (V4) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01)</a>

1. **SHALL** contain exactly one [1..1] **@classCode** (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-33249).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-33250).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33234) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.1" (CONF:5564-33242).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33243).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-33251).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-33235).
  - a. **SHOULD** be selected from LOINC (codeSystem 2.16.840.1.113883.6.1) **OR** SNOMED CT (codeSystem 2.16.840.1.113883.6.96), and **MAY** be selected from CPT (codeSystem 2.16.840.1.113883.6.12) (CONF:5564-33244).
  - b. Laboratory results **SHOULD** be from LOINC (CodeSystem: 2.16.840.1.113883.6.1) or other constrained terminology named by the US Department of Health and Human Services Office of National Coordinator or other federal agency (CONF:5564-33245).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-33236).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [Result Status](#) urn:oid:2.16.840.1.113883.11.20.9.39 **STATIC** (CONF:5564-33246).
7. **MAY** contain zero or one [0..1] **effectiveTime** (CONF:5564-33237).  
 Note: The effectiveTime is an interval that spans the effectiveTimes of the contained result observations. Because all contained result observations have a required time stamp, it is not required that this effectiveTime be populated.
  - a. The effectiveTime, if present, **SHALL** contain exactly one [1..1] **low** (CONF:5564-33247).
  - b. The effectiveTime, if present, **SHALL** contain exactly one [1..1] **high** (CONF:5564-33248).

When an organizer is for laboratory, observations are expected to include the specimen participant. The specimen included at specimenPlayingEntity/code must be consistent with the observation/code.

8. **MAY** contain zero or more [0..\*] **specimen** (CONF:5564-33239).
  - a. The specimen, if present, **SHALL** contain exactly one [1..1] **specimenRole** (CONF:5564-33240).
    - i. This specimenRole **SHALL** contain exactly one [1..1] **specimenPlayingEntity** (CONF:5564-33241).
      1. This specimenPlayingEntity **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [Specimen type](#) urn:oid:2.16.840.1.113762.1.4.1099.54 **DYNAMIC** (CONF:5564-33252).
9. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-33238).
10. **SHALL** contain at least one [1..\*] **component** (CONF:5564-33232) such that it

- a. **SHALL** contain exactly one [1..1] [Result Observation \(V4\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01) (CONF:5564-33233).

**Figure 133: Result Organizer (NHCS V5) Example**

```
<organizer classCode="BATTERY" moodCode="EVN">
  <!-- [Updated C-CDA R2] Result Organizer (NHCS V5) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.1" extension="2025-08-01"/>
  <id root="7d5a02b0-67a4-11db-bd13-0800200c9a66" />
  <code code="57021-8" displayName="CBC W Auto Differential panel in Blood"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" />
  <statusCode code="completed" />
  <effectiveTime>
    <low value="200803190830-0800" />
    <high value="200803190830-0800" />
  </effectiveTime>
  <author>
    ...
  </author>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA R2.1] Result Observation (V4) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.2" extension="2023-05-01"/>
      ...
    </observation>
  </component>
</organizer>
```

### 3.73 Self-Care Activities (ADL and IADL)

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.128 (open)]

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DSTU R2

**Table 313: Self-Care Activities (ADL and IADL) Contexts**

Contained By:	Contains:
<a href="#">Functional Status Section (NHCS V3)</a> (optional) <a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Functional Status Organizer (NHCS V3)</a> (required)	<a href="#">Author Participation</a> (optional)

This template represents a patient's daily self-care ability. These activities are called Activities of Daily Living (ADL) and Instrumental Activities of Daily Living (IADL). ADLs involve caring for and moving of the body (e.g., dressing, bathing, eating). IADLs support an independent life style (e.g., cooking, managing medications, driving, shopping).

**Table 314: Self-Care Activities (ADL and IADL) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.128)					
@classCode	1..1	SHALL		<a href="#">1098-31389</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-31390</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-28190</a>	
@root	1..1	SHALL		<a href="#">1098-28457</a>	2.16.840.1.113883.10.20.22.4.128
code	1..1	SHALL		<a href="#">1098-28153</a>	urn:oid:2.16.840.1.113883.11.20.9.47 (ADL Result Type)
statusCode	1..1	SHALL		<a href="#">1098-32490</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus)
@code	1..1	SHALL		<a href="#">1098-32491</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1098-32492</a>	
value	1..1	SHALL	CD	<a href="#">1098-28042</a>	urn:oid:2.16.840.1.113883.11.20.9.46 (Ability)
author	0..*	SHOULD		<a href="#">1098-32469</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1098-31389).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:1098-31390).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-28190) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.128" (CONF:1098-28457).

If more detailed ADL and IADL activities need to be recorded select the appropriate code from LOINC.

4. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [ADL Result Type](#) urn:oid:2.16.840.1.113883.11.20.9.47 **DYNAMIC** (CONF:1098-28153).
5. **SHALL** contain exactly one [1..1] **statusCode** (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-32490).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-32491).
6. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-32492).

7. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD", where the code **SHOULD** be selected from ValueSet Ability urn:oid:2.16.840.1.113883.11.20.9.46 **DYNAMIC** (CONF:1098-28042).
8. **SHOULD** contain zero or more [0..\*] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-32469).

**Table 315: Ability**

Value Set: Ability urn:oid:2.16.840.1.113883.11.20.9.46 (Clinical Focus: A value set containing SNOMED-CT codes for level of dependence.), (Data Element Scope: qualifier that describes current level of function for a functional ability), (Inclusion Criteria: Descendants of SCT Interpretation value (qualifier value) [442499005]), (Exclusion Criteria: 1) Direct Children 2) Descendants-and-self: Reference range interpretation value (qualifier value) [ 442705008])  This value set was imported on 6/24/2019 with a version of 20190423. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.46/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.46/expansion</a>			
Code	Code System	Code System OID	Print Name
1091000175109	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Requires practice (qualifier value)
371150009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Able (qualifier value)
371151008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Unable (qualifier value)
371152001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Assisted (qualifier value)
371153006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Independent (qualifier value)
371154000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Dependent (qualifier value)
371155004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Able to and does (qualifier value)
371157007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Able with difficulty (qualifier value)
385640009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Does (qualifier value)
444661000124105	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Does without difficulty (qualifier value)
...			

**Table 316: ADL Result Type**

Value Set: ADL Result Type urn:oid:2.16.840.1.113883.11.20.9.47 (Clinical Focus: This value set includes Basic ADL and IADL activities.),(Data Element Scope: @Code in Self-Care Activities (ADL and IADL) observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.128 (open)),(Inclusion Criteria: Selected LOINC codes),(Exclusion Criteria: only those selected)  This value set was imported on 6/24/2019 with a version of 20190114. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.47/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.47/expansion</a>			
Code	Code System	Code System OID	Print Name
28408-3	LOINC	urn:oid:2.16.840.1.113883.6.1	Toileting [QAM]
28409-1	LOINC	urn:oid:2.16.840.1.113883.6.1	Dressing [QAM]
28413-3	LOINC	urn:oid:2.16.840.1.113883.6.1	Ambulation [QAM]
46008-9	LOINC	urn:oid:2.16.840.1.113883.6.1	Bathing [CMS Assessment]
46482-6	LOINC	urn:oid:2.16.840.1.113883.6.1	Transferring [OASIS]
46484-2	LOINC	urn:oid:2.16.840.1.113883.6.1	Feeding or eating [OASIS]

**Figure 134: Self-Care Activities (ADL and IADL) Example**

<pre>&lt;observation classCode="OBS" moodCode="EVN"&gt;   &lt;!-- Self Care Activities (NEW)--&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.128" /&gt;   &lt;id root="c6b5a04b-2bf4-49d1-8336-636a3813df0a" /&gt;   &lt;code code="46482-6" displayName="Transferring" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" /&gt;   &lt;statusCode code="completed" /&gt;   &lt;effectiveTime value="200130311" /&gt;   &lt;value xsi:type="CD" code="371153006" displayName="Independent" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" /&gt;   &lt;author&gt;     ...   &lt;/author&gt; &lt;/observation&gt;</pre>
---



3.74 Severity Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09 (open) ]

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Table 317: Severity Observation (V2) Contexts

Contained By:	Contains:
<a href="#">Reaction Observation (NHCS V3)</a> (optional) <a href="#">Substance or Device Allergy - Intolerance Observation (NHCS V3)</a> (optional) <a href="#">Allergy - Intolerance Observation (NHCS V3)</a> (optional)	

This clinical statement represents the gravity of the reaction. The Severity Observation characterizes the Reaction Observation. A person may manifest many symptoms in a reaction to a single substance, and each reaction to the substance can be represented. However, each reaction observation can have only one severity observation associated with it. For example, someone may have a rash reaction observation as well as an itching reaction observation, but each can have only one level of severity. Note the severity observation is no longer recommended for use with the Allergy and Intolerance Observation. The Criticality Observation is preferred for characterizing the Allergy and Intolerance.

**Table 318: Severity Observation (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-7345</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-7346</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-7347</a>	
@root	1..1	SHALL		<a href="#">1098-10525</a>	2.16.840.1.113883.10.20.22.4.8
@extension	1..1	SHALL		<a href="#">1098-32577</a>	2014-06-09
code	1..1	SHALL		<a href="#">1098-19168</a>	
@code	1..1	SHALL		<a href="#">1098-19169</a>	SEV
@codeSystem	1..1	SHALL		<a href="#">1098-32170</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
statusCode	1..1	SHALL		<a href="#">1098-7352</a>	
@code	1..1	SHALL		<a href="#">1098-19115</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	CD	<a href="#">1098-7356</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.6.8 (Severity)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-7345).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-7346).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-7347) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.8" (CONF:1098-10525).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32577).
4. **SHALL** contain exactly one [1..1] **code** (CONF:1098-19168).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="SEV" Severity (CONF:1098-19169).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.5.4" (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:1098-32170).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-7352).

- a. This statusCode **SHALL** contain exactly one [1..1] @code="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-19115).
6. **SHALL** contain exactly one [1..1] value with @xsi:type="CD", where the code **SHALL** be selected from ValueSet Severity urn:oid:2.16.840.1.113883.3.88.12.3221.6.8 **DYNAMIC** (CONF:1098-7356).

**Table 319: Severity**

Value Set: Severity urn:oid:2.16.840.1.113883.3.88.12.3221.6.8 (Clinical Focus: This is a description of the level of seriousness.),(Data Element Scope: ),(Inclusion Criteria: Three severities (map fatal to severe, moderate to severe to severe, mild to moderate to moderate)),(Exclusion Criteria: )  This value set was imported on 10/20/2021 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.6.8/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.6.8/expansion</a>			
Code	Code System	Code System OID	Print Name
24484000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Severe (severity modifier) (qualifier value)
255604002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Mild (qualifier value)
6736007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Moderate (severity modifier) (qualifier value)

**Figure 135: Severity Observation (V2) Example**

<pre> &lt;observation classCode="OBS" moodCode="EVN"&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.8" extension="2014-06-09" /&gt;   &lt;code code="SEV" displayName="Severity Observation" codeSystem="2.16.840.1.113883.5.4" codeSystemName="ActCode" /&gt;   &lt;text&gt;     &lt;reference value="#allergyseverity1" /&gt;   &lt;/text&gt;   &lt;statusCode code="completed" /&gt;   &lt;value xsi:type="CD" code="371924009" displayName="Moderate to severe" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" /&gt; &lt;/observation&gt; </pre>
---

### 3.75 Smoking Status - Meaningful Use (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09 (open) ]

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**Table 320: Smoking Status - Meaningful Use (V2) Contexts**

Contained By:	Contains:
<a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Social History Section (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional)

This template represents the current smoking status of the patient as specified in Meaningful Use (MU) Stage 2 requirements. Historic smoking status observations as well as details about the smoking habit (e.g., how many per day) would be represented in the Tobacco Use template.

This template represents a "snapshot in time" observation, simply reflecting what the patient's current smoking status is at the time of the observation. As a result, the effectiveTime is constrained to a time stamp, and will approximately correspond with the author/time. Details regarding the time period when the patient is/was smoking would be recorded in the Tobacco Use template.

When the patient's current smoking status is unknown, the value element must be populated with SNOMED CT code 266927001 to communicate "Unknown if ever smoked" from the Current Smoking Status Value Set.

**Table 321: Smoking Status - Meaningful Use (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-14806</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-14807</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-14815</a>	
@root	1..1	SHALL		<a href="#">1098-14816</a>	2.16.840.1.113883.10.20.22.4.78
@extension	1..1	SHALL		<a href="#">1098-32573</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-32401</a>	
code	1..1	SHALL		<a href="#">1098-19170</a>	
@code	1..1	SHALL		<a href="#">1098-31039</a>	72166-2
@codeSystem	1..1	SHALL		<a href="#">1098-32157</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">1098-14809</a>	
@code	1..1	SHALL		<a href="#">1098-19116</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1098-31928</a>	
low	0..0	SHALL NOT		<a href="#">1098-32894</a>	
width	0..0	SHALL NOT		<a href="#">1098-32895</a>	
high	0..0	SHALL NOT		<a href="#">1098-32896</a>	
center	0..0	SHALL NOT		<a href="#">1098-32897</a>	
value	1..1	SHALL	CD	<a href="#">1098-14810</a>	
@nullFlavor	0..0	SHALL NOT		<a href="#">1098-32954</a>	
@code	1..1	SHALL		<a href="#">1098-14817</a>	urn:oid:2.16.840.1.113883.11.20.9.38 (Smoking Status)
author	0..*	SHOULD		<a href="#">1098-31148</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-14806).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-14807).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-14815) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.78" (CONF:1098-14816).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32573).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-32401).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-19170).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="72166-2" Tobacco smoking status NHIS (CONF:1098-31039).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-32157).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-14809).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-19116).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-31928).  
 Note: This template represents a "snapshot in time" observation, simply reflecting what the patient's current smoking status is at the time of the observation. As a result, the effectiveTime is constrained to just a time stamp, and will approximately correspond with the author/time.
  - a. This effectiveTime **SHALL NOT** contain [0..0] **low** (CONF:1098-32894).
  - b. This effectiveTime **SHALL NOT** contain [0..0] **width** (CONF:1098-32895).
  - c. This effectiveTime **SHALL NOT** contain [0..0] **high** (CONF:1098-32896).
  - d. This effectiveTime **SHALL NOT** contain [0..0] **center** (CONF:1098-32897).
8. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD" (CONF:1098-14810).
  - a. This value **SHALL NOT** contain [0..0] **@nullFlavor** (CONF:1098-32954).
  - b. This value **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet Smoking Status urn:oid:2.16.840.1.113883.11.20.9.38 **DYNAMIC** (CONF:1098-14817).  
 Note: When a patient's current smoking status is unknown, use '266927001' (Unknown if ever smoked) which is included in ValueSet Current Smoking Status (2.16.840.1.113883.11.20.9.38).
9. **SHOULD** contain zero or more [0..\*] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-31148).

**Table 322: Smoking Status**

Value Set: Smoking Status urn:oid:2.16.840.1.113883.11.20.9.38 (Clinical Focus: Classification of a patient's smoking behavior),(Data Element Scope: This value set is consistent with the Smoking Status codes used by ONC for Meaningful Use),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.38/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.38/expansion</a>			
Code	Code System	Code System OID	Print Name
266919005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Never smoked tobacco (finding)
266927001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tobacco smoking consumption unknown (finding)
428041000124106	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Occasional tobacco smoker (finding)
428061000124105	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Light tobacco smoker (finding)
428071000124103	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Heavy tobacco smoker (finding)
449868002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Smokes tobacco daily (finding)
77176002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Smoker (finding)
8517006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Ex-smoker (finding)

**Figure 136: Smoking Status - Meaningful Use (V2) Example**

<pre> &lt;observation classCode="OBS" moodCode="EVN"&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.78" extension="2014-06-09" /&gt;   &lt;id extension="123456789" root="2.16.840.1.113883.19" /&gt;   &lt;code code="72166-2" codeSystem="2.16.840.1.113883.6.1" displayName="Tobacco smoking status NHIS" /&gt;   &lt;statusCode code="completed" /&gt;   &lt;!-- The effectiveTime reflects when the current smoking status was observed. --&gt;   &lt;effectiveTime value="20120910" /&gt;   &lt;!-- The value represents the patient's smoking status currently observed. --&gt;   &lt;value xsi:type="CD" code="8517006" displayName="Former smoker" codeSystem="2.16.840.1.113883.6.96" /&gt;   &lt;author typeCode="AUT"&gt;     &lt;time value="199803161030-0800" /&gt;     &lt;assignedAuthor&gt;       &lt;id extension="555555555" root="1.1.1.1.1.1.2" /&gt;     &lt;/assignedAuthor&gt;   &lt;/author&gt; &lt;/observation&gt; </pre>
--

### 3.76 Social History Observation (NHCS V5)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01  
(open) ]

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**Table 323: Social History Observation (NHCS V5) Contexts**

Contained By:	Contains:
<a href="#">NHCS Social History Section (V3)</a> (optional) <a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Social History Section (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional) <a href="#">Assessment Scale Observation (NHCS V3)</a> (optional)

The C-CDA template, Social History Observation (V4), has been versioned in this guide to support USCDI-v3.

This template represents a patient's job (occupation and industry), lifestyle, and environmental health risk factors. Demographic data (e.g., marital status, race, ethnicity, religious affiliation) are captured in the header. Though tobacco use and exposure may be represented with a Social History Observation, it is recommended to use the Current Smoking Status template or the Tobacco Use template instead, to represent smoking or tobacco habits.

There are supplemental templates and guidance for observations of [Occupational Data for Health, nutrition](#) and [pregnancy](#) that could be captured in the Social History Observation, and implementers may want to consider using those more specific templates in the Social History section.



**Table 324: Social History Observation (NHCS V5) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-8548</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-8549</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-8550</a>	
@root	1..1	SHALL		<a href="#">5564-10526</a>	2.16.840.1.113883.10.20.22.4.38
@extension	1..1	SHALL		<a href="#">5564-32495</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-8551</a>	
code	1..1	SHALL		<a href="#">5564-8558</a>	urn:oid:2.16.840.1.113883.3.88.12.80.60 (Social History Type)
statusCode	1..1	SHALL		<a href="#">5564-8553</a>	
@code	1..1	SHALL		<a href="#">5564-19117</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">5564-31868</a>	
value	0..1	SHOULD		<a href="#">5564-8559</a>	
author	0..*	SHOULD		<a href="#">5564-31869</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	MAY		<a href="#">5564-32958</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33366</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SPRT
observation	1..1	SHALL		<a href="#">5564-32959</a>	<a href="#">Assessment Scale Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">5564-32969</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32971</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SPRT
act	1..1	SHALL		<a href="#">5564-33365</a>	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-8548).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-8549).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-8550) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.38" (CONF:5564-10526).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32495).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-8551).
5. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet [Social History Type](#) urn:oid:2.16.840.1.113883.3.88.12.80.60 **DYNAMIC** (CONF:5564-8558).
  - a. If **@codeSystem** is not LOINC, then this code **SHALL** contain at least one [1..\*] translation, which **SHOULD** be selected from CodeSystem LOINC (urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32956).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-8553).
  - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:5564-19117).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-31868).
8. **SHOULD** contain zero or one [0..1] **value** (CONF:5564-8559).

NOTE: The base CDA R2.0 standard requires **@unit** to be drawn from UCUM, and best practice is to use case sensitive UCUM units

- a. If Observation/value is a physical quantity (xsi:type="PQ"), the unit of measure **SHOULD** be selected from ValueSet UnitsOfMeasureCaseSensitive (2.16.840.1.113883.1.11.12839) **DYNAMIC** (CONF:5564-8555).
  - b. If the Social History Observation is a Social Determinant of Health Observation, the observation/value code **SHOULD** be selected from ValueSet [Social Determinant of Health Conditions 2.16.840.1.113762.1.4.1196.788](#) **DYNAMIC** (CONF:5564-32957).
9. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-31869).

When an Assessment Scale Observation is contained in a Social History Observation instance that is a Social Determinant of Health Social History Observation, that Assessment Scale Observation MAY contain Assessment Scale Supporting Observations that contain LOINC question and answer pairs from SDOH screening instruments.

10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32958) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="SPRT" Has support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33366).
  - b. **SHALL** contain exactly one [1..1] [Assessment Scale Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01) (CONF:5564-32959).

When an Entry Reference is contained in a Social History Template instance that is a Social Determinant of Health Social History, that Entry Reference **MAY** reference an Assessment Scale Observation elsewhere in the document that represent LOINC question and answer pairs from SDOH screening instruments.

11. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:5564-32969) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="SPRT"** Has support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32971).
  - b. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:5564-33365).

**Table 325: Social History Type**

<p>Value Set: Social History Type urn:oid:2.16.840.1.113883.3.88.12.80.60 (Clinical Focus: Classification of SDOH data related to observations about people and how they live, learn, work, and play and their effects on health risks and outcomes),(Data Element Scope: The intent of this value set is to provide a categorization and/or "questions" with an associated "answer" or observation/value),(Inclusion Criteria: Selected SNOMED CT Observable Entity Codes),(Exclusion Criteria: NA)</p> <p>This value set was imported on 10/24/2024 with a version of Latest.</p> <p>Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.60/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.60/expansion</a></p>			
Code	Code System	Code System OID	Print Name
102487004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Environmental risk factor (observable entity)
105421008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Educational achievement (observable entity)
160476009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Social / personal history observable (observable entity)
228272008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Health-related behavior (observable entity)
229819007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tobacco use and exposure (observable entity)
256235009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Exercise (observable entity)
302160007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Household, family and support network detail (observable entity)
363908000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Details of drug misuse behavior (observable entity)
364393001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Nutritional observable (observable entity)
364703007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Employment detail (observable entity)
...			

**Figure 137: Social History Observation (NHCS V5) Example**

```
<observation classCode="OBS" moodCode="EVN">
<!-- [Updated C-CDA] Social History Observation (NHCS V5) -->
<templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2025-08-01"/>
  <id root="37f76c51-6411-4e1d-8a37-957fd49d2cef"/>
  <code code="160573003" displayName="Alcohol intake"
    codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT">
    <translation code="74013-4" codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC" displayName="Alcoholic drinks per day"/>
  </code>
  <statusCode code="completed"/>
  <effectiveTime>
    <low value="20120215"/>
  </effectiveTime>
  <value xsi:type="PQ" value="12" unit="/d"/>
</observation>
```

**Figure 138: Social Determinant of Health Social History Observation Example**

```
<!-- SDOH Social History Observation -->
<entry>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.38"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2022-06-01"/>
    <id extension="64020-Z9311" root="1.2.840.114350.1.13.6289.1.7.1.1040.1"/>
    <code code="160476009" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMEDCT" displayName="Social / personal history observable (observable
entity)">
      <translation code="8689-2" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="History of Social function"/>
    </code>
    <text>
      <reference value="#SocialHistory_3"/>
    </text>
    <statusCode code="completed"/>
    <effectiveTime value="20160412"/>
    <value xsi:type="CD" code="706875005" displayName="Insufficient food supply
(finding)"
      codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMEDCT">
        <originalText>
          <reference value="#SH3_SO"/>
        </originalText>
      </value>
    <author>
      <time value="20160412"/>
      <assignedAuthor>
        <id extension="10.1" root="1.2.840.114350.1.1"/>
      </assignedAuthor>
    </author>
  </observation>
</entry>
```

### 3.76.1 Basic Industry Observation (NHCS V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 326: Basic Industry Observation (NHCS V2) Contexts**

Contained By:	Contains:
<a href="#">NHCS Social History Section (V3)</a> (optional) <a href="#">Basic Occupation Observation (NHCS V2)</a> (optional)	

The C-CDA template, Basic Industry Observation, has been versioned in this guide to support USCDI-v3.

This template represents a simple observation about the type of business that compensates for work or assigns work to an unpaid worker or volunteer (e.g., U.S. Army, cement manufacturing, children and youth services). Multiple occupation industry observation instances in a single document or derived from multiple documents, represent a basic historical industry record.

Implementers should use the Basic Industry Observation template for conveying Industry in support of USCDI v3. It is recommended systems include the Basic Industry Observation in the Social History section. Implementers wishing to convey more advanced Industry detail may consider using [HL7 CDA® R2 Implementation Guide: C-CDA R2.1 Supplemental Templates for Occupational Data for Health](#) in addition to this Observation.

**Table 327: Basic Industry Observation (NHCS V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-33370</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-33371</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-33009</a>	
@root	1..1	SHALL		<a href="#">5564-33368</a>	2.16.840.1.113883.10.20.22.4.504
@extension	1..1	SHALL		<a href="#">5564-33369</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-33010</a>	
@code	1..1	SHALL		<a href="#">5564-33015</a>	86188-0
@codeSystem	1..1	SHALL		<a href="#">5564-33016</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">5564-33011</a>	
@code	1..1	SHALL		<a href="#">5564-33017</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL		<a href="#">5564-33372</a>	urn:oid:2.16.840.1.114222.4.117900 (Industry NAICS Detail (ODH))

1. Conforms to [Social History Observation \(NHCS V5\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01).
2. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-33370).
3. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-33371).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33009) such that it

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.504" (CONF:5564-33368).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33369).
- 5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-33010).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="86188-0" History of Occupation Industry (CONF:5564-33015).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 **STATIC**) (CONF:5564-33016).
- 6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-33011).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:5564-33017).
- 7. **SHALL** contain exactly one [1..1] **value**, which **SHALL** be selected from ValueSet [Industry NAICS Detail \(ODH\)](#) urn:oid:2.16.840.1.114222.4.11.7900 **DYNAMIC** (CONF:5564-33372).



**Table 328: Industry NAICS Detail (ODH)**

<p>Value Set: Industry NAICS Detail (ODH) urn:oid:2.16.840.1.114222.4.11.7900</p> <p>Concepts describing the kind of business that compensates the person for work (e.g., wages, training) or assigns work to a volunteer, as reported by the person. The kind of business is determined based on the primary business activity conducted by the company, organization, or individual (for those who are self-employed), or, for a military position, the self-reported branch of service. The value set was created by coding the NAICS index terms, which are relatable to the general public, to facilitate collection and validation by patients.</p> <p>A downloadable file available from the PHIN VADS ODH Hot Topics section is structured to support computer-assisted searching of this value set. The file also contains a crosswalk from the concepts in this value set to Occupation_CDC_Census value set concepts.</p> <p>Value Set Source:  <a href="https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7900">https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7900</a></p>			
Code	Code System	Code System OID	Print Name
311611.00000 1	PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327	Abattoirs [Animal (except Poultry) Slaughtering ]
621410.00000 2	PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327	Abortion clinics [Family Planning Centers ]
334519.00000 3	PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327	Abrasion testing machines manufacturing [Other Measuring and Controlling Device Manufacturing ]
339114.00000 4	PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327	Abrasive points, wheels, and disks, dental, manufacturing [Dental Equipment and Supplies Manufacturing ]
327910.00000 5	PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327	Abrasive products manufacturing [Abrasive Product Manufacturing]
212322.00000 6	PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327	Abrasive sand quarrying and/or beneficiating [Industrial Sand Mining ]
212399.00000 7	PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327	Abrasive stones (e.g., emery, grindstones, hones, pumice) mining and/or beneficiating [All Other Nonmetallic Mineral Mining ]
423840.00000 8	PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327	Abrasives merchant wholesalers [Industrial Supplies Merchant Wholesalers]
212399.00000 9	PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327	Abrasives, natural, mining and/or beneficiating [All Other Nonmetallic Mineral

			Mining ]
322121.000010	PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327	Absorbent paper stock manufacturing [Paper (except Newsprint) Mills ]
...			

**Figure 139: Basic Industry Occupation (NHCS V2) Example**

<pre> &lt;observation classCode="OBS" moodCode="EVN"&gt;   &lt;!-- [Updated C-CDA] Social History Observation (NHCS V5) --&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2025-08-01"/&gt;   &lt;!-- [Updated C-CDA 2.1] Basic Industry Observation (NHCS V2) --&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.504" extension="2025-08-01"/&gt;   &lt;id root="f4dce790-8328-11db-9fe1-0800200c9a47"/&gt;   &lt;code code="86188-0" codeSystem="2.16.840.1.113883.6.1"     codeSystemName="LOINC" displayName="History of occupation industry"/&gt;   &lt;statusCode code="completed"/&gt;   &lt;effectiveTime&gt;     &lt;!-- SHALL low/value. The low value reflects the start date of the stated industry --&gt;     &lt;low value="2009"/&gt;     &lt;!-- MAY high/value. The high value reflects the end date of the stated industry.     An absent high value means the industry is/was current at the time the     document was generated --&gt;     &lt;high value="202206"/&gt;   &lt;/effectiveTime&gt;   &lt;value xsi:type="CD" code="811111.001118"     displayName="Automotive repair and replacement shops, general [General     Automotive Repair]"     codeSystem="2.16.840.1.114222.4.5.327"     codeSystemName="Occupational Data for Health (ODH)"/&gt; &lt;/observation&gt; </pre>
---

### 3.76.2 Basic Occupation Observation (NHCS V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 329: Basic Occupation Observation (NHCS V2) Contexts**

Contained By:	Contains:
<a href="#">NHCS Social History Section (V3)</a> (optional)	<a href="#">Basic Industry Observation (NHCS V2)</a> (optional)

The C-CDA template, Basic Occupation Observation, has been versioned in this guide to support USCDI-v3.

This template represents a simple observation about the type of work (e.g., infantry, business analyst, social worker) of a person. The effectiveTime low and high represent the start and end times of a particular observation about an occupation. Multiple occupation observation instances in a single

document or derived from multiple documents, represent a basic historical occupation record. Implementers should use the Basic Occupation Observation template for conveying occupation information in support of USCDI v3. It is recommended systems include the Basic Industry Observation in the Social History section.

Implementers wishing to convey more advanced Occupation detail, such as employer, usual work (longest held), or other work related observations may consider using [HL7 CDA® R2 Implementation Guide: C-CDA R2.1 Supplemental Templates for Occupational Data for Health](#) in addition to this Observation.

**Table 330: Basic Occupation Observation (NHCS V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-33000</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-33001</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-33373</a>	
@root	1..1	SHALL		<a href="#">5564-33379</a>	2.16.840.1.113883.10.20.22.4.503
@extension	1..1	SHALL		<a href="#">5564-33380</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-33374</a>	
@code	1..1	SHALL		<a href="#">5564-33002</a>	11341-5
@codeSystem	1..1	SHALL		<a href="#">5564-33003</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">5564-33375</a>	
@code	1..1	SHALL		<a href="#">5564-33004</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">5564-33005</a>	
low	1..1	SHALL		<a href="#">5564-33007</a>	
high	0..1	MAY		<a href="#">5564-33008</a>	
value	1..1	SHALL		<a href="#">5564-33006</a>	urn:oid:2.16.840.1.114222.4.11.7901 (Occupation ONETSOC Detail (ODH))
subject	0..1	MAY		<a href="#">5564-33376</a>	
relatedSubject	1..1	SHALL		<a href="#">5564-33381</a>	
entryRelationship	0..1	SHOULD		<a href="#">5564-33377</a>	
@typeCode	1..1	SHALL		<a href="#">5564-33382</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">5564-33378</a>	<a href="#">Basic Industry Observation (NHCS V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01)</a>

1. Conforms to [Social History Observation \(NHCS V5\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01).
2. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-33000).
3. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-33001).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33373) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.503" (CONF:5564-33379).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33380).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-33374).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="11341-5" History of Occupation (CONF:5564-33002).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 **STATIC**) (CONF:5564-33003).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-33375).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:5564-33004).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-33005).

The low value reflects the start date of the recorded occupation.

- a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:5564-33007).

The high value reflects the end date of the recorded occupation. An absent high value means the occupation was current at the time the document was generated.

- b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:5564-33008).
8. **SHALL** contain exactly one [1..1] **value**, which **SHALL** be selected from ValueSet [Occupation ONETSOC Detail \(ODH\)](#) urn:oid:2.16.840.1.114222.4.11.7901 **DYNAMIC** (CONF:5564-33006).

Indicates that this observation is for a related person whose occupation may affect the patient.

9. **MAY** contain zero or one [0..1] **subject** (CONF:5564-33376).
  - a. The subject, if present, **SHALL** contain exactly one [1..1] **relatedSubject** (CONF:5564-33381).
10. **SHOULD** contain zero or one [0..1] **entryRelationship** (CONF:5564-33377) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33382).
  - b. **SHALL** contain exactly one [1..1] [Basic Industry Observation \(NHCS V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01) (CONF:5564-33378).

**Figure 140: Basic Occupation Observation (NHCS V2) Example**

```

<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA] Social History Observation (NHCS V5) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2025-08-01"/>
  <!-- [Updated C-CDA 2.1] Basic Occupation Observation (NHCS V2) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.503" extension="2025-08-01"/>
  <id root="f4dce790-8328-11db-9fe1-0800200c9a45"/>
  <code code="11341-5" codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC" displayName="History of occupation"/>
  <statusCode code="completed"/>
  <effectiveTime>
    <!-- SHALL low/value. The low value reflects the start date of the stated
    occupation -->
    <low value="2009"/>
    <!-- MAY high/value. The high value reflects the end date of the stated occupation.
    An absent high value means the occupation is/was current at the time the document was
    generated -->
    <high value="202206"/>
  </effectiveTime>
  <value xsi:type="CD" code="51-9191.00.002682"
    displayName="Automobile Brake Bonder [Adhesive Bonding Machine
    Operators and Tenders]"
    codeSystem="2.16.840.1.114222.4.5.327"
    codeSystemName="Occupational Data for Health (ODH)"/>
  <entryRelationship typeCode="REFR">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA] Social History Observation (NHCS V5) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.38"
        extension="2025-08-01"/>
      <!-- [Updated C-CDA 2.1] Basic Industry Observation (NHCS V2) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.504"
        extension="2025-08-01"/>
      ...
    </observation>
  </entryRelationship>
</observation>

```

### 3.76.3 Tribal Affiliation Observation (NHCS V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2025-08-01 (open)]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 331: Tribal Affiliation Observation (NHCS V2) Contexts**

Contained By:	Contains:
<a href="#">NHCS Social History Section (V3)</a> (optional)	

The C-CDA template, Tribal Affiliation Observation, has been versioned in this guide to support USCDI-v3.

This template represents the tribe or band that an individual associates with, within the United States. It is recommended systems include the Tribal Affiliation Observation in the Social History section. The tribe or band name is drawn from an HL7 code system that aligns with the Indian entities list, a list of tribes or bands recognized by and eligible to receive services from the United States Bureau of Indian Affairs. This template does not represent tribal enrollment.

Please see [Indian Entities Recognized by and Eligible To Receive Services From the United States Bureau of Indian Affairs](#).

**Table 332: Tribal Affiliation Observation (NHCS V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-33388</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-33389</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-33383</a>	
@root	1..1	SHALL		<a href="#">5564-33386</a>	2.16.840.1.113883.10.20.22.4.506
@extension	1..1	SHALL		<a href="#">5564-33387</a>	2025-08-01
code	1..1	SHALL		<a href="#">5564-33384</a>	
@code	1..1	SHALL		<a href="#">5564-33390</a>	95370-3
@codeSystem	1..1	SHALL		<a href="#">5564-8</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">5564-9</a>	
@code	1..1	SHALL		<a href="#">5564-10</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">5564-33385</a>	
low	1..1	SHALL NOT		<a href="#">5564-33391</a>	
width	1..1	SHALL NOT		<a href="#">5564-33392</a>	
high	1..1	SHALL NOT		<a href="#">5564-33393</a>	
center	1..1	SHALL NOT		<a href="#">5564-33394</a>	
value	1..1	SHALL		<a href="#">5564-12</a>	urn:oid:2.16.840.1.113883.1.111631 (TribalEntityUS)

1. Conforms to [Social History Observation \(NHCS V5\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01).

2. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-33388).
3. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-33389).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-33383) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.506" (CONF:5564-33386).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-33387).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-33384).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="95370-3" Tribal Affiliation (CONF:5564-33390).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 **STATIC**) (CONF:5564-8).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-9).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:5564-10).

The effectiveTime reflects a point in time observation when the current tribal affiliation status was observed.

7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-33385).

Note: This template represents a "snapshot in time" observation, simply reflecting the patient's tribal affiliation at the time of the observation. As a result, the effectiveTime is constrained to just a time stamp.

- a. This effectiveTime **SHALL NOT** contain exactly one [1..1] **low** (CONF:5564-33391).
  - b. This effectiveTime **SHALL NOT** contain exactly one [1..1] **width** (CONF:5564-33392).
  - c. This effectiveTime **SHALL NOT** contain exactly one [1..1] **high** (CONF:5564-33393).
  - d. This effectiveTime **SHALL NOT** contain exactly one [1..1] **center** (CONF:5564-33394).
8. **SHALL** contain exactly one [1..1] **value**, which **SHALL** be selected from ValueSet [TribalEntityUS](#) urn:oid:2.16.840.1.113883.1.11.11631 **DYNAMIC** (CONF:5564-12).



**Table 333: TribalEntityUS**

Value Set: TribalEntityUS urn:oid:2.16.840.1.113883.1.11.11631			
Indian entities recognized and eligible to receive services from the United States Bureau of Indian Affairs.			
Value Set Source: <a href="http://terminology.hl7.org/ValueSet/v3-TribalEntityUS">http://terminology.hl7.org/ValueSet/v3-TribalEntityUS</a>			
Code	Code System	Code System OID	Print Name
338	TribalEntityUS	urn:oid:2.16.840.1.113883.5.140	Native Village of Afognak
339	TribalEntityUS	urn:oid:2.16.840.1.113883.5.140	Agdaagux Tribe of King Cove
340	TribalEntityUS	urn:oid:2.16.840.1.113883.5.140	Native Village of Akhiok
341	TribalEntityUS	urn:oid:2.16.840.1.113883.5.140	Akiachak Native Community
342	TribalEntityUS	urn:oid:2.16.840.1.113883.5.140	Akiak Native Community
343	TribalEntityUS	urn:oid:2.16.840.1.113883.5.140	Native Village of Akutan
344	TribalEntityUS	urn:oid:2.16.840.1.113883.5.140	Village of Alakanuk
345	TribalEntityUS	urn:oid:2.16.840.1.113883.5.140	Alatna Village
346	TribalEntityUS	urn:oid:2.16.840.1.113883.5.140	Native Village of Aleknagik
347	TribalEntityUS	urn:oid:2.16.840.1.113883.5.140	Algaaciq Native Village (St. Mary's)
...			

**Figure 141: Tribal Affiliation (NHCS V2) Example**

<pre> &lt;observation classCode="OBS" moodCode="EVN"&gt;   &lt;!-- [Updated C-CDA] Social History Observation (NHCS V5) --&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2025-08-01"/&gt;   &lt;!-- [Updated C-CDA] Tribal Affiliation Observation (NHCS V2) --&gt;   &lt;templateId root="2.16.840.1.113883.10.20.22.4.506" extension="2025-08-01"/&gt;   &lt;id root="c6b5a04b-2bf4-49d1-8336-636a3813df0bc"/&gt;   &lt;code code="95370-3" codeSystem="2.16.840.1.113883.6.1"     codeSystemName="LOINC" displayName="Tribal affiliation"/&gt;   &lt;statusCode code="completed"/&gt;   &lt;!-- The effectiveTime reflects when the current tribal affiliation status was observed. --&gt;   &lt;effectiveTime value="20230501"/&gt;   &lt;value xsi:type="CD" code="68"     displayName="Cow Creek Band of Umpqua Tribe of Indians"     codeSystem="2.16.840.1.113883.5.140" codeSystemName="TribalEntityUS"/&gt; &lt;/observation&gt; </pre>
--

### 3.77 Substance Administered Act

[act: identifier urn:oid:2.16.840.1.113883.10.20.22.4.118 (open)]

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DSTU R2

**Table 334: Substance Administered Act Contexts**

Contained By:	Contains:
<a href="#">Medication Activity (NHCS V3)</a> (optional) <a href="#">Immunization Activity (NHCS V4)</a> (optional)	

This template represents the administration course in a series. The entryRelationship/sequenceNumber in the containing template shows the order of this particular administration in that medication series.

**Table 335: Substance Administered Act Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.118)					
@classCode	1..1	SHALL		<a href="#">1098-31500</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">1098-31501</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-31502</a>	
@root	1..1	SHALL		<a href="#">1098-31503</a>	2.16.840.1.113883.10.20.22.4.118
id	1..*	SHALL		<a href="#">1098-31504</a>	
code	1..1	SHALL		<a href="#">1098-31506</a>	
@code	1..1	SHALL		<a href="#">1098-31507</a>	416118004
@codeSystem	1..1	SHALL		<a href="#">1098-31508</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96
statusCode	1..1	SHALL		<a href="#">1098-31505</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	0..1	MAY		<a href="#">1098-31509</a>	

1. **SHALL** contain exactly one [1..1] @classCode="ACT" Act (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1098-31500).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:1098-31501).
3. **SHALL** contain exactly one [1..1] templateId (CONF:1098-31502) such that it

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.118" (CONF:1098-31503).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-31504).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-31506).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="416118004" Administration (CONF:1098-31507).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:1098-31508).
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1098-31505).
7. **MAY** contain zero or one [0..1] **effectiveTime** (CONF:1098-31509).

**Figure 142: Substance Administered Act Example**

```

<substanceAdministration classCode="SBADM" moodCode="EVN">
  ...
  <consumable>
    ...
    <code code="43" codeSystem="2.16.840.1.113883.12.292" displayName="Hepatitis B
Vaccine" codeSystemName="CVX" />
  </consumable>
  <entryRelationship typeCode="COMP">
    <!-- This entryRelationship sequenceNumber indicates this is #2 in the series -->
    <sequenceNumber value="2" />
    <act classCode="ACT" moodCode="EVN">
      <!-- Substance Administered Act Template -->
      <templateId root="2.16.840.1.113883.10.20.22.4.118" />
      <id root="df8908d0-40f2-11e3-aa6e-0800200c9a66" />
      <code code="416118004" displayName="administration"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED-CT" />
      <statusCode code="completed" />
      <effectiveTime value="19991101" />
    </act>
  </entryRelationship>
  ...
</substanceAdministration>

```

### 3.78 Substance or Device Allergy - Intolerance Observation (NHCS V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01 (open) ]

Draft as part of National Health Care Surveys, Release 1, STU 4 - US Realm

**Table 336: Substance or Device Allergy - Intolerance Observation (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Severity Observation (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Criticality Observation</a> (optional) <a href="#">Allergy Status Observation</a> (optional) <a href="#">Reaction Observation (NHCS V3)</a> (optional)

The C-CDA template, Substance or Device Allergy - Intolerance Observation (V2), has been versioned in this guide to support USCDI-v3.

This template reflects a discrete observation about a patient's allergy or intolerance to a substance or device. Because it is a discrete observation, it will have a statusCode of "completed". The effectiveTime, also referred to as the 'clinically relevant time' is the time at which the observation holds for the patient. For a provider seeing a patient in the clinic today, observing a history of penicillin allergy that developed five years ago, the effectiveTime is five years ago.

The effectiveTime of the Substance or Device Allergy - Intolerance Observation is the definitive indication of whether or not the underlying allergy/intolerance is resolved. If known to be resolved, then an effectiveTime/high would be present. If the date of resolution is not known, then effectiveTime/high will be present with a nullFlavor of "UNK".

**Table 337: Substance or Device Allergy - Intolerance Observation (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-16303</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-16304</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">5564-16305</a>	
@root	1..1	SHALL		<a href="#">5564-16306</a>	2.16.840.1.113883.10.20.24.3.90
@extension	1..1	SHALL		<a href="#">5564-32527</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-16307</a>	
code	1..1	SHALL		<a href="#">5564-16345</a>	
@code	1..1	SHALL		<a href="#">5564-16346</a>	ASSERTION
@codeSystem	1..1	SHALL		<a href="#">5564-32171</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
statusCode	1..1	SHALL		<a href="#">5564-16308</a>	
@code	1..1	SHALL		<a href="#">5564-26354</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">5564-16309</a>	
low	1..1	SHALL		<a href="#">5564-31536</a>	
high	0..1	MAY		<a href="#">5564-31537</a>	
value	1..1	SHALL	CD	<a href="#">5564-16312</a>	
@code	1..1	SHALL	CS	<a href="#">5564-16317</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.6.2 (Allergy and Intolerance Type)
author	0..*	SHOULD		<a href="#">5564-31144</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	0..*	SHOULD		<a href="#">5564-16318</a>	
@typeCode	1..1	SHALL		<a href="#">5564-16319</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = CSM

XPath	Card.	Verb	Data Type	CONF#	Value
participantRole	1..1	SHALL		<a href="#">5564-16320</a>	
@classCode	1..1	SHALL		<a href="#">5564-16321</a>	urn:oid:2.16.840.1.113883.5.110 (HL7RoleClass) = MANU
playingEntity	1..1	SHALL		<a href="#">5564-16322</a>	
@classCode	1..1	SHALL		<a href="#">5564-16323</a>	urn:oid:2.16.840.1.113883.5.41 (HL7EntityClass) = MMAT
code	1..1	SHALL		<a href="#">5564-16324</a>	urn:oid:2.16.840.1.113762.1.4.1010.1 (Substance Reactant for Intolerance)
entryRelationship	0..1	MAY		<a href="#">5564-16333</a>	
@typeCode	1..1	SHALL		<a href="#">5564-16335</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-16334</a>	true
observation	1..1	SHALL		<a href="#">5564-16336</a>	<a href="#">Allergy Status Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20)</a>
entryRelationship	0..*	SHOULD		<a href="#">5564-16337</a>	
@typeCode	1..1	SHALL		<a href="#">5564-16339</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = MFST
@inversionInd	1..1	SHALL		<a href="#">5564-16338</a>	true
observation	1..1	SHALL		<a href="#">5564-16340</a>	<a href="#">Reaction Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01)</a>
entryRelationship	0..1	SHOULD NOT		<a href="#">5564-16341</a>	
@typeCode	1..1	SHALL		<a href="#">5564-16342</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-16343</a>	true
observation	1..1	SHALL		<a href="#">5564-16344</a>	<a href="#">Severity Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09)</a>
entryRelationship	0..1	SHOULD		<a href="#">5564-32935</a>	
@typeCode	1..1	SHALL		<a href="#">5564-</a>	urn:oid:2.16.840.1.113883.5.1

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">32936</a>	002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-32937</a>	true
observation	1..1	SHALL		<a href="#">5564-32938</a>	<a href="#">Criticality Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.145)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-16303).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-16304).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:5564-16305) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.24.3.90" (CONF:5564-16306).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2025-08-01" (CONF:5564-32527).
4. **SHALL** contain at least one [1..\*] **id** (CONF:5564-16307).
5. **SHALL** contain exactly one [1..1] **code** (CONF:5564-16345).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="ASSERTION" Assertion (CONF:5564-16346).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.5.4" (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:5564-32171).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:5564-16308).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:5564-26354).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:5564-16309).  
 Note: The effectiveTime/low (a.k.a. "onset date") asserts when the allergy/intolerance became clinically active. The effectiveTime/high (a.k.a. "resolution date") asserts when the allergy/intolerance became clinically resolved. If the allergy/intolerance is known to be resolved, but the date of resolution is not known, then the high element SHALL be present, and the nullFlavor attribute SHALL be set to 'UNK'.
  - a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:5564-31536).
  - b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:5564-31537).
8. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD" (CONF:5564-16312).
  - a. This value **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet [Allergy and Intolerance Type](#) urn:oid:2.16.840.1.113883.3.88.12.3221.6.2 **DYNAMIC** (CONF:5564-16317).  
 Note: Many systems will simply assign a fixed value here (e.g., "allergy to substance").

9. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:5564-31144).
10. **SHOULD** contain zero or more [0..\*] **participant** (CONF:5564-16318) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="CSM"** Consumable (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:5564-16319).
  - b. **SHALL** contain exactly one [1..1] **participantRole** (CONF:5564-16320).
    - i. This participantRole **SHALL** contain exactly one [1..1] **@classCode="MANU"** Manufactured Product (CodeSystem: HL7RoleClass urn:oid:2.16.840.1.113883.5.110 **STATIC**) (CONF:5564-16321).
    - ii. This participantRole **SHALL** contain exactly one [1..1] **playingEntity** (CONF:5564-16322).
      1. This playingEntity **SHALL** contain exactly one [1..1] **@classCode="MMAT"** Manufactured Material (CodeSystem: HL7EntityClass urn:oid:2.16.840.1.113883.5.41 **STATIC**) (CONF:5564-16323).
      2. This playingEntity **SHALL** contain exactly one [1..1] **code**, which **MAY** be selected from ValueSet [Substance Reactant for Intolerance](#) urn:oid:2.16.840.1.113762.1.4.1010.1 **DYNAMIC** (CONF:5564-16324).
11. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-16333) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-16335).
  - b. **SHALL** contain exactly one [1..1] **@inversionInd="true"** True (CONF:5564-16334).
  - c. **SHALL** contain exactly one [1..1] [Allergy Status Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20) (CONF:5564-16336).
12. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:5564-16337) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="MFST"** Is Manifestation of (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-16339).
  - b. **SHALL** contain exactly one [1..1] **@inversionInd="true"** True (CONF:5564-16338).
  - c. **SHALL** contain exactly one [1..1] [Reaction Observation \(NHCS V3\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01) (CONF:5564-16340).
13. **SHOULD NOT** contain zero or one [0..1] **entryRelationship** (CONF:5564-16341) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode="SUBJ"** Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-16342).
  - b. **SHALL** contain exactly one [1..1] **@inversionInd="true"** True (CONF:5564-16343).
  - c. **SHALL** contain exactly one [1..1] [Severity Observation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09) (CONF:5564-16344).
14. **SHOULD** contain zero or one [0..1] **entryRelationship** (CONF:5564-32935) such that it



- a. **SHALL** contain exactly one [1..1] @typeCode="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32936).
- b. **SHALL** contain exactly one [1..1] @inversionInd="true" True (CONF:5564-32937).
- c. **SHALL** contain exactly one [1..1] Criticality Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.145) (CONF:5564-32938).

**Table 338: Allergy and Intolerance Type**

Value Set: Allergy and Intolerance Type urn:oid:2.16.840.1.113883.3.88.12.3221.6.2 (Clinical Focus: The class of substance and intolerance suffered by the patient),(Data Element Scope: Describes any medication allergies, adverse reactions, idiosyncratic reactions, anaphylaxis/anaphylactoid reactions to food items, and metabolic variations or adverse reactions/allergies to other substances (such as latex, iodine, tape adhesives)),(Inclusion Criteria: ),(Exclusion Criteria: )  This value set was imported on 6/24/2019 with a version of 20190319. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.6.2/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.6.2/expansion</a>			
Code	Code System	Code System OID	Print Name
235719002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Intolerance to food (finding)
414285001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Allergy to food (finding)
416098002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Allergy to drug (finding)
418038007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Propensity to adverse reactions to substance (finding)
418471000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Propensity to adverse reactions to food (disorder)
419199007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Allergy to substance (finding)
419511003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Propensity to adverse reactions to drug (finding)
420134006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Propensity to adverse reaction (finding)
59037007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Intolerance to drug (finding)

**Table 339: Substance Reactant for Intolerance**

<p>Value Set: Substance Reactant for Intolerance urn:oid:2.16.840.1.113762.1.4.1010.1</p> <p>(Clinical Focus: A substance or other type of agent (eg. Sunshine) that may be associated with an intolerance reaction event or a propensity to such an event. These concepts are expected to be at a more general level of abstraction (ingredients versus more specific formulations). This value set is quite general and includes concepts that may never cause an adverse event, particularly the included SNOMED CT concepts. This code system-specific value sets in this grouping value set are intended to provide broad coverage of all kinds of agents, but the expectation for use is that the chosen concept identifier for a substance should be appropriately specific and drawn from the available code systems in the following priority order: NDFRT, then RXNORM, then UNII, then SNOMEDCT. UNII is not included in the initial version. This overarching grouping value set is intended to support identification of drug classes, individual medication ingredients, foods, general substances and environmental entities.),(Data Element Scope: substance elements),(Inclusion Criteria: Any concept that could at some point cause an allergy or intolerance. Intended to include following value sets: Medication Clinical Drug (RxNorm), Clinical Drug Class (NDF-RT), Substance Other Than Clinical Drug (SNOMED CT). It was originally to also include all UNII codes but this will not be included initially.),(Exclusion Criteria: non-substance)</p> <p>This value set was imported on 6/29/2019 with a version of 20190620.</p> <p>Value Set Source:  <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.1/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.1/expansion</a></p>			
Code	Code System	Code System OID	Print Name
1000082	RxNorm	urn:oid:2.16.840.1.113883.6.88	alcaftadine
1000086	RxNorm	urn:oid:2.16.840.1.113883.6.88	Lastacraft
1000104	RxNorm	urn:oid:2.16.840.1.113883.6.88	incobotulinumtoxinA
1000108	RxNorm	urn:oid:2.16.840.1.113883.6.88	Xeomin
1000112	RxNorm	urn:oid:2.16.840.1.113883.6.88	medroxyprogesterone acetate
1000146	RxNorm	urn:oid:2.16.840.1.113883.6.88	estradiol cypionate
1000492	RxNorm	urn:oid:2.16.840.1.113883.6.88	resveratrol
1000577	RxNorm	urn:oid:2.16.840.1.113883.6.88	microcrystalline cellulose
1000581	RxNorm	urn:oid:2.16.840.1.113883.6.88	Trichlorfon
1000705	RxNorm	urn:oid:2.16.840.1.113883.6.88	Benzalkonium / Tolnaftate
...			

**Figure 143: Substance or Device Allergy - Intolerance Observation (NHCS V3) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA] Substance or Device Allergy - Intolerance Observation (NHCS V3)
-->
  <templateId root="2.16.840.1.113883.10.20.24.3.90" extension="2025-08-01"/>
  <id root="4a2ac5fc-0c85-4223-baee-c2e254803979"/>
  <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4"/>
  <statusCode code="completed"/>
  <!-- The effectiveTime/low is the "onset date" when the allergy/intolerance
    became clinically active. -->
  <effectiveTime>
    <low value="20140103"/>
  </effectiveTime>
  <value xsi:type="CD" code="418038007"
    displayName="Propensity to adverse reactions to substance (disorder)"
    codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT"/>
  <author>
    <!-- [C-CDA R2] Author Participation -->
    <templateId root="2.16.840.1.113883.10.20.22.4.119"/>
    ...
  </author>
  <participant typeCode="CSM">
    <participantRole classCode="MANU">
      <playingEntity classCode="MMAT">
        <code code="111088007"
          displayName="Latex"
          codeSystem="2.16.840.1.113883.6.96"
          codeSystemName="SNOMED CT"> </code>
      </playingEntity>
    </participantRole>
  </participant>
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA R2.1] Allergy Status Observation -->
      <templateId root="2.16.840.1.113883.10.20.22.4.28" extension="2019-06-20"/>
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="MFST" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA] Reaction Observation (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.9" extension="2025-08-01"/>
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA] Criticality Observation -->
      <templateId root="2.16.840.1.113883.10.20.22.4.145"/>
      ...
    </observation>
  </entryRelationship>
</observation>
```

### 3.78.1 Allergy - Intolerance Observation (NHCS V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01  
(open) ]

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**Table 340: Allergy - Intolerance Observation (NHCS V3) Contexts**

Contained By:	Contains:
<a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Allergy Concern Act (NHCS V4)</a> (required)	<a href="#">Severity Observation (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Criticality Observation</a> (optional) <a href="#">Allergy Status Observation</a> (optional) <a href="#">Reaction Observation (NHCS V3)</a> (optional)

The C-CDA template, Allergy - Intolerance Observation (V2), has been versioned in this guide to support USCDI-v3.

This template reflects a discrete observation about a patient's allergy or intolerance. Because it is a discrete observation, it will have a statusCode of "completed". The effectiveTime, also referred to as the "clinically relevant time" is the time at which the observation holds for the patient. For a provider seeing a patient in the clinic today, observing a history of penicillin allergy that developed five years ago, the effectiveTime is five years ago.

The effectiveTime of the Allergy - Intolerance Observation is the definitive indication of whether or not the underlying allergy/intolerance is resolved. If known to be resolved, then an effectiveTime/high would be present. If the date of resolution is not known, then effectiveTime/high will be present with a nullFlavor of "UNK".

The agent responsible for an allergy or adverse reaction is not always a manufactured material (for example, food allergies), nor is it necessarily consumed. The following constraints reflect limitations in the base CDA R2 specification, and should be used to represent any type of responsible agent, i.e., use playingEntity classCode = "MMAT" for all agents, manufactured or not.

**Table 341: Allergy - Intolerance Observation (NHCS V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01)					
@classCode	1..1	SHALL		<a href="#">5564-7379</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">5564-7380</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
@negationInd	0..1	MAY		<a href="#">5564-31526</a>	
templateId	1..1	SHALL		<a href="#">5564-7381</a>	
@root	1..1	SHALL		<a href="#">5564-10488</a>	2.16.840.1.113883.10.20.22.4.7
@extension	1..1	SHALL		<a href="#">5564-32526</a>	2025-08-01
id	1..*	SHALL		<a href="#">5564-7382</a>	
code	1..1	SHALL		<a href="#">5564-15947</a>	
@code	1..1	SHALL		<a href="#">5564-15948</a>	ASSERTION
@codeSystem	1..1	SHALL		<a href="#">5564-32153</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
statusCode	1..1	SHALL		<a href="#">5564-19084</a>	
@code	1..1	SHALL		<a href="#">5564-19085</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">5564-7387</a>	
low	1..1	SHALL		<a href="#">5564-31538</a>	
high	0..1	MAY		<a href="#">5564-31539</a>	
value	1..1	SHALL	CD	<a href="#">5564-7390</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.6.2 (Allergy and Intolerance Type)
author	0..*	SHOULD		<a href="#">5564-31143</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
participant	1..1	SHALL		<a href="#">5564-7402</a>	
@typeCode	1..1	SHALL		<a href="#">5564-7403</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = CSM

XPath	Card.	Verb	Data Type	CONF#	Value
participantRole	1..1	SHALL		<a href="#">5564-7404</a>	
@classCode	1..1	SHALL		<a href="#">5564-7405</a>	urn:oid:2.16.840.1.113883.5.110 (HL7RoleClass) = MANU
playingEntity	1..1	SHALL		<a href="#">5564-7406</a>	
@classCode	1..1	SHALL		<a href="#">5564-7407</a>	urn:oid:2.16.840.1.113883.5.41 (HL7EntityClass) = MMAT
code	1..1	SHALL		<a href="#">5564-7419</a>	urn:oid:2.16.840.1.113762.1.4.1010.1 (Substance Reactant for Intolerance)
entryRelationship	0..1	MAY		<a href="#">5564-32939</a>	
@typeCode	1..1	SHALL		<a href="#">5564-32940</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-32941</a>	true
observation	1..1	SHALL		<a href="#">5564-32942</a>	<a href="#">Allergy Status Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20)</a>
entryRelationship	0..1	SHOULD NOT		<a href="#">5564-9961</a>	
@typeCode	1..1	SHALL		<a href="#">5564-9962</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-9964</a>	true
observation	1..1	SHALL		<a href="#">5564-15956</a>	<a href="#">Severity Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09)</a>
entryRelationship	0..*	SHOULD		<a href="#">5564-7447</a>	
@typeCode	1..1	SHALL		<a href="#">5564-7907</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = MFST
@inversionInd	1..1	SHALL		<a href="#">5564-7449</a>	true
observation	1..1	SHALL		<a href="#">5564-15955</a>	<a href="#">Reaction Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01)</a>
entryRelationship	0..1	SHOULD		<a href="#">5564-32910</a>	
@typeCode	1..1	SHALL		<a href="#">5564-</a>	urn:oid:2.16.840.1.113883.5.1

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">32911</a>	002 (HL7ActRelationshipType) = SUBJ
@inversionInd	1..1	SHALL		<a href="#">5564-32912</a>	true
observation	1..1	SHALL		<a href="#">5564-32913</a>	<a href="#">Criticality Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.145)</a>

1. Conforms to [Substance or Device Allergy - Intolerance Observation \(NHCS V3\)](#) template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01).
2. **SHALL** contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:5564-7379).
3. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:5564-7380).
4. **MAY** contain zero or one [0..1] @negationInd (CONF:5564-31526).  
Note: Use negationInd="true" to indicate that the allergy was not observed.
5. **SHALL** contain exactly one [1..1] templateId (CONF:5564-7381) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.7" (CONF:5564-10488).
  - b. **SHALL** contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32526).
6. **SHALL** contain at least one [1..\*] id (CONF:5564-7382).
7. **SHALL** contain exactly one [1..1] code (CONF:5564-15947).
  - a. This code **SHALL** contain exactly one [1..1] @code="ASSERTION" Assertion (CONF:5564-15948).
  - b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.5.4" (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:5564-32153).
8. **SHALL** contain exactly one [1..1] statusCode (CONF:5564-19084).
  - a. This statusCode **SHALL** contain exactly one [1..1] @code="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:5564-19085).
9. **SHALL** contain exactly one [1..1] effectiveTime (CONF:5564-7387).  
Note: If the allergy/intolerance is known to be resolved, but the date of resolution is not known, then the high element SHALL be present, and the nullFlavor attribute SHALL be set to 'UNK'.
  - a. This effectiveTime **SHALL** contain exactly one [1..1] low (CONF:5564-31538).  
Note: The effectiveTime/low (a.k.a. "onset date") asserts when the allergy/intolerance became clinically active.
  - b. This effectiveTime **MAY** contain zero or one [0..1] high (CONF:5564-31539).  
Note: The effectiveTime/high (a.k.a. "resolution date") asserts when the allergy/intolerance became clinically resolved.

10. **SHALL** contain exactly one [1..1] **value** with `@xsi:type="CD"`, where the code **SHALL** be selected from ValueSet [Allergy and Intolerance Type](#) `urn:oid:2.16.840.1.113883.3.88.12.3221.6.2` **DYNAMIC** (CONF:5564-7390).  
Note: The consumable participant points to the precise allergen or substance of intolerance. Because the consumable and the reaction are more clinically relevant than a categorization of the allergy/adverse event type, many systems will simply assign a fixed value here (e.g., "allergy to substance").
11. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: `urn:oid:2.16.840.1.113883.10.20.22.4.119`) (CONF:5564-31143).
12. **SHALL** contain exactly one [1..1] **participant** (CONF:5564-7402) such that it
  - a. **SHALL** contain exactly one [1..1] `@typeCode="CSM"` Consumable (CodeSystem: `HL7ParticipationType urn:oid:2.16.840.1.113883.5.90` **STATIC**) (CONF:5564-7403).
  - b. **SHALL** contain exactly one [1..1] **participantRole** (CONF:5564-7404).
    - i. This **participantRole** **SHALL** contain exactly one [1..1] `@classCode="MANU"` Manufactured Product (CodeSystem: `HL7RoleClass urn:oid:2.16.840.1.113883.5.110` **STATIC**) (CONF:5564-7405).
    - ii. This **participantRole** **SHALL** contain exactly one [1..1] **playingEntity** (CONF:5564-7406).
      1. This **playingEntity** **SHALL** contain exactly one [1..1] `@classCode="MMAT"` Manufactured Material (CodeSystem: `HL7EntityClass urn:oid:2.16.840.1.113883.5.41` **STATIC**) (CONF:5564-7407).
      2. This **playingEntity** **SHALL** contain exactly one [1..1] **code**, which **SHALL** be selected from ValueSet [Substance Reactant for Intolerance](#) `urn:oid:2.16.840.1.113762.1.4.1010.1` **DYNAMIC** (CONF:5564-7419).
13. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:5564-32939) such that it
  - a. **SHALL** contain exactly one [1..1] `@typeCode="SUBJ"` Has subject (CodeSystem: `HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002`) (CONF:5564-32940).
  - b. **SHALL** contain exactly one [1..1] `@inversionInd="true"` True (CONF:5564-32941).
  - c. **SHALL** contain exactly one [1..1] [Allergy Status Observation](#) (identifier: `urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20`) (CONF:5564-32942).
14. **SHOULD NOT** contain zero or one [0..1] **entryRelationship** (CONF:5564-9961) such that it
  - a. **SHALL** contain exactly one [1..1] `@typeCode="SUBJ"` Has Subject (CodeSystem: `HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002` **STATIC**) (CONF:5564-9962).
  - b. **SHALL** contain exactly one [1..1] `@inversionInd="true"` True (CONF:5564-9964).
  - c. **SHALL** contain exactly one [1..1] [Severity Observation \(V2\)](#) (identifier: `urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09`) (CONF:5564-15956).
15. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:5564-7447) such that it



- a. **SHALL** contain exactly one [1..1] @**typeCode**="MFST" Is Manifestation of (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:5564-7907).
  - b. **SHALL** contain exactly one [1..1] @**inversionInd**="true" True (CONF:5564-7449).
  - c. **SHALL** contain exactly one [1..1] Reaction Observation (NHCS V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01) (CONF:5564-15955).
16. **SHOULD** contain zero or one [0..1] **entryRelationship** (CONF:5564-32910) such that it
- a. **SHALL** contain exactly one [1..1] @**typeCode**="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-32911).
  - b. **SHALL** contain exactly one [1..1] @**inversionInd**="true" True (CONF:5564-32912).
  - c. **SHALL** contain exactly one [1..1] Criticality Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.145) (CONF:5564-32913).

**Figure 144: Allergy - Intolerance Observation (NHCS V3) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- [Updated C-CDA] Substance or Device Allergy - Intolerance Observation (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.24.3.90" extension="2025-08-01"/>
  <!-- [Updated C-CDA] Allergy - Intolerance Observation (NHCS V3) -->
  <templateId root="2.16.840.1.113883.10.20.22.4.7" extension="2025-08-01"/>
  <id root="901db0f8-9355-4794-81cd-fd951ef07917" />
  <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
  <!-- Observation statusCode represents the status of the act of observing -->
  <statusCode code="completed" />
  <effectiveTime>
    <!-- The low value reflects the date of onset of the allergy -->
    <low nullFlavor="UNK" />
    <!-- The high value reflects when the allergy was known to be resolved
    (and will generally be absent) -->
  </effectiveTime>
  <value xsi:type="CD" code="419199007" displayName="Allergy to substance"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" />
  <author>
    <time value="201010110915-0800" />
    <assignedAuthor>
      <id extension="222223333" root="1.1.1.1.1.1.3" />
    </assignedAuthor>
  </author>
  <participant typeCode="CSM">
    <participantRole classCode="MANU">
      <playingEntity classCode="MMAT">
        <code code="2670" displayName="Codeine" codeSystem="2.16.840.1.113883.6.88"
codeSystemName="RxNorm" />
      </playingEntity>
    </participantRole>
  </participant>
  <entryRelationship typeCode="MFST" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [Updated C-CDA] Reaction Observation (NHCS V3) -->
      <templateId root="2.16.840.1.113883.10.20.22.4.9" extension="2025-08-01"/>
      <id root="38c63dea-1a43-4f84-ab71-1ffd04f6a1dd" />
      <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
      <text>
        <reference value="#reaction2" />
      </text>
      <statusCode code="completed" />
      <effectiveTime>
        <low nullFlavor="UNK" />
      </effectiveTime>
      <value xsi:type="CD" code="56018004" displayName="Wheezing"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" />
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <!-- [C-CDA] Criticality Observation -->
      <templateId root="2.16.840.1.113883.10.20.22.4.145" />
      ...
    </observation>
```

```
</entryRelationship>  
</observation>
```

### 3.79 Tobacco Use (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09  
(open) ]

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DSTU R2

**Table 342: Tobacco Use (V2) Contexts**

Contained By:	Contains:
<a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Social History Section (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional)

This template represents a patient's tobacco use.

All the types of tobacco use are represented using the codes from the tobacco use and exposure-finding hierarchy in SNOMED CT, including codes required for recording smoking status in Meaningful Use Stage 2.

The effectiveTime element is used to describe dates associated with the patient's tobacco use. Whereas the Smoking Status - Meaningful Use (V2) template (2.16.840.1.113883.10.20.22.4.78:2014-06-09) represents a "snapshot in time" observation, simply reflecting what the patient's current smoking status is at the time of the observation, this Tobacco Use template uses effectiveTime to represent the clinically relevant time of the observation. Thus, to record a former smoker, an observation of "cigarette smoker" will have an effectiveTime/low defining the time the patient started to smoke cigarettes and an effectiveTime/high defining the time the patient ceased to smoke cigarettes. To record a current smoker, the effectiveTime/low will define the time the patient started smoking and will have no effectiveTime/high to indicated that the patient is still smoking.

**Table 343: Tobacco Use (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-16558</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-16559</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-16566</a>	
@root	1..1	SHALL		<a href="#">1098-16567</a>	2.16.840.1.113883.10.20.22.4.85
@extension	1..1	SHALL		<a href="#">1098-32589</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-32400</a>	
code	1..1	SHALL		<a href="#">1098-19174</a>	
@code	1..1	SHALL		<a href="#">1098-19175</a>	11367-0
@codeSystem	1..1	SHALL		<a href="#">1098-32172</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">1098-16561</a>	
@code	1..1	SHALL		<a href="#">1098-19118</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1098-16564</a>	
low	1..1	SHALL		<a href="#">1098-16565</a>	
high	0..1	MAY		<a href="#">1098-31431</a>	
value	1..1	SHALL	CD	<a href="#">1098-16562</a>	urn:oid:2.16.840.1.113883.11.20.9.41 (Tobacco Use)
author	0..*	SHOULD		<a href="#">1098-31152</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>

1. **SHALL** contain exactly one [1..1] @classCode="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-16558).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-16559).
3. **SHALL** contain exactly one [1..1] templateId (CONF:1098-16566) such that it

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.85" (CONF:1098-16567).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32589).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-32400).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-19174).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="11367-0" History of tobacco use (CONF:1098-19175).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-32172).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-16561).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-19118).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-16564).  
 Note: The effectiveTime represents the clinically relevant time of the observation. A "former smoker" is recorded with the proper code "current smoker" with an effectiveTime/low and effectiveTime/high defining the time during which the patient was a smoker.
  - a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:1098-16565).
  - b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:1098-31431).
8. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD", where the code **SHALL** be selected from ValueSet [Tobacco Use](#) urn:oid:2.16.840.1.113883.11.20.9.41 **DYNAMIC** (CONF:1098-16562).
9. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-31152).

**Table 344: Tobacco Use**

Value Set: Tobacco Use urn:oid:2.16.840.1.113883.11.20.9.41 (Clinical Focus: Detailed classification of a patient's smoking behavior),(Data Element Scope: Condition),(Inclusion Criteria: Contains all values descending from the SNOMED CT 365980008 tobacco use and exposure - finding hierarchy excluding temporal findings such as 'Former Smoker' 'Never Chewed', etc'),(Exclusion Criteria: )  This value set was imported on 6/29/2019 with a version of 20190319. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.41/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.41/expansion</a>			
Code	Code System	Code System OID	Print Name
10761391000 119102	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tobacco use in mother complicating childbirth (finding)
110483000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tobacco user (finding)
134406006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Smoking reduced (finding)
160603005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Light cigarette smoker (1-9 cigs/day) (finding)
160604004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Moderate cigarette smoker (10-19 cigs/day) (finding)
160605003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Heavy cigarette smoker (20-39 cigs/day) (finding)
160606002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Very heavy cigarette smoker (40+ cigs/day) (finding)
160612007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Keeps trying to stop smoking (finding)
160613002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Admitted tobacco consumption possibly untrue (finding)
160614008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tobacco consumption unknown (finding)
...			

**Figure 145: Tobacco Use (V2) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <!-- ** Tobacco use ** -->
  <templateId root="2.16.840.1.113883.10.20.22.4.85" extension="2014-06-09" />
  <id root="45efb604-7049-4a2e-ad33-d38556c9636c" />
  <code code="11367-0" codeSystem="2.16.840.1.113883.6.1" displayName="History of tobacco
use" />
  <statusCode code="completed" />
  <effectiveTime>
    <!-- The low value reflects the start date of the observation/value (moderate
smoker) -->
    <low value="20090214" />
    <!-- The high value reflects the end date of the observation/value (moderate
smoker) -->
    <high value="20110215" />
  </effectiveTime>
  <value xsi:type="CD" code="160604004" displayName="Moderate cigarette smoker, 10-
19/day" codeSystem="2.16.840.1.113883.6.96" />
  <author typeCode="AUT">
    <time value="201209101145-0800" />
    <assignedAuthor>
      <id extension="555555555" root="1.1.1.1.1.1.2" />
    </assignedAuthor>
  </author>
</observation>
```

**3.80 UDI Organizer**

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21  
(open)]

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and supporting templates

**Table 345: UDI Organizer Contexts**

Contained By:	Contains:
<a href="#">Non-Medicinal Supply Activity (UDI)</a> (optional) <a href="#">Procedure Activity Procedure (UDI) (V2)</a> (optional)	<a href="#">Distinct Identification Code Observation</a> (optional) <a href="#">Serial Number Observation</a> (optional) <a href="#">Expiration Date Observation</a> (optional) <a href="#">Brand Name Observation</a> (optional) <a href="#">Model Number Observation</a> (optional) <a href="#">Device Identifier Observation</a> (required) <a href="#">Catalog Number Observation</a> (optional) <a href="#">Company Name Observation</a> (optional) <a href="#">Lot or Batch Number Observation</a> (optional) <a href="#">Manufacturing Date Observation</a> (optional) <a href="#">MRI Safety Observation</a> (optional) <a href="#">Latex Safety Observation</a> (optional) <a href="#">Implantable Device Status Observation</a> (optional)

This template is nested in an entryRelationship/Procedure Activity Procedure to record all the UDI-related templates to exchange the parsed UDI data elements and associated data.

- **Device Identifier**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.304: 2019-06-21 NCIt: C101722 SHALL be included in UDI Organizer
- **Lot or Batch Number**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.315: 2019-06-21 NCIt:C101672 SHOULD be included in UDI Organizer if present in UDI
- **Serial Number**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.319: 2019-06-21 NCIt: C101671 SHOULD be included in UDI Organizer if present in UDI
- **Manufacturing Date**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.316: 2019-06-21 NCIt:C101669 SHOULD be included in UDI Organizer if present in UDI
- **Expiration Date**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.309: 2019-06-21 NCIt: C101670 SHOULD be included in UDI Organizer if present in UDI
- **Distinct Identification Code**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.308: 2019-06-21 NCIt: C113843 SHOULD be included in UDI Organizer if present in UDI
- **Brand Name**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.301: 2019-06-21 NCIt: C71898 MAY be included in the UDI Organizer if available
- **Model Number**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.317: 2019-06-21 NCIt: C99285 MAY be included in the UDI Organizer if available
- **Catalog Number**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.302: 2019-06-21 NCIt: C99286 MAY be included in the UDI Organizer if available
- **Company Name**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.303: 2019-06-21 NCIt: C54131 MAY be included in the UDI Organizer if available
- **MRI Safety**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.318: 2019-06-21 NCIt: C106044 MAY be included in the UDI Organizer if available
- **Latex Safety**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.314: 2019-06-21 NCIt: C160938 MAY be included in the UDI Organizer if available
- **Implantable Device Status**  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.305 2019-06-21 NCIt: C160939 MAY be included in the UDI Organizer if available



**Table 346: UDI Organizer Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21)					
@classCode	1..1	SHALL		<a href="#">4437-3482</a>	CLUSTER
@moodCode	1..1	SHALL		<a href="#">4437-3483</a>	EVN
templateId	1..1	SHALL		<a href="#">4437-3480</a>	
@root	1..1	SHALL		<a href="#">4437-3484</a>	2.16.840.1.113883.10.20.22.4.311
@extension	1..1	SHALL		<a href="#">4437-3485</a>	2019-06-21
id	1..1	SHALL		<a href="#">4437-3541</a>	
@root	1..1	SHALL		<a href="#">4437-3542</a>	
code	0..1	MAY		<a href="#">4437-3481</a>	
@code	0..1	MAY		<a href="#">4437-3486</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 74711-3
@codeSystem	1..1	SHALL		<a href="#">4437-3487</a>	2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">4437-3490</a>	
@code	1..1	SHALL		<a href="#">4437-3543</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
component	1..1	SHALL		<a href="#">4437-3488</a>	
observation	1..1	SHALL		<a href="#">4437-3489</a>	<a href="#">Device Identifier Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21)</a>
component	0..1	SHOULD		<a href="#">4437-3513</a>	
observation	1..1	SHALL		<a href="#">4437-3514</a>	<a href="#">Lot or Batch Number Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21)</a>
component	0..1	SHOULD		<a href="#">4437-3515</a>	
observation	1..1	SHALL		<a href="#">4437-3516</a>	<a href="#">Serial Number Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.319:2019-06-21)</a>
component	0..1	SHOULD		<a href="#">4437-3517</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
observation	1..1	SHALL		<a href="#">4437-3518</a>	<a href="#">Manufacturing Date Observation (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.316:2019-06-21)</a>
component	0..1	SHOULD		<a href="#">4437-3525</a>	
observation	1..1	SHALL		<a href="#">4437-3526</a>	<a href="#">Expiration Date Observation (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.309:2019-06-21)</a>
component	0..1	SHOULD		<a href="#">4437-3523</a>	
observation	1..1	SHALL		<a href="#">4437-3524</a>	<a href="#">Distinct Identification Code Observation (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.308:2019-06-21)</a>
component	0..1	MAY		<a href="#">4437-3521</a>	
observation	1..1	SHALL		<a href="#">4437-3522</a>	<a href="#">Brand Name Observation (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.301:2019-06-21)</a>
component	0..1	MAY		<a href="#">4437-3519</a>	
observation	1..1	SHALL		<a href="#">4437-3520</a>	<a href="#">Model Number Observation (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.317:2019-06-21)</a>
component	0..1	MAY		<a href="#">4437-3535</a>	
observation	1..1	SHALL		<a href="#">4437-3536</a>	<a href="#">Company Name Observation (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.303:2019-06-21)</a>
component	0..1	MAY		<a href="#">4437-3527</a>	
observation	1..1	SHALL		<a href="#">4437-3528</a>	<a href="#">Catalog Number Observation (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.302:2019-06-21)</a>
component	0..1	MAY		<a href="#">4437-3529</a>	
observation	1..1	SHALL		<a href="#">4437-3530</a>	<a href="#">Latex Safety Observation (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.314:2019-06-21)</a>
component	0..1	MAY		<a href="#">4437-3533</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
observation	1..1	SHALL		4437-3534	<a href="#">MRI Safety Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21)</a>
component	0..1	MAY		4437-3531	
observation	1..1	SHALL		4437-3532	<a href="#">Implantable Device Status Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21)</a>

### 3.80.1 Properties

#### 3.80.1.1 @classCode

The UDI Organizer contains the parsed components of the UDI included in the Product Instance.

1. **SHALL** contain exactly one [1..1] **@classCode**="CLUSTER" (CONF:4437-3482).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CONF:4437-3483).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3480) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.311" (CONF:4437-3484).

Revision from "2018-05-01".

- b. **SHALL** contain exactly one [1..1] **@extension**="2019-06-21" (CONF:4437-3485).

The UDI Organizer identifier shall match the Product Instance identifier value. The identifier will tie the specific UDI information to an individual product instance.

4. **SHALL** contain exactly one [1..1] **id** (CONF:4437-3541).
  - a. This **id** **SHALL** contain exactly one [1..1] **@root** (CONF:4437-3542).
5. **MAY** contain zero or one [0..1] **code** (CONF:4437-3481).
  - a. The code, if present, **MAY** contain zero or one [0..1] **@code**="74711-3" Unique Device Identifier (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4437-3486).
  - b. The code, if present, **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CONF:4437-3487).

This is the status of the UDI Organizer. The value is fixed to "completed".

6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4437-3490).
  - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4437-3543).

**Device Identifier** - the mandatory part of the UDI

7. **SHALL** contain exactly one [1..1] **component** (CONF:4437-3488) such that it
- SHALL** contain exactly one [1..1] [Device Identifier Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21) (CONF:4437-3489).

**Lot or Batch Number** - needed if present as a production identifier

8. **SHOULD** contain zero or one [0..1] **component** (CONF:4437-3513) such that it
- SHALL** contain exactly one [1..1] [Lot or Batch Number Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21) (CONF:4437-3514).

**Serial Number** - needed if present as a production identifier

9. **SHOULD** contain zero or one [0..1] **component** (CONF:4437-3515) such that it
- SHALL** contain exactly one [1..1] [Serial Number Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.319:2019-06-21) (CONF:4437-3516).

**Manufacturing Date** - needed if present as a production identifier

10. **SHOULD** contain zero or one [0..1] **component** (CONF:4437-3517) such that it
- SHALL** contain exactly one [1..1] [Manufacturing Date Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.316:2019-06-21) (CONF:4437-3518).

**Expiration Date** - needed if present as a production identifier

11. **SHOULD** contain zero or one [0..1] **component** (CONF:4437-3525) such that it
- SHALL** contain exactly one [1..1] [Expiration Date Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.309:2019-06-21) (CONF:4437-3526).

**Distinct Identification Code** - needed if present as a production identifier for HCT/P regulated as medical devices.

12. **SHOULD** contain zero or one [0..1] **component** (CONF:4437-3523) such that it
- SHALL** contain exactly one [1..1] [Distinct Identification Code Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.308:2019-06-21) (CONF:4437-3524).

**Brand Name** - when it was extracted from accessGUDID at the time the information was entered in the patient's record.

13. **MAY** contain zero or one [0..1] **component** (CONF:4437-3521) such that it
- SHALL** contain exactly one [1..1] [Brand Name Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.301:2019-06-21) (CONF:4437-3522).

**Model Number** - when it was extracted from accessGUDID at the time the information was entered in the patient's record.

14. **MAY** contain zero or one [0..1] **component** (CONF:4437-3519) such that it

- a. **SHALL** contain exactly one [1..1] [Model Number Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.317:2019-06-21) (CONF:4437-3520).

**Company Name** - the name of the company that manufactured the device when it was extracted from accessGUDID at the time the information was entered in the patient's record.

15. **MAY** contain zero or one [0..1] **component** (CONF:4437-3535) such that it

- a. **SHALL** contain exactly one [1..1] [Company Name Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.303:2019-06-21) (CONF:4437-3536).

**Catalog Number** - specified by manufacturer or when it was extracted from accessGUDID at the time the information was entered in the patient's record.

16. **MAY** contain zero or one [0..1] **component** (CONF:4437-3527) such that it

- a. **SHALL** contain exactly one [1..1] [Catalog Number Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.302:2019-06-21) (CONF:4437-3528).

**Latex Safety Status** when it was extracted from accessGUDID at the time the information was entered in the patient's record.

17. **MAY** contain zero or one [0..1] **component** (CONF:4437-3529) such that it

- a. **SHALL** contain exactly one [1..1] [Latex Safety Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.314:2019-06-21) (CONF:4437-3530).

**MRI Safety Status** when it was extracted from accessGUDID at the time the information was entered in the patient's record.

18. **MAY** contain zero or one [0..1] **component** (CONF:4437-3533) such that it

- a. **SHALL** contain exactly one [1..1] [MRI Safety Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21) (CONF:4437-3534).

**Implantable Device Status** - the status of the device in the body of the patient, it augments the information in **@status**.

19. **MAY** contain zero or one [0..1] **component** (CONF:4437-3531) such that it

- a. **SHALL** contain exactly one [1..1] [Implantable Device Status Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21) (CONF:4437-3532).

**Figure 146: Unique Device Identifier (UDI) Organizer**

```
<!-- UDI Organizer -->
<organizer classCode="CLUSTER" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.311"
    extension="2019-06-21"/>
  <id assigningAuthorityName="FDA"
    extension="(01)99994328998989(11)160330(10)ABC124(17)200712(21)2302991ABC210181"
    root="GS1"/>
  <code code="74711-3" codeSystem="2.16.840.1.113883.6.1"
    displayName="Unique Device Identifier"/>
  <statusCode code="completed"/>
  <!-- UDI components -->
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.304"
        extension="2019-06-21"/>
      <code code="C101722" displayName="Primary DI Number"
        codeSystem="2.16.840.1.113883.3.26.1.1"
        codeSystemName="NCI Thesaurus"/>
      <!-- GS1 Device Identifier -->
      <value xsi:type="II" root="1.3.160"
        extension="99994328998989" displayable="true"
        assigningAuthorityName="GS1"/>
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.315"
        extension="2019-06-21"/>
      <code code="C101672" displayName="Lot or Batch Number"
        codeSystem="2.16.840.1.113883.3.26.1.1"
        codeSystemName="NCI Thesaurus"/>
      <value xsi:type="ED">
        <reference value="#LotOrBatchNumber_1"/>
      </value>
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.319"
        extension="2019-06-21"/>
      <code code="C101671" displayName="Serial Number"
        codeSystem="2.16.840.1.113883.3.26.1.1"
        codeSystemName="NCI Thesaurus"/>
      <value xsi:type="ED">
        <reference value="#SerialNumber_1"/>
      </value>
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.316"
        extension="2019-06-21"/>
      <code code="C101669" displayName="Manufacturing Date"
        codeSystem="2.16.840.1.113883.3.26.1.1"
        codeSystemName="NCI Thesaurus"/>
    </observation>
  </component>
</organizer>
```

```

        <value xsi:type="TS" value="20181015"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.309"
            extension="2019-06-21"/>
        <code code="C101670" displayName="Expiration Date"
            codeSystem="2.16.840.1.113883.3.26.1.1"
            codeSystemName="NCI Thesaurus"/>
        <value xsi:type="TS" value="20221015"/>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.308"
            extension="2019-06-21"/>
        <code code="C113843"
            displayName="Distinct Identification Code"
            codeSystem="2.16.840.1.113883.3.26.1.1"
            codeSystemName="NCI Thesaurus"/>
        <value xsi:type="ED">
            <reference value="#DistinctIdentificationCode_1"/>
        </value>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.301"
            extension="2019-06-21"/>
        <code code="C71898" displayName="Brand Name"
            codeSystem="2.16.840.1.113883.3.26.1.1"
            codeSystemName="NCI Thesaurus"/>
        <value xsi:type="ED">
            <reference value="#BrandName_1"/>
        </value>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.317"
            extension="2019-06-21"/>
        <code code="C99285" displayName="Model Number"
            codeSystem="2.16.840.1.113883.3.26.1.1"
            codeSystemName="NCI Thesaurus"/>
        <value xsi:type="ED">
            <reference value="#ModelNumber_1"/>
        </value>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.302"
            extension="2019-06-21"/>
        <code code="C99286" displayName="Catalog Number"
            codeSystem="2.16.840.1.113883.3.26.1.1"
            codeSystemName="NCI Thesaurus"/>

```

```

        <value xsi:type="ED">
            <reference value="#CatalogNumber_1"/>
        </value>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.303"
            extension="2019-06-21"/>
        <code code="C54131" displayName="Company Name"
            codeSystem="2.16.840.1.113883.3.26.1.1"
            codeSystemName="NCI Thesaurus"/>
        <value xsi:type="ED">
            <reference value="#CompanyName_1"/>
        </value>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.318"
            extension="2019-06-21"/>
        <code code="C106044" displayName="MRI Safety Status"
            codeSystem="2.16.840.1.113883.3.26.1.1"
            codeSystemName="NCI Thesaurus"/>
        <value xsi:type="CD" code="C113844"
            codeSystem="2.16.840.1.113883.3.26.1.1" displayName="Labeling does not
contain MRI Safety Information"
            codeSystemName="NCI Thesaurus"
            sdtc:valueSet="2.16.840.1.113762.1.4.1021.46">
            <originalText>
                <reference value="#MRISafety_1"/>
            </originalText>
        </value>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.314"
            extension="2019-06-21"/>
        <code code="C160938" displayName="Latex Safety Status"
            codeSystem="2.16.840.1.113883.3.26.1.1"
            codeSystemName="NCI Thesaurus"/>
        <value xsi:type="CD" code="C106038"
            codeSystem="2.16.840.1.113883.3.26.1.1" displayName="Not Made with Natural
Rubber Latex"
            codeSystemName="NCI Thesaurus"
            sdtc:valueSet="2.16.840.1.113762.1.4.1021.47">
            <originalText>
                <reference value="#LatexSafety_1"/>
            </originalText>
        </value>
    </observation>
</component>
<component>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.305"
            extension="2019-06-21"/>

```



```

    <code code="C160939" displayName="Implantable Device Status"
      codeSystem="2.16.840.1.113883.3.26.1.1"
      codeSystemName="NCI Thesaurus"/>
    <value xsi:type="CD" code="C160942"
      codeSystem="2.16.840.1.113883.3.26.1.1" displayName="Reduced Function"
      codeSystemName="NCI Thesaurus"
      sdtc:valueSet="2.16.840.1.113762.1.4.1021.48">
      <originalText>
        <reference value="#ImplantableDeviceStatus_1"/>
      </originalText>
    </value>
  </observation>
</component>
</organizer>

```

### 3.81 Vital Sign Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09 (open)]

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DSTU R2

**Table 347: Vital Sign Observation (V2) Contexts**

Contained By:	Contains:
<a href="#">Vital Signs Organizer (V3)</a> (required) <a href="#">Health Concern Act (NHCS V4)</a> (optional)	<a href="#">Author Participation</a> (optional)

This template represents measurement of common vital signs. Vital signs are represented with additional vocabulary constraints for type of vital sign and unit of measure.

The following is a list of recommended units for common types of vital sign measurements:

Name	Unit
PulseOx	%
Height/Head Circumf	cm
Weight	kg
Temp	Cel
BP	mm[Hg]
Pulse/Resp Rate	/min
BMI	kg/m2
BSA	m2
inhaled oxygen concentration	%

**Table 348: Vital Sign Observation (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09)					
@classCode	1..1	SHALL		<a href="#">1098-7297</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-7298</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-7299</a>	
@root	1..1	SHALL		<a href="#">1098-10527</a>	2.16.840.1.113883.10.20.22.4.27
@extension	1..1	SHALL		<a href="#">1098-32574</a>	2014-06-09
id	1..*	SHALL		<a href="#">1098-7300</a>	
code	1..1	SHALL		<a href="#">1098-7301</a>	
@code	0..1	SHOULD		<a href="#">1098-32934</a>	urn:oid:2.16.840.1.113883.3.88.12.80.62 (Vital Sign Result Type)
statusCode	1..1	SHALL		<a href="#">1098-7303</a>	
@code	1..1	SHALL		<a href="#">1098-19119</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1098-7304</a>	
value	1..1	SHALL	PQ	<a href="#">1098-7305</a>	
@unit	1..1	SHALL		<a href="#">1098-31579</a>	urn:oid:2.16.840.1.113883.1.11.12839 (UnitsOfMeasureCaseSensitive)
interpretationCode	0..1	MAY		<a href="#">1098-7307</a>	
@code	1..1	SHALL		<a href="#">1098-32886</a>	urn:oid:2.16.840.1.113883.1.11.1.78 (Observation Interpretation (HL7))
methodCode	0..1	MAY	SET<CE>	<a href="#">1098-7308</a>	
targetSiteCode	0..1	MAY	SET<CD>	<a href="#">1098-7309</a>	
author	0..*	SHOULD		<a href="#">1098-7310</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>

1. **SHALL** contain exactly one [1..1] **@classCode="OBS"** Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-7297).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-7298).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-7299) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.27"** (CONF:1098-10527).
  - b. **SHALL** contain exactly one [1..1] **@extension="2014-06-09"** (CONF:1098-32574).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-7300).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-7301).
  - a. This code **SHOULD** contain zero or one [0..1] **@code**, which **SHOULD** be selected from ValueSet Vital Sign Result Type urn:oid:2.16.840.1.113883.3.88.12.80.62 **DYNAMIC** (CONF:1098-32934).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-7303).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-19119).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-7304).
8. **SHALL** contain exactly one [1..1] **value** with **@xsi:type="PQ"** (CONF:1098-7305).

NOTE: The base CDA R2.0 standard requires **@unit** to be drawn from UCUM, and best practice is to use case sensitive UCUM units

- a. This value **SHALL** contain exactly one [1..1] **@unit**, which **SHOULD** be selected from ValueSet UnitsOfMeasureCaseSensitive urn:oid:2.16.840.1.113883.1.11.12839 **DYNAMIC** (CONF:1098-31579).
9. **MAY** contain zero or one [0..1] **interpretationCode** (CONF:1098-7307).
  - a. The interpretationCode, if present, **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet Observation Interpretation (HL7) urn:oid:2.16.840.1.113883.1.11.78 **DYNAMIC** (CONF:1098-32886).
10. **MAY** contain zero or one [0..1] **methodCode** (CONF:1098-7308).
11. **MAY** contain zero or one [0..1] **targetSiteCode** (CONF:1098-7309).
12. **SHOULD** contain zero or more [0..\*] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-7310).

**Table 349: Vital Sign Result Type**

Value Set: Vital Sign Result Type urn:oid:2.16.840.1.113883.3.88.12.80.62 (Clinical Focus: This set of values represent clinical observations classified as vital signs. Some terms include a method. Basic oxygen rate and flow terms are also included.),(Data Element Scope: observation),(Inclusion Criteria: Specific set of concepts selected),(Exclusion Criteria: None needed)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.62/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.62/expansion</a>			
Code	Code System	Code System OID	Print Name
2708-6	LOINC	urn:oid:2.16.840.1.113883.6.1	Oxygen saturation in Arterial blood
29463-7	LOINC	urn:oid:2.16.840.1.113883.6.1	Body weight
3140-1	LOINC	urn:oid:2.16.840.1.113883.6.1	Body surface area Derived from formula
3150-0	LOINC	urn:oid:2.16.840.1.113883.6.1	Inhaled oxygen concentration
3151-8	LOINC	urn:oid:2.16.840.1.113883.6.1	Inhaled oxygen flow rate
39156-5	LOINC	urn:oid:2.16.840.1.113883.6.1	Body mass index (BMI) [Ratio]
59408-5	LOINC	urn:oid:2.16.840.1.113883.6.1	Oxygen saturation in Arterial blood by Pulse oximetry
59575-1	LOINC	urn:oid:2.16.840.1.113883.6.1	Body mass index (BMI) [Percentile] Per age
59576-9	LOINC	urn:oid:2.16.840.1.113883.6.1	Body mass index (BMI) [Percentile] Per age and sex
77606-2	LOINC	urn:oid:2.16.840.1.113883.6.1	Weight-for-length Per age and sex
8287-5	LOINC	urn:oid:2.16.840.1.113883.6.1	Head Occipital-frontal circumference by Tape measure
8289-1	LOINC	urn:oid:2.16.840.1.113883.6.1	Head Occipital-frontal circumference Percentile
8302-2	LOINC	urn:oid:2.16.840.1.113883.6.1	Body height
8306-3	LOINC	urn:oid:2.16.840.1.113883.6.1	Body height --lying
8310-5	LOINC	urn:oid:2.16.840.1.113883.6.1	Body temperature
8462-4	LOINC	urn:oid:2.16.840.1.113883.6.1	Diastolic blood pressure
8478-0	LOINC	urn:oid:2.16.840.1.113883.6.1	Mean blood pressure
8480-6	LOINC	urn:oid:2.16.840.1.113883.6.1	Systolic blood pressure
8867-4	LOINC	urn:oid:2.16.840.1.113883.6.1	Heart rate
9279-1	LOINC	urn:oid:2.16.840.1.113883.6.1	Respiratory rate
...			

**Figure 147: Vital Sign Observation (V2) Example**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.27" extension="2014-06-09" />
  <!-- Vital Sign Observation template -->
  <id root="c6f88321-67ad-11db-bd13-0800200c9a66" />
  <code code="8302-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Height" />
  <statusCode code="completed" />
  <effectiveTime value="20121114" />
  <value xsi:type="PQ" value="177" unit="cm" />
  ....
</observation>
```

### 3.82 Vital Signs Organizer (V3)

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01  
(open)]

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**Table 350: Vital Signs Organizer (V3) Contexts**

Contained By:	Contains:
<a href="#">Vital Signs Section (entries optional) (V3)</a> (optional)	<a href="#">Vital Sign Observation (V2)</a> (required)
<a href="#">Vital Signs Section (entries required) (V3)</a> (required)	<a href="#">Author Participation</a> (optional)

This template provides a mechanism for grouping vital signs (e.g., grouping systolic blood pressure and diastolic blood pressure).

**Table 351: Vital Signs Organizer (V3) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01)					
@classCode	1..1	SHALL		<a href="#">1198-7279</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER
@moodCode	1..1	SHALL		<a href="#">1198-7280</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1198-7281</a>	
@root	1..1	SHALL		<a href="#">1198-10528</a>	2.16.840.1.113883.10.20.22.4.26
@extension	1..1	SHALL		<a href="#">1198-32582</a>	2015-08-01
id	1..*	SHALL		<a href="#">1198-7282</a>	
code	1..1	SHALL		<a href="#">1198-32740</a>	
@code	1..1	SHALL		<a href="#">1198-32741</a>	46680005
@codeSystem	1..1	SHALL		<a href="#">1198-32742</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96
translation	1..1	SHALL		<a href="#">1198-32743</a>	
@code	1..1	SHALL		<a href="#">1198-32744</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 74728-7
@codeSystem	1..1	SHALL		<a href="#">1198-32746</a>	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		<a href="#">1198-7284</a>	
@code	1..1	SHALL		<a href="#">1198-19120</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1198-7288</a>	
author	0..*	SHOULD		<a href="#">1198-31153</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
component	1..*	SHALL		<a href="#">1198-7285</a>	
observation	1..1	SHALL		<a href="#">1198-15946</a>	<a href="#">Vital Sign Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09)</a>

1. **SHALL** contain exactly one [1..1] **@classCode="CLUSTER"** CLUSTER (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-7279).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-7280).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-7281) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.26"** (CONF:1198-10528).
  - b. **SHALL** contain exactly one [1..1] **@extension="2015-08-01"** (CONF:1198-32582).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1198-7282).

Compatibility support for C-CDA R1.1 and C-CDA 2.1: A vitals organizer conformant to both C-CDA 1.1 and C-CDA 2.1 would contain the SNOMED code (46680005) from R1.1 in the root code and a LOINC code in the translation. A vitals organizer conformant to only C-CDA 2.1 would only contain the LOINC code in the root code.

5. **SHALL** contain exactly one [1..1] **code** (CONF:1198-32740).
  - a. This code **SHALL** contain exactly one [1..1] **@code="46680005"** Vital Signs (CONF:1198-32741).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.6.96"** SNOMED CT (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:1198-32742).
  - c. This code **SHALL** contain exactly one [1..1] **translation** (CONF:1198-32743) such that it
    - i. **SHALL** contain exactly one [1..1] **@code="74728-7"** Vital signs, weight, height, head circumference, oximetry, BMI, and BSA panel - HL7.CCDAr1.1 (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-32744).
    - ii. **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.6.1"** LOINC (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-32746).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-7284).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code="completed"** Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1198-19120).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1198-7288).  
 Note: The effectiveTime may be a timestamp or an interval that spans the effectiveTimes of the contained vital signs observations.
8. **SHOULD** contain zero or more [0..\*] [Author Participation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1198-31153).
9. **SHALL** contain at least one [1..\*] **component** (CONF:1198-7285) such that it
  - a. **SHALL** contain exactly one [1..1] [Vital Sign Observation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09) (CONF:1198-15946).

**Figure 148: Vital Signs Organizer (V3) Example**

```

<organizer classCode="CLUSTER" moodCode="EVN">
  <!-- ** Vital signs organizer ** -->
  <templateId root="2.16.840.1.113883.10.20.22.4.26" extension="2015-08-01" />
  <id root="24f6ad18-c512-40fc-82bd-1e131aa9e52b" />
  <code code="46680005" displayName="Vital Signs"
        codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED
CT">
    <translation code="74728-7"
      displayName="Vital signs, weight, height, head
circumference, oximetry, BMI, and BSA panel "
      codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC"></translation>
    </code>
  <statusCode code="completed" />
  <effectiveTime>
    <low value="20120910" />
    <high value="20120910" />
  </effectiveTime>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.27" extension="2014-06-09" />
      <!-- Vital Sign Observation template -->
      ...
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.27" extension="2014-06-09" />
      <!-- Vital Sign Observation template -->
      ...
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.27" extension="2014-06-09" />
      <!-- Vital Sign Observation template -->
      ...
    </observation>
  </component>
</organizer>

```



### 3.83 Wound Characteristic

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.134 (open)]

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**Table 352: Wound Characteristic Contexts**

Contained By:	Contains:
<a href="#">Longitudinal Care Wound Observation (V2)</a> (optional)	

This template represents characteristics of a wound (e.g., integrity of suture line, odor, erythema).

**Table 353: Wound Characteristic Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.134)					
@classCode	1..1	SHALL		<a href="#">1098-29938</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-29939</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-29940</a>	
@root	1..1	SHALL		<a href="#">1098-29941</a>	2.16.840.1.113883.10.20.22.4.134
id	1..*	SHALL		<a href="#">1098-29942</a>	
code	1..1	SHALL		<a href="#">1098-29943</a>	
@code	1..1	SHALL		<a href="#">1098-31540</a>	ASSERTION
@codeSystem	1..1	SHALL		<a href="#">1098-31541</a>	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
statusCode	1..1	SHALL		<a href="#">1098-29944</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1098-29946</a>	
value	1..1	SHALL	CD	<a href="#">1098-29947</a>	urn:oid:2.16.840.1.113883.11.20.9.58 (Wound Characteristic)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-29938).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-29939).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-29940) such that it

- a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.134" (CONF:1098-29941).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-29942).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-29943).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="ASSERTION" assertion (CONF:1098-31540).
  - b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.5.4" (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:1098-31541).
6. **SHALL** contain exactly one [1..1] **statusCode**="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-29944).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-29946).
8. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD", where the code **SHALL** be selected from ValueSet [Wound Characteristic](#) urn:oid:2.16.840.1.113883.11.20.9.58 **DYNAMIC** (CONF:1098-29947).

**Table 354: Wound Characteristic**

Value Set: Wound Characteristic urn:oid:2.16.840.1.113883.11.20.9.58 (Clinical Focus: Concepts representing general characteristics or types of wounds),(Data Element Scope: condition),(Inclusion Criteria: Selected concepts descending primarily from 225552003 'Wound finding' also including Skin Eschar),(Exclusion Criteria: )  This value set was imported on 6/29/2019 with a version of 20190517. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.58/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.58/expansion</a>			
Code	Code System	Code System OID	Print Name
122681000119108	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Dehiscence of external surgical incision wound (disorder)
225540005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Wound inflammation (finding)
225552003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Wound finding (finding)
225553008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Wound dehiscence (finding)
225917003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Suture line intact (finding)
225944008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Wound tenderness (finding)
239157004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Wound edge necrosis (finding)
239159001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Wound seroma (finding)
239160006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Wound hematoma (finding)
239161005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Wound hemorrhage (finding)
...			

**Figure 149: Wound Characteristic Example**

<pre> &lt;entryRelationship typeCode="COMP"&gt;   &lt;observation classCode="OBS" moodCode="EVN"&gt;     &lt;!-- Wound Characteristic --&gt;     &lt;templateId root="2.16.840.1.113883.10.20.22.4.134" /&gt;     &lt;id root="763428a0-eb35-11e2-91e2-0700200c9a66" /&gt;     &lt;code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" /&gt;     &lt;statusCode code="completed" /&gt;     &lt;effectiveTime value="20013103" /&gt;     &lt;value xsi:type="CD" code="447547000" displayName="Offensive wound odor" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED-CT" /&gt;   &lt;/observation&gt; &lt;/entryRelationship&gt; </pre>
--

### 3.84 Wound Measurement Observation

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.133 (open)]

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DSTU R2

**Table 355: Wound Measurement Observation Contexts**

Contained By:	Contains:
<a href="#">Longitudinal Care Wound Observation (V2)</a> (optional)	

This template represents the Wound Measurement Observations of wound width, depth and length.

**Table 356: Wound Measurement Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.133)					
@classCode	1..1	SHALL		<a href="#">1098-29926</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">1098-29927</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">1098-29928</a>	
@root	1..1	SHALL		<a href="#">1098-29929</a>	2.16.840.1.113883.10.20.22.4.133
id	1..*	SHALL		<a href="#">1098-29930</a>	
code	1..1	SHALL		<a href="#">1098-29931</a>	urn:oid:2.16.840.1.113883.1.11.20.2.5 (Wound Measurements)
statusCode	1..1	SHALL		<a href="#">1098-29933</a>	
@code	1..1	SHALL		<a href="#">1098-29934</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">1098-29935</a>	
value	1..1	SHALL	PQ	<a href="#">1098-29936</a>	

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-29926).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-29927).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-29928) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.133" (CONF:1098-29929).

4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-29930).
5. **SHALL** contain exactly one [1..1] **code**, which **SHALL** be selected from ValueSet [Wound Measurements](#) urn:oid:2.16.840.1.113883.1.11.20.2.5 **DYNAMIC** (CONF:1098-29931).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-29933).
  - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1098-29934).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-29935).
8. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="PQ" (CONF:1098-29936).

**Table 357: Wound Measurements**

Value Set: Wound Measurements urn:oid:2.16.840.1.113883.1.11.20.2.5 (Clinical Focus: Concepts that represent the observables for the dimensions of a wound.),(Data Element Scope: observable),(Inclusion Criteria: the selected set),(Exclusion Criteria: only as selected in inclusion criteria)  This value set was imported on 6/29/2019 with a version of 20190114. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.5/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.5/expansion</a>			
Code	Code System	Code System OID	Print Name
39125-0	LOINC	urn:oid:2.16.840.1.113883.6.1	Width of Wound
39126-8	LOINC	urn:oid:2.16.840.1.113883.6.1	Length of Wound
39127-6	LOINC	urn:oid:2.16.840.1.113883.6.1	Depth of Wound
72293-4	LOINC	urn:oid:2.16.840.1.113883.6.1	Undermining [Length] of Wound
72296-7	LOINC	urn:oid:2.16.840.1.113883.6.1	Tunneling [Length] of Wound

**Figure 150: Wound Measurement Observation Example**

<pre> &lt;entryRelationship typeCode="COMP"&gt;   &lt;observation classCode="OBS" moodCode="EVN"&gt;     &lt;!-- Wound Measurements Observation . --&gt;     &lt;templateId root="2.16.840.1.113883.10.20.22.4.133" /&gt;     &lt;id root="d2b46280-eb34-11e2-91e2-0800200c9a66" /&gt;     &lt;code code=" 401238003" codeSystem="2.16.840.1.113883.6.96" displayName="Length of Wound" /&gt;     &lt;statusCode code="completed" /&gt;     &lt;effectiveTime value="20013103" /&gt;     &lt;value xsi:type="PQ" value="2" unit="[in_i]" /&gt;   &lt;/observation&gt; &lt;/entryRelationship&gt; </pre>
---

## 4 SUB-ENTRY TEMPLATES

### 4.1 Brand Name Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.301:2019-06-21 (open)]

Published as part of C-CDA 2.1 Companion Guide R2 Appendix B: UDI Organizer and supporting templates

**Table 358: Brand Name Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Brand Name**. The UDI-DI of the medical device may be used to retrieve the **Brand Name** in accessGUDID, which should be considered the source of truth.

**Table 359: Brand Name Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.301:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3403</a>	
@root	1..1	SHALL		<a href="#">4437-3405</a>	2.16.840.1.113883.10.20.22.4.301
@extension	1..1	SHALL		<a href="#">4437-3406</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3404</a>	
@code	1..1	SHALL		<a href="#">4437-3407</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C71898
@codeSystem	1..1	SHALL		<a href="#">4437-3408</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3409</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3410</a>	Brand Name
value	1..1	SHALL	ED	<a href="#">4437-3411</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3403).

- a. This templateId **SHALL** contain exactly one [1..1]  
@root="2.16.840.1.113883.10.20.22.4.301" (CONF:4437-3405).  
Note: template oid

Revision from "2018-05-01".

- b. This templateId **SHALL** contain exactly one [1..1] @extension="2019-06-21" (CONF:4437-3406).
2. **SHALL** contain exactly one [1..1] code (CONF:4437-3404).  
Note: Code for "Device Brand Name"

Code used to specify the **Brand Name**.

- a. This code **SHALL** contain exactly one [1..1] @code="C71898" Brand Name (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1 **STATIC**) (CONF:4437-3407).
- b. This code **SHALL** contain exactly one [1..1]  
@codeSystem="2.16.840.1.113883.3.26.1.1" (CONF:4437-3408).
- c. This code **MAY** contain zero or one [0..1] @codeSystemName="NCI Thesaurus" (CONF:4437-3409).
- d. This code **MAY** contain zero or one [0..1] @displayName="Brand Name" (CONF:4437-3410).

The Brand Name can point to its corresponding narrative using the approach defined in CDA Release 2, section 4.3.5.1.

3. **SHALL** contain exactly one [1..1] value with @xsi:type="ED" (CONF:4437-3411).

**Figure 151: Brand Name Example**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.301" extension="2019-06-21"/>
  <code code="C71898" displayName="Brand Name"
        codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <value xsi:type="ED">
    <reference value="#BrandName_1"/>
  </value>
</observation>
```

## 4.2 Catalog Number Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.302:2019-06-21 (open)]

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**Table 360: Catalog Number Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Catalog Number**. The UDI-DI of the medical device may be used to retrieve the Catalog Number in accessGUDID, which should be considered the source of truth.

**Table 361: Catalog Number Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.302:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3432</a>	
@root	1..1	SHALL		<a href="#">4437-3434</a>	2.16.840.1.113883.10.20.22.4.302
@extension	1..1	SHALL		<a href="#">4437-3435</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3433</a>	
@code	1..1	SHALL		<a href="#">4437-3436</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C99286
@codeSystem	1..1	SHALL		<a href="#">4437-3437</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3438</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3439</a>	Catalog Number
value	1..1	SHALL	ED	<a href="#">4437-3440</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3432).
  - a. This templateId **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.302"** (CONF:4437-3434).  
Note: template oid

Revision from "2018-05-01".



- b. This templateId **SHALL** contain exactly one [1..1] @extension="2019-06-21" (CONF:4437-3435).
2. **SHALL** contain exactly one [1..1] code (CONF:4437-3433).  
Note: Code for "Device Catalog Number"

Code used to specify the **Catalog Number**.

- a. This code **SHALL** contain exactly one [1..1] @code="C99286" Catalog Number (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1 **STATIC**) (CONF:4437-3436).
- b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.3.26.1.1" (CONF:4437-3437).
- c. This code **MAY** contain zero or one [0..1] @codeSystemName="NCI Thesaurus" (CONF:4437-3438).
- d. This code **MAY** contain zero or one [0..1] @displayName="Catalog Number" (CONF:4437-3439).

The Catalog Number can point to its corresponding narrative using the approach defined in CDA Release 2, section 4.3.5.1.

3. **SHALL** contain exactly one [1..1] value with @xsi:type="ED" (CONF:4437-3440).

**Figure 152: Catalog Number Sample**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.302" extension="2019-06-21"/>
  <code code="C99286" displayName="Catalog Number"
    codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <value xsi:type="ED">
    <reference value="#CatalogNumber_1"/>
  </value>
</observation>
```

## 4.3 Company Name Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.303:2019-06-21 (open)]

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**Table 362: Company Name Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Company Name**. The UDI-DI of the medical device may be used to retrieve the **Company Name** in accessGUDID, which should be considered the source of truth.

**Table 363: Company Name Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.303:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3441</a>	
@root	1..1	SHALL		<a href="#">4437-3443</a>	2.16.840.1.113883.10.20.22.4.303
@extension	1..1	SHALL		<a href="#">4437-3444</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3442</a>	
@code	1..1	SHALL		<a href="#">4437-3445</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C54131
@codeSystem	1..1	SHALL		<a href="#">4437-3446</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3447</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3448</a>	Company Name
value	1..1	SHALL	ED	<a href="#">4437-3449</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3441).

a. This templateId **SHALL** contain exactly one [1..1]

**@root**="2.16.840.1.113883.10.20.22.4.303" (CONF:4437-3443).

Note: template oid

Revision from "2018-05-01".

b. This templateId **SHALL** contain exactly one [1..1] **@extension**="2019-06-21" (CONF:4437-3444).

2. **SHALL** contain exactly one [1..1] **code** (CONF:4437-3442).

Note: Code for "Company Name"

Code used to specify the **Company Name**.

a. This code **SHALL** contain exactly one [1..1] **@code**="C54131" Company Name (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1 **STATIC**) (CONF:4437-3445).

b. This code **SHALL** contain exactly one [1..1]

**@codeSystem**="2.16.840.1.113883.3.26.1.1" (CONF:4437-3446).

c. This code **MAY** contain zero or one [0..1] **@codeSystemName**="NCI Thesaurus" (CONF:4437-3447).

d. This code **MAY** contain zero or one [0..1] **@displayName**="Company Name" (CONF:4437-3448).

The Company Name can point to its corresponding narrative using the approach defined in CDA Release 2, section 4.3.5.1.

3. **SHALL** contain exactly one [1..1] **value** with @xsi:type="ED" (CONF:4437-3449).

**Figure 153: Company Name**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.303" extension="2019-06-21"/>
  <code code="C54131" displayName="Company Name"
    codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <value xsi:type="ED">
    <reference value="#CompanyName_1"/>
  </value>
</observation>
```

## 4.4 Device Identifier Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21 (open)]

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**Table 364: Device Identifier Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (required)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Device Identifier** (also known as the "Primary DI Number") for a medical device marketed in the US. The device identifier is parsed from the UDI value.

The Device Identifier number can be used as a key to look-up device identification information in the publicly available version of the US FDA Global UDI Database (GUDID) - the AccessGUDID:

<https://accessgudid.nlm.nih.gov/resources/home>

**Table 365: Device Identifier Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3421</a>	
@root	1..1	SHALL		<a href="#">4437-3424</a>	2.16.840.1.113883.10.20.22.4.304
@extension	1..1	SHALL		<a href="#">4437-3425</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3422</a>	
@code	1..1	SHALL		<a href="#">4437-3426</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C101722
@codeSystem	1..1	SHALL		<a href="#">4437-3427</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3428</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3429</a>	Primary DI Number
value	1..1	SHALL	II	<a href="#">4437-3423</a>	
@root	1..1	SHALL		<a href="#">4437-3430</a>	
@extension	1..1	SHALL		<a href="#">4437-3431</a>	
@displayable	1..1	SHALL		<a href="#">4437-3540</a>	true

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3421).
  - a. This templateId **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.304" (CONF:4437-3424).  
Note: template oid

Revision from "2018-05-01"

- b. This templateId **SHALL** contain exactly one [1..1] **@extension**="2019-06-21" (CONF:4437-3425).
2. **SHALL** contain exactly one [1..1] **code** (CONF:4437-3422).  
Note: Primary DI Number Code from NCIt

Code used to specify the device identifier, one of the parsed UDI components known as the Primary DI Number (UDI-DI).

- a. This code **SHALL** contain exactly one [1..1] **@code**="C101722" Primary DI Number (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1 **STATIC**) (CONF:4437-3426).

- b. This code **SHALL** contain exactly one [1..1] `@codeSystem="2.16.840.1.113883.3.26.1.1"` (CONF:4437-3427).
- c. This code **MAY** contain zero or one [0..1] `@codeSystemName="NCI Thesaurus"` (CONF:4437-3428).
- d. This code **MAY** contain zero or one [0..1] `@displayName="Primary DI Number"` (CONF:4437-3429).

The value of the Device Identifier assigned using one of the FDA-accredited, UDI issuing agency: GS1, HIBCC, or ICBBA.

- 3. **SHALL** contain exactly one [1..1] **value** with `@xsi:type="II"` (CONF:4437-3423).  
Note: This value is assigned by the Manufacturer by using an FDA-accredited UDI-issuing agency

The "root" specifies the assigning authority, i.e, the UDI issuing agency. The allowable OIDs include:

1.3.160 (GS1)

2.16.840.1.113883.6.18 (ICCBBA - ISBT-128)

2.16.840.1.113883.6.40 (HIBCC)

- a. This value **SHALL** contain exactly one [1..1] `@root` (CONF:4437-3430).

The value of the Device Identifier.

- b. This value **SHALL** contain exactly one [1..1] `@extension` (CONF:4437-3431).

The Device Identifier can be used to look up device information entered by manufacturers in the FDA GUDID

- c. This value **SHALL** contain exactly one [1..1] `@displayable="true"` (CONF:4437-3540).

**Figure 154: Device Identifier**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.304" extension="2019-06-21"/>
  <code code="C101722" displayName="Primary DI Number"
    codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <!-- GS1 Device Identifier -->
  <value xsi:type="II" root="1.3.160" extension="00999998998989" displayable="true"
    assigningAuthorityName="GS1"/>
</observation>
```

## 4.5 Distinct Identification Code Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.308:2019-06-21 (open)]

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**Table 366: Distinct Identification Code Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Distinct Identification Code** for an HCT/P product regulated as a device as cited in 21 CFR 1271.290(c). The distinct identification code is parsed from the UDI value, if present.

The distinct identification code may be equivalent to the serial number, lot or batch number, or the donation identification number. The appropriate value should be provided as the distinct identification code.

**Table 367: Distinct Identification Code Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.308:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3348</a>	
@root	1..1	SHALL		<a href="#">4437-3350</a>	2.16.840.1.113883.10.20.22.4.308
@extension	1..1	SHALL		<a href="#">4437-3351</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3349</a>	
@code	1..1	SHALL		<a href="#">4437-3355</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C113843
@codeSystem	1..1	SHALL		<a href="#">4437-3352</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3353</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3354</a>	Distinct Identification Code
value	1..1	SHALL	ED	<a href="#">4437-3340</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3348).

- a. This templateId **SHALL** contain exactly one [1..1]  
@root="2.16.840.1.113883.10.20.22.4.308" (CONF:4437-3350).  
Note: template oid

Revision from "2018-05-01"

- b. This templateId **SHALL** contain exactly one [1..1] @extension="2019-06-21" (CONF:4437-3351).
2. **SHALL** contain exactly one [1..1] code (CONF:4437-3349).  
Note: Distinct Identification Code from NCIt

Code used to specify the Distinct Identification Code, one of the parsed UDI components.

- a. This code **SHALL** contain exactly one [1..1] @code="C113843" Distinct Identification Code (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1 **STATIC**) (CONF:4437-3355).
- b. This code **SHALL** contain exactly one [1..1]  
@codeSystem="2.16.840.1.113883.3.26.1.1" (CONF:4437-3352).
- c. This code **MAY** contain zero or one [0..1] @codeSystemName="NCI Thesaurus" (CONF:4437-3353).
- d. This code **MAY** contain zero or one [0..1] @displayName="Distinct Identification Code" (CONF:4437-3354).

The Distinct Identification Code can point to its corresponding narrative using the approach defined in CDA Release 2, section 4.3.5.1.

3. **SHALL** contain exactly one [1..1] value with @xsi:type="ED" (CONF:4437-3340).

**Figure 155: Distinct Identification Code**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.308" extension="2019-06-21"/>
  <code code="C113843" displayName="Distinct Identification Code"
        codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <value xsi:type="ED">
    <reference value="#DistinctIdentificationCode_1"/>
  </value>
</observation>
```

## 4.6 Expiration Date Observation

[observation: identifier urn:h17ii:2.16.840.1.113883.10.20.22.4.309:2019-06-21 (open)]

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**Table 368: Expiration Date Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Expiration Date** of the device. The expiration date is parsed from the UDI value, if present.

**Table 369: Expiration Date Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.309:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3393</a>	
@root	1..1	SHALL		<a href="#">4437-3396</a>	2.16.840.1.113883.10.20.22.4.309
@extension	1..1	SHALL		<a href="#">4437-3397</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3394</a>	
@code	1..1	SHALL		<a href="#">4437-3398</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C101670
@codeSystem	1..1	SHALL		<a href="#">4437-3399</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3400</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3401</a>	Expiration Date
value	1..1	SHALL	TS	<a href="#">4437-3395</a>	
@value	1..1	SHALL		<a href="#">4437-3402</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3393).
  - a. This templateId **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.309" (CONF:4437-3396).  
Note: template oid

Revision from "2018-05-01".

- b. This templateId **SHALL** contain exactly one [1..1] **@extension**="2019-06-21" (CONF:4437-3397).
2. **SHALL** contain exactly one [1..1] **code** (CONF:4437-3394).  
Note: Code for "Expiration Date"

Code used to specify the "Expiration Date", one of the parsed UDI components.

- a. This code **SHALL** contain exactly one [1..1] **@code**="C101670" Expiration Date (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1 **STATIC**) (CONF:4437-3398).  
Note: Expiration Date code



- b. This code **SHALL** contain exactly one [1..1] @codeSystem="2.16.840.1.113883.3.26.1.1" (CONF:4437-3399).
- c. This code **MAY** contain zero or one [0..1] @codeSystemName="NCI Thesaurus" (CONF:4437-3400).
- d. This code **MAY** contain zero or one [0..1] @displayName="Expiration Date" (CONF:4437-3401).

The value of the Expiration Date as a time stamp.

3. **SHALL** contain exactly one [1..1] value with @xsi:type="TS" (CONF:4437-3395).

Note: Expiration Date as a time stamp

Expiration Date as a time stamp.

- a. This value **SHALL** contain exactly one [1..1] @value (CONF:4437-3402).

**Figure 156: Expiration Date**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.309" extension="2019-06-21"/>
  <code code="C101670" displayName="Expiration Date"
    codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <value xsi:type="TS" value="20221015"/>
</observation>
```

## 4.7 Implantable Device Status Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21 (open)]

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**Table 370: Implantable Device Status Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to augment the parsed data from the a Unique Device Identifier (UDI). This template is used to exchange the status of the patient's implantable medical device. This status is only relevant to medical devices implanted in the patient's body.

**Table 371: Implantable Device Status Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3502</a>	
@root	1..1	SHALL		<a href="#">4437-3505</a>	2.16.840.1.113883.10.20.22.4.305
@extension	1..1	SHALL		<a href="#">4437-3506</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3503</a>	
@code	1..1	SHALL		<a href="#">4437-3507</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C160939
@codeSystem	1..1	SHALL		<a href="#">4437-3508</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3509</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3510</a>	Implantable Device Status
value	1..1	SHALL	CD	<a href="#">4437-3504</a>	urn:oid:2.16.840.1.113762.1.4.1021.48 (Implantable Device Status)
@code	1..1	SHALL		<a href="#">4437-3511</a>	
@codeSystem	1..1	SHALL		<a href="#">4437-3512</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3502).
  - a. This templateId **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.305" (CONF:4437-3505).  
Note: template oid

Revision from "2018-05-01".

- b. This templateId **SHALL** contain exactly one [1..1] **@extension**="2019-06-21" (CONF:4437-3506).
2. **SHALL** contain exactly one [1..1] **code** (CONF:4437-3503).  
Note: Code for "Implantable Device Status"

Code used to specify the **Implantable Device Status**.

- a. This code **SHALL** contain exactly one [1..1] **@code**="C160939" Implantable Device Status (CodeSystem: NCI Thesaurus (NCIt))  
urn:oid:2.16.840.1.113883.3.26.1.1 **STATIC** (CONF:4437-3507).
- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.3.26.1.1" (CONF:4437-3508).

- c. This code **MAY** contain zero or one [0..1] @codeSystemName="NCI Thesaurus" (CONF:4437-3509).

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- d. This code **MAY** contain zero or one [0..1] @displayName="Implantable Device Status" (CONF:4437-3510).
3. **SHALL** contain exactly one [1..1] value with @xsi:type="CD", where the code **SHALL** be selected from ValueSet Implantable Device Status  
urn:oid:2.16.840.1.113762.1.4.1021.48 **STATIC** 2019-06-21 (CONF:4437-3504).
- a. This value **SHALL** contain exactly one [1..1] @code (CONF:4437-3511).
- b. This value **SHALL** contain exactly one [1..1] @codeSystem (CONF:4437-3512).

**Table 372: Implantable Device Status**

Value Set: Implantable Device Status urn:oid:2.16.840.1.113762.1.4.1021.48 (Clinical Focus: Implantable Device statuses are necessary for safe management of device use in clinical settings.),(Data Element Scope: Data identifies if the device is implanted and if so, the state of function or malfunctioning.),(Inclusion Criteria: Status types for implantable devices),(Exclusion Criteria: Device status designations for other devices that are not/were not implanted in patients.)  This value set was imported on 9/13/2021 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.48/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.48/expansion</a>			
Code	Code System	Code System OID	Print Name
C114146	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Explanted Medical Device
C118639	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Device Remains Implanted
C122711	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Medical Device Malfunction
C154407	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Inactive
C45329	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Active

**Figure 157: Implantable Device Status**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.305" extension="2019-06-21"/>
  <code code="C160939" displayName="Implantable Device Status"
    codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <value xsi:type="CD" code="C160942" codeSystem="2.16.840.1.113883.3.26.1.1"
    displayName="Reduced Function" codeSystemName="NCI Thesaurus"
    sdtc:valueSet="2.16.840.1.113762.1.4.1021.48">
    <originalText>
      <reference value="#ImplantableDeviceStatus_1"/>
    </originalText>
  </value>
</observation>
```

4.8 Latex Safety Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.314:2019-06-21 (open)]

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**Table 373: Latex Safety Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Latex Safety Status** of the patient's medical device. The UDI-DI of the medical device may be used to retrieve the Latex Safety status in accessGUDID, which should be considered the source of truth.

**Table 374: Latex Safety Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.314:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3491</a>	
@root	1..1	SHALL		<a href="#">4437-3494</a>	2.16.840.1.113883.10.20.22.4.314
@extension	1..1	SHALL		<a href="#">4437-3495</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3492</a>	
@code	1..1	SHALL		<a href="#">4437-3496</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C160938
@codeSystem	1..1	SHALL		<a href="#">4437-3497</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3498</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3499</a>	Latex Safety Status
value	1..1	SHALL	CD	<a href="#">4437-3493</a>	urn:oid:2.16.840.1.113762.1.4.1021.47 (Device Latex Safety)
@code	1..1	SHALL		<a href="#">4437-3500</a>	
@codeSystem	1..1	SHALL		<a href="#">4437-3501</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3491).
  - a. This templateId **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.314"** (CONF:4437-3494).  
Note: template oid

Revision from "2018-05-01".

- b. This templateId **SHALL** contain exactly one [1..1] **@extension="2019-06-21"** (CONF:4437-3495).
2. **SHALL** contain exactly one [1..1] **code** (CONF:4437-3492).  
Note: Code for "Latex Status"

Code used to specify the **Latex Safety Status**

- a. This code **SHALL** contain exactly one [1..1] **@code="C160938"** Latex Safety Status (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1 **STATIC**) (CONF:4437-3496).
- b. This code **SHALL** contain exactly one [1..1] **@codeSystem="2.16.840.1.113883.3.26.1.1"** (CONF:4437-3497).

- c. This code **MAY** contain zero or one [0..1] @codeSystemName="NCI Thesaurus" (CONF:4437-3498).
- d. This code **MAY** contain zero or one [0..1] @displayName="Latex Safety Status" (CONF:4437-3499).

The value of the Latex Safety status.

- 3. **SHALL** contain exactly one [1..1] value with @xsi:type="CD", where the code **SHALL** be selected from ValueSet Device Latex Safety  
urn:oid:2.16.840.1.113762.1.4.1021.47 **STATIC** 2019-06-21 (CONF:4437-3493).
  - a. This value **SHALL** contain exactly one [1..1] @code (CONF:4437-3500).
  - b. This value **SHALL** contain exactly one [1..1] @codeSystem (CONF:4437-3501).

**Table 375: Device Latex Safety**

Value Set: Device Latex Safety urn:oid:2.16.840.1.113762.1.4.1021.47 (Clinical Focus: When available, data on latex use in manufacturing of the device or it's packaging allows for clinical judgement for the use of that device in individuals with latex sensitivity.), (Data Element Scope: Data provides information on the use or latex in the manufacturing of the device or the container or packing of the device.), (Inclusion Criteria: Devices that include any material made from or containing natural latex in its native liquid or colloidal state. Natural latex is an extract of the rubber tree (H. brasiliensis) and contains the allergens responsible for latex hyper-sensitivity reactions. Products that may contain NRL are medical gloves and condoms. See 21 CFR 801.437 for full regulatory definition.), (Exclusion Criteria: Natural rubber latex was not used as materials in the manufacture of the medical product and container and the device labeling contains this information. This set is only applicable to devices not subject to the requirements under 21 CFR 801.437. Not all medical products that are NOT made with natural rubber latex will be marked.)  This value set was imported on 9/13/2021 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.47/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.47/expansion</a>			
Code	Code System	Code System OID	Print Name
C101673	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Labeled as Containing Natural Rubber Latex
C106038	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Not Made with Natural Rubber Latex
C106043	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Natural Rubber

**Figure 158: Latex Safety Status**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.314"
    extension="2019-06-21"/>
  <code code="C160938" displayName="Latex Safety Status"
    codeSystem="2.16.840.1.113883.3.26.1.1"
    codeSystemName="NCI Thesaurus"/>
  <value xsi:type="CD" code="C106038"
    codeSystem="2.16.840.1.113883.3.26.1.1" displayName="Not Made with Natural
Rubber Latex"
    codeSystemName="NCI Thesaurus"
sdtc:valueSet="2.16.840.1.113762.1.4.1021.47">
    <originalText>
      <reference value="#LatexSafety_1"/>
    </originalText>
  </value>
</observation>
```

## 4.9 Lot or Batch Number Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21 (open)]

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**Table 376: Lot or Batch Number Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Lot or Batch Number** of the device. The Lot or Batch Number is parsed from the UDI value, if present.

**Table 377: Lot or Batch Number Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3450</a>	
@root	1..1	SHALL		<a href="#">4437-3452</a>	2.16.840.1.113883.10.20.22.4.315
@extension	1..1	SHALL		<a href="#">4437-3453</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3451</a>	
@code	1..1	SHALL		<a href="#">4437-3454</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C101672
@codeSystem	1..1	SHALL		<a href="#">4437-3455</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3456</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3457</a>	Lot or Batch Number
value	1..1	SHALL	ED	<a href="#">4437-3458</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3450).

- a. This templateId **SHALL** contain exactly one [1..1]  
**@root="2.16.840.1.113883.10.20.22.4.315"** (CONF:4437-3452).  
 Note: template oid

Revision from "2018-05-01".

- b. This templateId **SHALL** contain exactly one [1..1] **@extension="2019-06-21"**  
 (CONF:4437-3453).

2. **SHALL** contain exactly one [1..1] **code** (CONF:4437-3451).

Note: Code for "Lot or Batch Number"

Code used to specify the **Lot or Batch Number**.

- a. This code **SHALL** contain exactly one [1..1] **@code="C101672"** Lot or Batch Number  
 (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1  
**STATIC**) (CONF:4437-3454).
- b. This code **SHALL** contain exactly one [1..1]  
**@codeSystem="2.16.840.1.113883.3.26.1.1"** (CONF:4437-3455).
- c. This code **MAY** contain zero or one [0..1] **@codeSystemName="NCI Thesaurus"**  
 (CONF:4437-3456).
- d. This code **MAY** contain zero or one [0..1] **@displayName="Lot or Batch Number"**  
 (CONF:4437-3457).



The Lot or Batch Number can point to its corresponding narrative using the approach defined in CDA Release 2, section 4.3.5.1.

3. **SHALL** contain exactly one [1..1] **value** with @xsi:type="ED" (CONF:4437-3458).

**Figure 159: Lot or Batch Number**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.315" extension="2019-06-21"/>
  <code code="C101672" displayName="Lot or Batch Number"
    codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <value xsi:type="ED">
    <reference value="#LotOrBatchNumber_1"/>
  </value>
</observation>
```

## 4.10 Manufacturing Date Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.316:2019-06-21 (open)]

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**Table 378: Manufacturing Date Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Manufacturing Date** of the device. The manufacturing date is parsed from the UDI value, if present.

**Table 379: Manufacturing Date Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.316:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3459</a>	
@root	1..1	SHALL		<a href="#">4437-3462</a>	2.16.840.1.113883.10.20.22.4.316
@extension	1..1	SHALL		<a href="#">4437-3463</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3460</a>	
@code	1..1	SHALL		<a href="#">4437-3464</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C101669
@codeSystem	1..1	SHALL		<a href="#">4437-3465</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3466</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3467</a>	Manufacturing Date
value	1..1	SHALL	TS	<a href="#">4437-3461</a>	
@value	1..1	SHALL		<a href="#">4437-3468</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3459).
  - a. This templateId **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.316" (CONF:4437-3462).  
Note: template oid

Revision from "2018-05-01".

- b. This templateId **SHALL** contain exactly one [1..1] **@extension**="2019-06-21" (CONF:4437-3463).
2. **SHALL** contain exactly one [1..1] **code** (CONF:4437-3460).  
Note: Code for "Manufacturing Date"

Code used to specify the **Manufacturing Date**.

- a. This code **SHALL** contain exactly one [1..1] **@code**="C101669" Manufacturing Date (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1 **STATIC**) (CONF:4437-3464).  
Note: Manufacturing Date code
- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.3.26.1.1" (CONF:4437-3465).
- c. This code **MAY** contain zero or one [0..1] **@codeSystemName**="NCI Thesaurus" (CONF:4437-3466).

- d. This code **MAY** contain zero or one [0..1] @**displayName**="Manufacturing Date" (CONF:4437-3467).

The value of the Manufacturing Date as a time stamp.

3. **SHALL** contain exactly one [1..1] **value** with @**xsi:type**="TS" (CONF:4437-3461).

Note: Manufacturing Date as a time stamp

Manufacturing Date as a time stamp.

- a. This value **SHALL** contain exactly one [1..1] @**value** (CONF:4437-3468).

**Figure 160: Manufacturing Date**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.316" extension="2019-06-21"/>
  <code code="C101669" displayName="Manufacturing Date"
    codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <value xsi:type="TS" value="20181015"/>
</observation>
```

## 4.11 Model Number Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.317:2019-06-21 (open)]

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**Table 380: Model Number Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Model Number** associated with the device. The UDI-DI of the medical device may be used to retrieve the **Model Number** in accessGUDID, which should be considered the source of truth.

**Table 381: Model Number Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.317:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3412</a>	
@root	1..1	SHALL		<a href="#">4437-3414</a>	2.16.840.1.113883.10.20.22.4.317
@extension	1..1	SHALL		<a href="#">4437-3415</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3413</a>	
@code	1..1	SHALL		<a href="#">4437-3416</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C99285
@codeSystem	1..1	SHALL		<a href="#">4437-3417</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3418</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3419</a>	Model Number
value	1..1	SHALL	ED	<a href="#">4437-3420</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3412).

- a. This templateId **SHALL** contain exactly one [1..1]  
**@root="2.16.840.1.113883.10.20.22.4.317"** (CONF:4437-3414).  
 Note: template oid

Revision from "2018-05-01".

- b. This templateId **SHALL** contain exactly one [1..1] **@extension="2019-06-21"**  
 (CONF:4437-3415).

2. **SHALL** contain exactly one [1..1] **code** (CONF:4437-3413).

Note: Code for "Device Model Number"

Code used to specify the **Model Number**.

- a. This code **SHALL** contain exactly one [1..1] **@code="C99285"** Model Number  
 (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1  
**STATIC**) (CONF:4437-3416).
- b. This code **SHALL** contain exactly one [1..1]  
**@codeSystem="2.16.840.1.113883.3.26.1.1"** (CONF:4437-3417).
- c. This code **MAY** contain zero or one [0..1] **@codeSystemName="NCI Thesaurus"**  
 (CONF:4437-3418).
- d. This code **MAY** contain zero or one [0..1] **@displayName="Model Number"**  
 (CONF:4437-3419).

The Model Number can point to its corresponding narrative using the approach defined in CDA Release 2, section 4.3.5.1.

3. **SHALL** contain exactly one [1..1] **value** with @xsi:type="ED" (CONF:4437-3420).

**Figure 161: Model Number**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.317" extension="2019-06-21"/>
  <code code="C99285" displayName="Model Number"
    codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <value xsi:type="ED">
    <reference value="#ModelNumber_1"/>
  </value>
</observation>
```

## 4.12 MRI Safety Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21 (open)]

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**Table 382: MRI Safety Observation Contexts**

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the MRI Safety Status of the patient's medical device. The UDI-DI of the medical device may be used to retrieve the **MRI Safety Status** in accessGUDID, which should be considered the source of truth.

**Table 383: MRI Safety Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3469</a>	
@root	1..1	SHALL		<a href="#">4437-3471</a>	2.16.840.1.113883.10.20.22.4.318
@extension	1..1	SHALL		<a href="#">4437-3472</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3470</a>	
@code	1..1	SHALL		<a href="#">4437-3473</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C106044
@codeSystem	1..1	SHALL		<a href="#">4437-3474</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3475</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3476</a>	MRI Safety
value	1..1	SHALL	CD	<a href="#">4437-3477</a>	urn:oid:2.16.840.1.113762.1.4.1021.46 (Device Magnetic resonance (MR) Safety)
@code	1..1	SHALL		<a href="#">4437-3478</a>	
@codeSystem	1..1	SHALL		<a href="#">4437-3479</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3469).
  - a. This templateId **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.318" (CONF:4437-3471).  
Note: template oid

Revision from "2018-05-01".

- b. This templateId **SHALL** contain exactly one [1..1] **@extension**="2019-06-21" (CONF:4437-3472).
2. **SHALL** contain exactly one [1..1] **code** (CONF:4437-3470).  
Note: Code for "MRI Safety Status"

Code used to specify the **MRI Safety Status**.

- a. This code **SHALL** contain exactly one [1..1] **@code**="C106044" MRI Safety (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1 **STATIC**) (CONF:4437-3473).
- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.3.26.1.1" (CONF:4437-3474).

- c. This code **MAY** contain zero or one [0..1] @codeSystemName="NCI Thesaurus" (CONF:4437-3475).
- d. This code **MAY** contain zero or one [0..1] @displayName="MRI Safety" (CONF:4437-3476).

The value of the MRI Safety status.

3. **SHALL** contain exactly one [1..1] value with @xsi:type="CD", where the code **SHALL** be selected from ValueSet Device Magnetic resonance (MR) Safety urn:oid:2.16.840.1.113762.1.4.1021.46 **STATIC** 2019-06-21 (CONF:4437-3477).
  - a. This value **SHALL** contain exactly one [1..1] @code (CONF:4437-3478).
  - b. This value **SHALL** contain exactly one [1..1] @codeSystem (CONF:4437-3479).

**Table 384: Device Magnetic resonance (MR) Safety**

Value Set: Device Magnetic resonance (MR) Safety urn:oid:2.16.840.1.113762.1.4.1021.46 (Clinical Focus: Information on the safety of using a device in a magnetic resonance (MR) environment may or may not have been provided in the labeling by the labeler. This data supports identification of MRI labeling for use in identifying devices which may cause patient adverse reactions due to a MRI sensitivity. This information is not required by FDA regulation or the UDI Rule.), (Data Element Scope: Device characteristics which indicate if a device is safe or unsafe in the MR environment, whether there are suggested modifications of the MR environment or if there is no MRI safety content on the device label.), (Inclusion Criteria: Device characteristics related to the safety of a device in the MR environment.), (Exclusion Criteria: Any described conditions that do not address device MR safety.)			
This value set was imported on 9/13/2021 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.46/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.46/expansion</a>			
Code	Code System	Code System OID	Print Name
C106045	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Magnetic Resonance Safe
C106046	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Magnetic Resonance Conditional
C106047	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Magnetic Resonance Unsafe
C113844	NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1	Labeling does not Contain MRI Safety Information

Figure 162: MRI Safety Status

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.318" extension="2019-06-21"/>
  <code code="C106044" displayName="MRI Safety Status"
    codeSystem="2.16.840.1.113883.3.26.1.1"codeSystemName="NCI Thesaurus"/>
  <value xsi:type="CD" code="C113844" codeSystem="2.16.840.1.113883.3.26.1.1"
    displayName="Labeling does not contain MRI Safety Information"
    codeSystemName="NCI Thesaurus" sdctc:valueSet="2.16.840.1.113762.1.4.1021.46">
    <originalText>
      <reference value="#MRISafety_1"/>
    </originalText>
  </value>
</observation>
```

4.13 Serial Number Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.319:2019-06-21 (open)]

Published as part of C-CDA 2.1 Companion Guide R2 Appendix B: UDI Organizer and supporting templates

Table 385: Serial Number Observation Contexts

Contained By:	Contains:
<a href="#">UDI Organizer</a> (optional)	

This template is intended to be used in addition to the **Product Instance** template urn:oid:2.16.840.1.113883.10.20.22.4.37 to exchange the **Serial Number** of the device. The serial number is parsed from the UDI value, if present.



**Table 386: Serial Number Observation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.319:2019-06-21)					
templateId	1..1	SHALL		<a href="#">4437-3373</a>	
@root	1..1	SHALL		<a href="#">4437-3377</a>	2.16.840.1.113883.10.20.22.4.319
@extension	1..1	SHALL		<a href="#">4437-3368</a>	2019-06-21
code	1..1	SHALL		<a href="#">4437-3374</a>	
@code	1..1	SHALL		<a href="#">4437-3378</a>	urn:oid:2.16.840.1.113883.3.26.1.1 (NCI Thesaurus (NCIt)) = C101671
@codeSystem	1..1	SHALL		<a href="#">4437-3369</a>	2.16.840.1.113883.3.26.1.1
@codeSystemName	0..1	MAY		<a href="#">4437-3370</a>	NCI Thesaurus
@displayName	0..1	MAY		<a href="#">4437-3379</a>	Serial Number
value	1..1	SHALL	ED	<a href="#">4437-3372</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4437-3373).

- a. This templateId **SHALL** contain exactly one [1..1]  
**@root="2.16.840.1.113883.10.20.22.4.319"** (CONF:4437-3377).  
 Note: template oid

Revision from "2018-05-01".

- b. This templateId **SHALL** contain exactly one [1..1] **@extension="2019-06-21"**  
 (CONF:4437-3368).

2. **SHALL** contain exactly one [1..1] **code** (CONF:4437-3374).

Note: Code for "Serial Number"

Code used to specify the **Serial Number**.

- a. This code **SHALL** contain exactly one [1..1] **@code="C101671"** Serial Number  
 (CodeSystem: NCI Thesaurus (NCIt) urn:oid:2.16.840.1.113883.3.26.1.1  
**STATIC**) (CONF:4437-3378).
- b. This code **SHALL** contain exactly one [1..1]  
**@codeSystem="2.16.840.1.113883.3.26.1.1"** (CONF:4437-3369).
- c. This code **MAY** contain zero or one [0..1] **@codeSystemName="NCI Thesaurus"**  
 (CONF:4437-3370).
- d. This code **MAY** contain zero or one [0..1] **@displayName="Serial Number"**  
 (CONF:4437-3379).

The Serial Number can point to its corresponding narrative using the approach defined in CDA Release 2, section 4.3.5.1.

3. **SHALL** contain exactly one [1..1] **value** with @xsi:type="ED" (CONF:4437-3372).

**Figure 163: Serial Number**

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.319" extension="2019-06-21"/>
  <code code="C101671" displayName="Serial Number"
    codeSystem="2.16.840.1.113883.3.26.1.1" codeSystemName="NCI Thesaurus"/>
  <value xsi:type="ED">
    <reference value="#SerialNumber_1"/>
  </value>
</observation>
```

# 5 PARTICIPATION AND OTHER TEMPLATES

## 5.1 Author Participation

[author: identifier urn:oid:2.16.840.1.113883.10.20.22.4.119 (open)]

Published as part of Consolidated CDA Templates for Clinical Notes (US Realm)  
DSTU R2

**Table 387: Author Participation Contexts**

Contained By:	Contains:
<a href="#">Self-Care Activities (ADL and IADL)</a> (optional) <a href="#">Nutrition Assessment</a> (optional) <a href="#">Planned Act (V2)</a> (optional) <a href="#">Planned Encounter (V2)</a> (optional) <a href="#">Planned Observation (V2)</a> (optional) <a href="#">Planned Supply (V2)</a> (optional) <a href="#">Planned Medication Activity (V2)</a> (optional) <a href="#">Handoff Communication Participants</a> (required) <a href="#">Patient Referral Act</a> (optional) <a href="#">Smoking Status - Meaningful Use (V2)</a> (optional) <a href="#">Vital Sign Observation (V2)</a> (optional) <a href="#">Tobacco Use (V2)</a> (optional) <a href="#">Planned Coverage</a> (optional) <a href="#">Planned Immunization Activity</a> (optional) <a href="#">Vital Signs Organizer (V3)</a> (optional) <a href="#">Longitudinal Care Wound Observation (V2)</a> (optional) <a href="#">Note Activity</a> (required) <a href="#">Care Team Organizer (V2)</a> (optional) <a href="#">Result Observation (V4)</a> (optional) <a href="#">Problem Concern Act (NHCS V4)</a> (optional) <a href="#">Medication Activity (NHCS V3)</a> (optional) <a href="#">Result Organizer (NHCS V5)</a> (optional) <a href="#">Procedure Activity Procedure (NHCS V4)</a> (optional) <a href="#">Health Concern Act (NHCS V4)</a> (optional) <a href="#">Goal Observation (NHCS V3)</a> (optional) <a href="#">Functional Status Observation (NHCS V3)</a> (optional) <a href="#">Functional Status Organizer (NHCS V3)</a> (optional) <a href="#">Mental Status Observation (NHCS V4)</a> (optional) <a href="#">Immunization Activity (NHCS V4)</a> (optional) <a href="#">Planned Procedure (NHCS V4)</a> (optional) <a href="#">Problem Observation (NHCS V5)</a> (optional) <a href="#">Social History Observation (NHCS V5)</a> (optional) <a href="#">Procedure Activity Act (NHCS V3)</a> (optional) <a href="#">Procedure Activity Observation (NHCS V3)</a> (optional) <a href="#">Substance or Device Allergy - Intolerance Observation (NHCS V3)</a> (optional)	

Contained By:	Contains:
<a href="#">Allergy - Intolerance Observation (NHCS V3)</a> (optional) <a href="#">Allergy Concern Act (NHCS V4)</a> (optional)	

This template represents the Author Participation (including the author timestamp). CDA R2 requires that Author and Author timestamp be asserted in the document header. From there, authorship propagates to contained sections and contained entries, unless explicitly overridden.

The Author Participation template was added to those templates in scope for analysis in R2. Although it is not explicitly stated in all templates the Author Participation template can be used in any template.

**Table 388: Author Participation Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
author (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)					
templateId	1..1	SHALL		<a href="#">1098-32017</a>	
@root	1..1	SHALL		<a href="#">1098-32018</a>	2.16.840.1.113883.10.20.22.4.119
time	1..1	SHALL		<a href="#">1098-31471</a>	
assignedAuthor	1..1	SHALL		<a href="#">1098-31472</a>	
id	1..*	SHALL		<a href="#">1098-31473</a>	
code	0..1	SHOULD		<a href="#">1098-31671</a>	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
assignedPerson	0..1	MAY		<a href="#">1098-31474</a>	
name	0..*	MAY		<a href="#">1098-31475</a>	
representedOrganization	0..1	MAY		<a href="#">1098-31476</a>	
id	0..*	MAY		<a href="#">1098-31478</a>	
name	0..*	MAY		<a href="#">1098-31479</a>	
telecom	0..*	MAY		<a href="#">1098-31480</a>	
addr	0..*	MAY		<a href="#">1098-31481</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-32017) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.119" (CONF:1098-32018).

2. **SHALL** contain exactly one [1..1] **time** (CONF:1098-31471).
3. **SHALL** contain exactly one [1..1] **assignedAuthor** (CONF:1098-31472).
  - a. This assignedAuthor **SHALL** contain at least one [1..\*] **id** (CONF:1098-31473).  
 Note: This id may be set equal to (a pointer to) an id on a participant elsewhere in the document (header or entries) or a new author participant can be described here. If the id is pointing to a participant already described elsewhere in the document, assignedAuthor/id is sufficient to identify this participant and none of the remaining details of assignedAuthor are required to be set. Application Software must be responsible for resolving the identifier back to its original object and then rendering the information in the correct place in the containing section's narrative text. This id must be a pointer to another author participant.
    - i. If the ID isn't referencing an author described elsewhere in the document, then the author components required in US Realm Header are required here as well (CONF:1098-32628).
  - b. This assignedAuthor **SHOULD** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet [Healthcare Provider Taxonomy](#) urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC** (CONF:1098-31671).
    - i. If the content is patient authored the code **SHOULD** be selected from Personal And Legal Relationship Role Type (2.16.840.1.113883.11.20.12.1) (CONF:1098-32315).
  - c. This assignedAuthor **MAY** contain zero or one [0..1] **assignedPerson** (CONF:1098-31474).
    - i. The assignedPerson, if present, **MAY** contain zero or more [0..\*] **name** (CONF:1098-31475).
  - d. This assignedAuthor **MAY** contain zero or one [0..1] **representedOrganization** (CONF:1098-31476).
    - i. The representedOrganization, if present, **MAY** contain zero or more [0..\*] **id** (CONF:1098-31478).
    - ii. The representedOrganization, if present, **MAY** contain zero or more [0..\*] **name** (CONF:1098-31479).
    - iii. The representedOrganization, if present, **MAY** contain zero or more [0..\*] **telecom** (CONF:1098-31480).
    - iv. The representedOrganization, if present, **MAY** contain zero or more [0..\*] **addr** (CONF:1098-31481).

**Figure 164: New Author Participant Example**

```
<author>
  <templateId root="2.16.840.1.113883.10.20.22.4.119" />
  <time value="201308011235-0800" />
  <assignedAuthor>
    <id root="20cf14fb-b65c-4c8c-a54d-b0cca834c18c" />
    <code code="163W00000X" codeSystem="2.16.840.1.113883.5.53" codeSystemName="Health
Care Provider Taxonomy" displayName="Registered nurse" />
    <assignedPerson>
      <name>
        <given>Nurse</given>
        <family>Nightingale</family>
        <suffix>RN</suffix>
      </name>
    </assignedPerson>
    <representedOrganization>
      <id root="2.16.840.1.113883.19.5" />
      <name>Good Health Hospital</name>
    </representedOrganization>
  </assignedAuthor>
</author>
```

**Figure 165: Existing Author Reference Example**

```
<author>
  <time value="201308011235-0800" />
  <assignedAuthor>
    <!--
      This id points to a participant already described
      elsewhere in the document
    -->
    <id root="20cf14fb-b65c-4c8c-a54d-b0cca834c18c" />
  </assignedAuthor>
</author>
```

**5.2 Provenance - Assembler Participation (V2)**

[participant: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.5.7:2020-05-19  
(open) ]

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**Table 389: Provenance - Assembler Participation (V2) Contexts**

Contained By:	Contains:
<a href="#">National Health Care Surveys (V6)</a> (optional)	<a href="#">US Realm Address (AD.US.FIELDDED)</a> (optional)

This template represents the organization that supported generation of a CDA document. The Assembler Organization may be different than the Author Organization, and may be different from the Organization that developed the software used to generate the document.

This Participation is only for use in the CDA Header because it applies to the entire content in the document.

This template is consistent with the prior Assembler Document Participant (2.16.840.1.113883.3.5019.1.1) in the 2016 HL7 Data Provenance guide, however, makes no claim about representing the software organization. All constraints for conformance are defined in this template.

Note: The CDA Participant does not support a software device or the organization that created the software. The Assembler role can only be expressed at the level of organization. This is a known issue with the current CDA R2 model.

Note: The Provenance template title includes a version 2 to support moving from the 'Basic Provenance' guide to the this Companion Guide, so the templateId has not changed.

**Table 390: Provenance - Assembler Participation (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
participant (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.5.7:2020-05-19)					
@typeCode	1..1	SHALL		<a href="#">4537-55</a>	DEV
templateId	1..1	SHALL		<a href="#">4537-40</a>	
@root	1..1	SHALL		<a href="#">4537-44</a>	2.16.840.1.113883.10.20.22.5.7
@extension	1..1	SHALL		<a href="#">4537-33025</a>	2020-05-19
functionCode	1..1	SHALL		<a href="#">4537-38</a>	
@code	1..1	SHALL		<a href="#">4537-32972</a>	assembler
@codeSystem	1..1	SHALL		<a href="#">4537-41</a>	urn:oid:2.16.840.1.113883.4.642.4.1131 (ProvenanceParticipantType)
time	1..1	SHALL		<a href="#">4537-42</a>	
associatedEntity	1..1	SHALL		<a href="#">4537-39</a>	
@classCode	1..1	SHALL		<a href="#">4537-32973</a>	OWN
scopingOrganization	1..1	SHALL		<a href="#">4537-43</a>	
id	1..*	SHALL		<a href="#">4537-50</a>	
name	1..*	SHALL		<a href="#">4537-51</a>	
telecom	0..*	SHOULD		<a href="#">4537-52</a>	
addr	0..*	SHOULD		<a href="#">4537-47</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>

1. **SHALL** contain exactly one [1..1] @typeCode="DEV" Device (CONF:4537-55).
2. **SHALL** contain exactly one [1..1] templateId (CONF:4537-40) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.5.7" (CONF:4537-44).

- b. **SHALL** contain exactly one [1..1] **@extension**="2020-05-19" (CONF:4537-33025).
- 3. **SHALL** contain exactly one [1..1] **functionCode** (CONF:4537-38).
  - a. This functionCode **SHALL** contain exactly one [1..1] **@code**="assembler" Assembler (CONF:4537-32972).
  - b. This functionCode **SHALL** contain exactly one [1..1] **@codeSystem** (CodeSystem: ProvenanceParticipantType urn:oid:2.16.840.1.113883.4.642.4.1131) (CONF:4537-41).
- 4. **SHALL** contain exactly one [1..1] **time** (CONF:4537-42).
- 5. **SHALL** contain exactly one [1..1] **associatedEntity** (CONF:4537-39).
 

Note: The template does not require any elements from the associatedEntity since the information is recorded in the scopingOrganization.

  - a. This associatedEntity **SHALL** contain exactly one [1..1] **@classCode**="OWN" Owned Entity (CONF:4537-32973).
  - b. This associatedEntity **SHALL** contain exactly one [1..1] **scopingOrganization** (CONF:4537-43).
    - i. This scopingOrganization **SHALL** contain at least one [1..\*] **id** (CONF:4537-50).
    - ii. This scopingOrganization **SHALL** contain at least one [1..\*] **name** (CONF:4537-51).
    - iii. This scopingOrganization **SHOULD** contain zero or more [0..\*] **telecom** (CONF:4537-52).
    - iv. This scopingOrganization **SHOULD** contain zero or more [0..\*] **US Realm Address (AD.US.FIELDDED)** (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-47).

**Figure 166: Provenance – Assembler Participation Example**

```

<participant typeCode="DEV">
  <templateId root="2.16.840.1.113883.10.20.22.5.7" extension="2020-05-19" />
  <functionCode code="assembler" codeSystem="2.16.840.1.113883.4.642.4.1131"
    codeSystemName="ProvenanceParticipantType"/>
  <time value="20191206011130-0400" />
  <associatedEntity classCode="OWN">
    <scopingOrganization>
      <!-- Represents the Assembler Organization -->
      <id root="2.16.840.1.113883.19.5" extension="4"/>
      <name use="L">Good Health HIE</name>
      <telecom value="tel:+1(202)776-7700" use="WP" />
      <addr use="WP">
        <streetAddressLine partType="SAL">555 Badger Way</streetAddressLine>
        <city partType="CTY">Amherst</city>
        <state partType="STA">WI</state>
        <postalCode partType="ZIP">01002</postalCode>
        <country partType="CNT">US</country>
      </addr>
    </scopingOrganization>
  </associatedEntity>
</participant>

```



### 5.3 Provenance - Author Participation (V2)

[author: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.5.6:2019-10-01  
(open) ]

Published as part of C-CDA 2.1 Companion Guide V3

**Table 391: Provenance - Author Participation (V2) Contexts**

Contained By:	Contains:
<a href="#">National Health Care Surveys (V6)</a> (optional)	

This template represents the key information to record Provenance in an Author Participation. This Participation is appropriate at any place CDA allows an author. For example, at the CDA Header, CDA Section, CDA Entry, or within a CDA entry (e.g. Organizer and contained Observation(s)). This template is consistent with the C-CDA Author Participation, however, it doesn't use a formal 'conforms to' relationship. All constraints for conformance are defined in this template which specializes the Author Participation (2.16.840.1.113883.10.20.22.4.119).

This template is used to identify primary authorship for an entry. An entry may have many authors, but recipients need a single authoritative point of contact for resolving issues. This is typically the last provider to make substantive changes to the entry. If two providers are simultaneously involved in that activity, the implementer must choose one, ideally in a repeatable way.

The assignedAuthor/id may be set equal to (a pointer to) an id on a participant elsewhere in the document (header or entries) or a new author participant can be described here.

Note: The Provenance template title includes a version 2 to support moving from the 'Basic Provenance' guide to the this Companion Guide, so the templateId has not changed.

**Table 392: Provenance - Author Participation (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
author (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.5.6:2019-10-01)					
templateId	1..1	SHALL		<a href="#">4515-32980</a>	
@root	1..1	SHALL		<a href="#">4515-15</a>	2.16.840.1.113883.10.20.22.5.6
@extension	1..1	SHALL		<a href="#">4515-36</a>	2019-10-01
time	1..1	SHALL		<a href="#">4515-32983</a>	
assignedAuthor	1..1	SHALL		<a href="#">4515-32975</a>	
id	1..*	SHALL		<a href="#">4515-2</a>	
id	1..1	SHALL		<a href="#">4515-20</a>	
@nullFlavor	0..1	MAY		<a href="#">4515-21</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = UNK
@root	1..1	SHALL		<a href="#">4515-22</a>	2.16.840.1.113883.4.6
@extension	0..1	SHOULD		<a href="#">4515-23</a>	
code	0..1	SHOULD		<a href="#">4515-32979</a>	
assignedPerson	0..1	SHOULD		<a href="#">4515-32976</a>	
name	1..*	SHALL		<a href="#">4515-32977</a>	
family	1..1	SHALL		<a href="#">4515-17</a>	
given	0..*	SHOULD		<a href="#">4515-18</a>	
assignedAuthoringDevice	0..1	MAY		<a href="#">4515-32</a>	
representedOrganization	0..1	MAY		<a href="#">4515-32978</a>	
@nullFlavor	0..1	MAY		<a href="#">4515-35</a>	
id	1..*	SHALL		<a href="#">4515-32981</a>	
id	1..1	SHALL		<a href="#">4515-24</a>	
@nullFlavor	0..1	MAY		<a href="#">4515-25</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = UNK
@root	1..1	SHALL		<a href="#">4515-26</a>	2.16.840.1.113883.4.2
@extension	0..1	SHOULD		<a href="#">4515-32982</a>	
id	1..1	SHALL		<a href="#">4515-28</a>	
@nullFlavor	0..1	MAY		<a href="#">4515-29</a>	urn:oid:2.16.840.1.113883.5.1008 (HL7NullFlavor) = UNK
@root	1..1	SHALL		<a href="#">4515-30</a>	2.16.840.1.113883.4.6
@extension	0..1	SHOULD		<a href="#">4515-31</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
name	1..1	SHALL		<a href="#">4515-11</a>	
telecom	0..*	SHOULD		<a href="#">4515-12</a>	

1. **SHALL** contain exactly one [1..1] **templateId** (CONF:4515-32980) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.5.6" (CONF:4515-15).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2019-10-01" (CONF:4515-36).
2. **SHALL** contain exactly one [1..1] **time** (CONF:4515-32983).
3. **SHALL** contain exactly one [1..1] **assignedAuthor** (CONF:4515-32975).
  - a. This assignedAuthor **SHALL** contain at least one [1..\*] **id** (CONF:4515-2).
    - i. If the assignedAuthor/id is not referencing a Provenance Author described elsewhere in the document with a representedOrganization populated, this assignedAuthor **SHALL** contain exactly one [1..1] representedOrganization (CONF:4515-64).
  - b. This assignedAuthor **SHALL** contain exactly one [1..1] **id** (CONF:4515-20) such that it

If id with @root="2.16.840.1.113883.4.6" National Provider Identifier is unknown then

- i. **MAY** contain zero or one [0..1] **@nullFlavor**="UNK" Unknown (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:4515-21).
- ii. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.4.6" National Provider Identifier (CONF:4515-22).
- iii. **SHOULD** contain zero or one [0..1] **@extension** (CONF:4515-23).

When the author is a person who is not acting in the role of a clinician, this code encodes the personal or legal relationship between author and the patient.

- c. This assignedAuthor **SHOULD** contain zero or one [0..1] **code** (CONF:4515-32979).
  - i. If the content is provider authored, the code **SHOULD** be selected from ValueSet Healthcare Provider Taxonomy urn:oid:2.16.840.1.114222.4.11.1066 DYNAMIC (CONF:4515-56).
  - ii. If the author is a person who is not acting in the role of a clinician, the code **SHOULD** be selected from ValueSet Personal And Legal Relationship Role Type urn:oid:2.16.840.1.113883.11.20.12.1 DYNAMIC (CONF:4515-57).
- d. This assignedAuthor **SHOULD** contain zero or one [0..1] **assignedPerson** (CONF:4515-32976).
  - i. The assignedPerson, if present, **SHALL** contain at least one [1..\*] **name** (CONF:4515-32977).
    1. Such names **SHALL** contain exactly one [1..1] **family** (CONF:4515-17).
    2. Such names **SHOULD** contain zero or more [0..\*] **given** (CONF:4515-18).
- e. This assignedAuthor **MAY** contain zero or one [0..1] **assignedAuthoringDevice** (CONF:4515-32).

If the assignedAuthor/id is not referencing a Provenance Author described elsewhere in the document with a representedOrganization populated, this assignedAuthor SHALL contain exactly one [1..1] representedOrganization (See - CONF:4440-64).

- f. This assignedAuthor **MAY** contain zero or one [0..1] **representedOrganization** (CONF:4515-32978).

A nullFlavor of "NA" is allowed If the assignedAuthor is not a clinician

- i. The representedOrganization, if present, **MAY** contain zero or one [0..1] **@nullFlavor** (CONF:4515-35).
- ii. The representedOrganization, if present, **SHALL** contain at least one [1..\*] **id** (CONF:4515-32981).
- iii. The representedOrganization, if present, **SHALL** contain exactly one [1..1] **id** (CONF:4515-24) such that it

If id with @root="2.16.840.1.113883.4.2" Tax ID Number is unknown then

- 1. **MAY** contain zero or one [0..1] **@nullFlavor="UNK"** Unknown (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:4515-25).
- 2. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.4.2"** Tax ID Number (CONF:4515-26).
- 3. **SHOULD** contain zero or one [0..1] **@extension** (CONF:4515-32982).
- iv. The representedOrganization, if present, **SHALL** contain exactly one [1..1] **id** (CONF:4515-28) such that it

If id with @root="2.16.840.1.113883.4.6" National Provider Identifier is unknown then

- 1. **MAY** contain zero or one [0..1] **@nullFlavor="UNK"** Unknown (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:4515-29).
- 2. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.4.6"** National Provider Identifier (CONF:4515-30).
- 3. **SHOULD** contain zero or one [0..1] **@extension** (CONF:4515-31).
- v. The representedOrganization, if present, **SHALL** contain exactly one [1..1] **name** (CONF:4515-11).
- vi. The representedOrganization, if present, **SHOULD** contain zero or more [0..\*] **telecom** (CONF:4515-12).

**Figure 167: Provenance - Author Participation Example**

```
<author>
  <!-- Provenance - Author Participation -->
  <templateId root="2.16.840.1.113883.10.20.22.5.6" extension="2019-10-01"/>
  <time value="201308011235-0800"/>
  <assignedAuthor>
    <!-- NPI of Author (example) -->
    <id root="2.16.840.1.113883.4.6" extension="1234567"/>
    <assignedPerson>
      <name>
        <given>Nurse</given>
        <family>Nightingale</family>
        <suffix>RN</suffix>
      </name>
    </assignedPerson>
    <representedOrganization>
      <!-- Tax Identifier of Organization is Unknown -->
      <id root="2.16.840.1.113883.5.1008" nullFlavor="UNK"/>
      <!-- NPI of Organization -->
      <id root="2.16.840.1.113883.4.6" extension="1104145838"/>
      <name>Good Health Hospital</name>
      <telecom value="tel:+1(555)867-5309"/>
    </representedOrganization>
  </assignedAuthor>
</author>
```

## 5.4 Related Person Relationship and Name Participant

[participant: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.5.8:2023-05-01  
(open)]

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**Table 393: Related Person Relationship and Name Participant Contexts**

Contained By:	Contains:
<a href="#">US Realm Header (V4)</a> (optional)	<a href="#">US Realm Address (AD.US.FIELDDED)</a> (optional) <a href="#">US Realm Person Name (PN.US.FIELDDED)</a> (required)

This template represents a generic participant person that has a relationship to the patient. (e.g., parent, next-of-kin, neighbor). The related person's name is required and it is recommended that the person's contact information is present. The more specific CDA participant of Guardian (recordTarget/patientRole/patient/guardian) can be used to represent a legally responsible guardian of the patient within the header. This template may be used to represent a person with any relationship to the patient within the header, or at the entry level when pertinent to a particular clinical statement.

**Table 394: Related Person Relationship and Name Participant Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
participant (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.5.8:2023-05-01)					
@typeCode	1..1	SHALL		<a href="#">4537-32982</a>	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = IND
templateId	1..1	SHALL		<a href="#">4537-32977</a>	
@root	1..1	SHALL		<a href="#">4537-32983</a>	2.16.840.1.113883.10.20.22.5.8
@extension	1..1	SHALL		<a href="#">4537-32984</a>	2023-05-01
associatedEntity	1..1	SHALL		<a href="#">4537-32978</a>	
@classCode	1..1	SHALL		<a href="#">4537-33076</a>	urn:oid:2.16.840.1.113883.5.111 (HL7RoleCode) = PRS
code	1..1	SHALL		<a href="#">4537-32985</a>	urn:oid:2.16.840.1.113883.11.20.12.1 (Personal And Legal Relationship Role Type)
addr	0..*	SHOULD		<a href="#">4537-32979</a>	<a href="#">US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)</a>
telecom	0..*	SHOULD		<a href="#">4537-32986</a>	
associatedPerson	1..1	SHALL		<a href="#">4537-32980</a>	
name	1..*	SHALL		<a href="#">4537-32987</a>	<a href="#">US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)</a>

1. **SHALL** contain exactly one [1..1] **@typeCode**="IND" Indirect (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:4537-32982).
2. **SHALL** contain exactly one [1..1] **templateId** (CONF:4537-32977) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.5.8" (CONF:4537-32983).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2023-05-01" (CONF:4537-32984).
3. **SHALL** contain exactly one [1..1] **associatedEntity** (CONF:4537-32978).
  - a. This associatedEntity **SHALL** contain exactly one [1..1] **@classCode**="PRS" Person (CodeSystem: HL7RoleCode urn:oid:2.16.840.1.113883.5.111) (CONF:4537-33076).

This associatedEntity/code represents the person's relationship to the patient.

- b. This associatedEntity **SHALL** contain exactly one [1..1] **code**, which **SHALL** be selected from ValueSet Personal And Legal Relationship Role Type urn:oid:2.16.840.1.113883.11.20.12.1 **DYNAMIC** (CONF:4537-32985).
- c. This associatedEntity **SHOULD** contain zero or more [0..\*] US Realm Address (AD.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:4537-32979).
- d. This associatedEntity **SHOULD** contain zero or more [0..\*] **telecom** (CONF:4537-32986).

The associatedPerson represents the name and contact information of the related person

- e. This associatedEntity **SHALL** contain exactly one [1..1] **associatedPerson** (CONF:4537-32980).
  - i. This associatedPerson **SHALL** contain at least one [1..\*] US Realm Person Name (PN.US.FIELDDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:4537-32987).

**Figure 168: Related Person Relationship and Name Example**

```
<participant typeCode="IND">
  <!-- typeCode "IND" represents indirect -->
  <templateId root="2.16.840.1.113883.10.20.22.5.8" extension="2023-05-01"/>
  <!-- SHALL be from INDRoleclassCodes 2.16.840.1.113883.11.20.9.33 -->
  <associatedEntity classCode="PRS">
    <!-- classCode "PRS" represents personal relationship -->
    <!-- Personal And Legal Relationship Role Type Value Set -->
    <code code="MTH" codeSystem="2.16.840.1.113883.5.111"/>
    <!-- OPTIONAL US Realm Address -->
    <addr use="HP">
      <streetAddressLine>2222 Home Street</streetAddressLine>
      <city>Beaverton</city>
      <state>OR</state>
      <postalCode>97867</postalCode>
      <country>US</country>
    </addr>
    <!-- OPTIONAL TELECOM -->
    <telecom value="tel:+1(555)555-2008" use="MC"/>
  </associatedEntity>
  <associatedPerson>
    <!-- REQUIRED US Realm Person Name Format -->
    <name>
      <given>Boris</given>
      <given qualifier="CL">Bo</given>
      <family>Betterhalf</family>
    </name>
  </associatedPerson>
</associatedEntity>
</participant>
```

# 5.5 US Realm Address (AD.US.FIELDDED)

[addr: identifier urn:oid:2.16.840.1.113883.10.20.22.5.2 (open)]

Published as part of Consolidated CDA Templates for Clinical Notes (US Realm)  
DSTU R1.1

Table 395: US Realm Address (AD.US.FIELDDED) Contexts

Contained By:	Contains:
<a href="#">Policy Activity (V3)</a> (optional) <a href="#">Provenance - Assembler Participation (V2)</a> (optional) <a href="#">Medication Dispense (V3)</a> (optional) <a href="#">Related Person Relationship and Name Participant</a> (optional) <a href="#">US Realm Header (V4)</a> (optional) <a href="#">US Realm Header (V4)</a> (required)	

Reusable address template, for use in US Realm CDA Header.

Table 396: US Realm Address (AD.US.FIELDDED) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
addr (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2)					
@use	0..1	SHOULD		<a href="#">81-7290</a>	urn:oid:2.16.840.1.113883.1.11.10637 (PostalAddressUse)
country	0..1	SHOULD		<a href="#">81-7295</a>	urn:oid:2.16.840.1.113883.3.88.12.80.63 (Country)
state	0..1	SHOULD		<a href="#">81-7293</a>	urn:oid:2.16.840.1.113883.3.88.12.80.1 (StateValueSet)
city	1..1	SHALL		<a href="#">81-7292</a>	
postalCode	0..1	SHOULD		<a href="#">81-7294</a>	urn:oid:2.16.840.1.113883.3.88.12.80.2 (PostalCode)
streetAddressLine	1..4	SHALL		<a href="#">81-7291</a>	

If addr/@nullFlavor is present, the remaining conformance statements *SHALL NOT* be enforced

- SHOULD** contain zero or one [0..1] @use, which **SHALL** be selected from ValueSet [PostalAddressUse](#) urn:oid:2.16.840.1.113883.1.11.10637 **STATIC** 2005-05-01 (CONF:81-7290).
- SHOULD** contain zero or one [0..1] country, which **SHALL** be selected from ValueSet [Country](#) urn:oid:2.16.840.1.113883.3.88.12.80.63 **DYNAMIC** (CONF:81-7295).
- SHOULD** contain zero or one [0..1] state (ValueSet: [StateValueSet](#) urn:oid:2.16.840.1.113883.3.88.12.80.1 **DYNAMIC**) (CONF:81-7293).
  - If the country is US, the state element is required but **SHOULD** have @nullFlavor if the state is unknown. If country is not specified, it's assumed to be US. If country is something other than US, the state **MAY** be present but **MAY** be bound to different vocabularies (CONF:81-10024).



4. **SHALL** contain exactly one [1..1] **city** (CONF:81-7292).
5. **SHOULD** contain zero or one [0..1] **postalCode**, which **SHOULD** be selected from ValueSet [PostalCode](#) urn:oid:2.16.840.1.113883.3.88.12.80.2 **DYNAMIC** (CONF:81-7294).
  - a. If the country is US, the postalCode element is required but **SHOULD** have @nullFlavor if the postalCode is unknown. If country is not specified, it's assumed to be US. If country is something other than US, the postalCode **MAY** be present but **MAY** be bound to different vocabularies (CONF:81-10025).
6. **SHALL** contain at least one and not more than 4 **streetAddressLine** (CONF:81-7291).
7. **SHALL NOT** have mixed content except for white space (CONF:81-7296).

**Table 397: PostalAddressUse**

Value Set: PostalAddressUse urn:oid:2.16.840.1.113883.1.11.10637 (Clinical Focus: The purpose for which a location is assigned the associated postal address),(Data Element Scope: NA),(Inclusion Criteria: The value set contains all descendents of PostalAddressUse and GeneralAddressUse from AddressUse code system with exception noted below.),(Exclusion Criteria: excludes code 'OLD - no longer in use')  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.10637/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.10637/expansion</a>			
Code	Code System	Code System OID	Print Name
BAD	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	bad address
CONF	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	confidential address
DIR	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	direct
H	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	home address
HP	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	primary home
HV	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	vacation home
PHYS	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	physical visit address
PST	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	postal address
PUB	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	public
TMP	HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119	temporary address
...			

**Table 398: StateValueSet**

Value Set: StateValueSet urn:oid:2.16.840.1.113883.3.88.12.80.1			
Identifies addresses within the United States are recorded using the FIPS 5-2 two-letter alphabetic codes for the State, District of Columbia, or an outlying area of the United States or associated area			
Value Set Source: <a href="https://ushik.ahrq.gov/ViewItemDetails?system=mdr&amp;itemKey=86669000">https://ushik.ahrq.gov/ViewItemDetails?system=mdr&amp;itemKey=86669000</a>			
Code	Code System	Code System OID	Print Name
AL	FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92	Alabama
AK	FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92	Alaska
AZ	FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92	Arizona
AR	FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92	Arkansas
CA	FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92	California
CO	FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92	Colorado
CT	FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92	Connecticut
DE	FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92	Delaware
DC	FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92	District of Columbia
FL	FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92	Florida
...			

**Table 399: PostalCode**

Value Set: PostalCode urn:oid:2.16.840.1.113883.3.88.12.80.2			
A value set of postal (ZIP) Code of an address in the United States			
Value Set Source: <a href="http://ushik.ahrq.gov/ViewItemDetails?system=mdr&amp;itemKey=86671000">http://ushik.ahrq.gov/ViewItemDetails?system=mdr&amp;itemKey=86671000</a>			
Code	Code System	Code System OID	Print Name
19009	USPostalCodes	urn:oid:2.16.840.1.113883.6.23 1	Bryn Athyn
92869-1736	USPostalCodes	urn:oid:2.16.840.1.113883.6.23 1	Orange, CA
32830-8413	USPostalCodes	urn:oid:2.16.840.1.113883.6.23 1	Lake Buena Vista, FL
...			

**Figure 169: US Realm Address Example**

<pre> &lt;addr use="HP"&gt;   &lt;streetAddressLine&gt;22 Sample Street&lt;/streetAddressLine&gt;   &lt;city&gt;Beaverton&lt;/city&gt;   &lt;state&gt;OR&lt;/state&gt;   &lt;postalCode&gt;97867&lt;/postalCode&gt;   &lt;country&gt;US&lt;/country&gt; &lt;/addr&gt; </pre>
--

# 5.6 US Realm Date and Time (DT.US.FIELDED)

[effectiveTime: identifier urn:oid:2.16.840.1.113883.10.20.22.5.3 (open)]

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DSTU R1.1

Table 400: US Realm Date and Time (DT.US.FIELDED) Contexts

Contained By:	Contains:
<a href="#">Note Activity</a> (optional)	

The US Realm Clinical Document Date and Time datatype flavor records date and time information. If no time zone offset is provided, you can make no assumption about time, unless you have made a local exchange agreement.

This data type uses the same rules as US Realm Date and Time (DTM.US.FIELDED), but is used with elements having a datatype of IVL\_TS.

Table 401: US Realm Date and Time (DT.US.FIELDED) Constraints Overview

X P a t h	Card	Verb	Data Type	CONF #	Value
effectiveTime (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.3)					

1. **SHALL** be precise to the day (CONF:81-10078).
2. **SHOULD** be precise to the minute (CONF:81-10079).
3. **MAY** be precise to the second (CONF:81-10080).
4. If more precise than day, **SHOULD** include time-zone offset (CONF:81-10081).

# 5.7 US Realm Date and Time (DTM.US.FIELDED)

[effectiveTime: identifier urn:oid:2.16.840.1.113883.10.20.22.5.4 (open)]

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DSTU R1.1

Table 402: US Realm Date and Time (DTM.US.FIELDED) Contexts

Contained By:	Contains:
<a href="#">US Realm Header (V4)</a> (optional)	
<a href="#">US Realm Header (V4)</a> (required)	

The US Realm Clinical Document Date and Time datatype flavor records date and time information. If no time zone offset is provided, you can make no assumption about time, unless you have made a local exchange agreement.

This data type uses the same rules as US Realm Date and Time (DT.US.FIELDED), but is used with elements having a datatype of TS.

**Table 403: US Realm Date and Time (DTM.US.FIELDDED) Constraints Overview**

X P a t h	Card	Verb	Data Type	CONF #	Value
					effectiveTime (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.4)

1. **SHALL** be precise to the day (CONF:81-10127).
2. **SHOULD** be precise to the minute (CONF:81-10128).
3. **MAY** be precise to the second (CONF:81-10129).
4. If more precise than day, **SHOULD** include time-zone offset (CONF:81-10130).

**Figure 170: US Realm Date and Time Example**

```

<!-- Common values for date/time elements would range in precision to the day YYYYMMDD to
precision to the second with a time zone offset YYYYMMDDHHMMSS - ZZzz -->
<!-- time element with TS data type precise to the day for a birthdate -->
<time value="19800531"/>
<!-- effectiveTime element with IVL<TS> data type precise to the second for an observation
-->
<effectiveTime>
  <low value="20110706122735-0800"/>
  <high value="20110706122815-0800"/>
</effectiveTime>

```

## 5.8 US Realm Patient Name (PTN.US.FIELDDED)

[name: identifier urn:oid:2.16.840.1.113883.10.20.22.5.1 (open)]

Published as part of Consolidated CDA Templates for Clinical Notes (US Realm)  
DSTU R1.1

**Table 404: US Realm Patient Name (PTN.US.FIELDDED) Contexts**

Contained By:	Contains:
<a href="#">US Realm Header (V4)</a> (required)	

The US Realm Patient Name datatype flavor is a set of reusable constraints that can be used for the patient or any other person. It requires a first (given) and last (family) name. If a patient or person has only one name part (e.g., patient with first name only) place the name part in the field required by the organization. Use the appropriate nullFlavor, "Not Applicable" (NA), in the other field.

For information on mixed content see the Extensible Markup Language reference

(<http://www.w3c.org/TR/2008/REC-xml-20081126/>).

**Table 405: US Realm Patient Name (PTN.US.FIELDDED) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
name (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1)					
@use	0..1	MAY		<a href="#">81-7154</a>	urn:oid:2.16.840.1.113883.1.11.15913 (EntityNameUse)
family	1..1	SHALL		<a href="#">81-7159</a>	
@qualifier	0..1	MAY		<a href="#">81-7160</a>	urn:oid:2.16.840.1.113883.11.20.9.26 (EntityPersonNamePartQualifier)
given	1..*	SHALL		<a href="#">81-7157</a>	
@qualifier	0..1	MAY		<a href="#">81-7158</a>	urn:oid:2.16.840.1.113883.11.20.9.26 (EntityPersonNamePartQualifier)
prefix	0..*	MAY		<a href="#">81-7155</a>	
@qualifier	0..1	MAY		<a href="#">81-7156</a>	urn:oid:2.16.840.1.113883.11.20.9.26 (EntityPersonNamePartQualifier)
suffix	0..1	MAY		<a href="#">81-7161</a>	
@qualifier	0..1	MAY		<a href="#">81-7162</a>	urn:oid:2.16.840.1.113883.11.20.9.26 (EntityPersonNamePartQualifier)

If name/@nullFlavor is present, the remaining conformance statements *SHALL NOT* be enforced

1. **MAY** contain zero or one [0..1] @use, which **SHALL** be selected from ValueSet [EntityNameUse](#) urn:oid:2.16.840.1.113883.1.11.15913 **STATIC** 2005-05-01 (CONF:81-7154).
2. **SHALL** contain exactly one [1..1] family (CONF:81-7159).
  - a. This family **MAY** contain zero or one [0..1] @qualifier, which **SHALL** be selected from ValueSet [EntityPersonNamePartQualifier](#) urn:oid:2.16.840.1.113883.11.20.9.26 **STATIC** 2011-09-30 (CONF:81-7160).
3. **SHALL** contain at least one [1..\*] given (CONF:81-7157).
  - a. Such givens **MAY** contain zero or one [0..1] @qualifier, which **SHALL** be selected from ValueSet [EntityPersonNamePartQualifier](#) urn:oid:2.16.840.1.113883.11.20.9.26 **STATIC** 2011-09-30 (CONF:81-7158).
  - b. The second occurrence of given (given[2]) if provided, **SHALL** include middle name or middle initial (CONF:81-7163).
4. **MAY** contain zero or more [0..\*] prefix (CONF:81-7155).
  - a. The prefix, if present, **MAY** contain zero or one [0..1] @qualifier, which **SHALL** be selected from ValueSet [EntityPersonNamePartQualifier](#) urn:oid:2.16.840.1.113883.11.20.9.26 **STATIC** 2011-09-30 (CONF:81-7156).

5. **MAY** contain zero or one [0..1] **suffix** (CONF:81-7161).
  - a. The suffix, if present, **MAY** contain zero or one [0..1] **@qualifier**, which **SHALL** be selected from ValueSet [EntityPersonNamePartQualifier](#) urn:oid:2.16.840.1.113883.11.20.9.26 **STATIC** 2011-09-30 (CONF:81-7162).
6. **SHALL NOT** have mixed content except for white space (CONF:81-7278).

**Table 406: EntityNameUse**

Value Set: EntityNameUse urn:oid:2.16.840.1.113883.1.11.15913 (Clinical Focus: A set of codes advising a system or user which name in a set of names to select for a given purpose),(Data Element Scope: A set of codes advising a system or user which name in a set of names to select for a given purpose),(Inclusion Criteria: Members derived from the most recent V3 entity name use code system some of which may not actually be usable in CDA.),(Exclusion Criteria: NA)  This value set was imported on 10/24/2024 with a version of Latest. Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15913/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15913/expansion</a>			
Code	Code System	Code System OID	Print Name
A	HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45	Artist/Stage
ABC	HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45	Alphabetic
ASGN	HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45	assigned
C	HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45	License
I	HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45	Indigenous/Tribal
IDE	HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45	Ideographic
L	HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45	Legal
OR	HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45	official registry
P	HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45	pseudonym
PHON	HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45	phonetic
...			

**Table 407: EntityPersonNamePartQualifier**

Value Set: EntityPersonNamePartQualifier urn:oid:2.16.840.1.113883.11.20.9.26 (Clinical Focus: Classification of a name part by source or purpose),(Data Element Scope: ),(Inclusion Criteria: ),(Exclusion Criteria: )			
This value set was imported on 10/24/2024 with a version of Latest.			
Value Set Source: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.26/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.26/expansion</a>			
Code	Code System	Code System OID	Print Name
AC	HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43	academic
AD	HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43	adopted
BR	HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43	birth
CL	HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43	callme
IN	HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43	initial
NB	HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43	nobility
PR	HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43	professional
SP	HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43	spouse
TITLE	HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43	title
VV	HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43	voorvoegsel

**Figure 171: US Realm Patient Name Example**

<name use="L"> <prefix qualifier="TITLE">Rep</prefix> <given>Evelyn</given> <given qualifier="CL">Eve</given> <family qualifier="BR">Everywoman</family> <suffix qualifier="AC">J.D.</suffix> </name>
---

## 5.9 US Realm Person Name (PN.US.FIELDDED)

[name: identifier urn:oid:2.16.840.1.113883.10.20.22.5.1.1 (open)]

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DSTU R1.1

**Table 408: US Realm Person Name (PN.US.FIELDDED) Contexts**

Contained By:	Contains:
<a href="#">Note Activity</a> (optional) <a href="#">Care Team Member Act (V2)</a> (optional) <a href="#">Related Person Relationship and Name Participant</a> (required) <a href="#">US Realm Header (V4)</a> (optional)	

The US Realm Clinical Document Person Name datatype flavor is a set of reusable constraints that can be used for Persons.

**Table 409: US Realm Person Name (PN.US.FIELDDED) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
name (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1)					
name	1..1	SHALL		<a href="#">81-9368</a>	

1. **SHALL** contain exactly one [1..1] **name** (CONF:81-9368).
  - a. The content of name **SHALL** be either a conformant Patient Name (PTN.US.FIELDDED), or a string (CONF:81-9371).
  - b. The string **SHALL NOT** contain name parts (CONF:81-9372).



## 6 TEMPLATE IDS IN THIS GUIDE

**Table 410: Template List**

Template Title	Template Type	templateId
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a>	document	urn:hl7ii:2.16.840.1.113883.10.20.34.1.4:2025-08-01
<a href="#">Inpatient Encounter (NHCS-IP) (V7)</a>	document	urn:hl7ii:2.16.840.1.113883.10.20.34.1.2:2025-08-01
<a href="#">National Health Care Surveys (V6)</a>	document	urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01
<a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a>	document	urn:hl7ii:2.16.840.1.113883.10.20.34.1.3:2025-08-01
<a href="#">US Realm Header (V4)</a>	document	urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2023-05-01
<a href="#">Allergies and Intolerances Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.6:2025-08-01
<a href="#">Allergies and Intolerances Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01
<a href="#">Assessment Section</a>	section	urn:oid:2.16.840.1.113883.10.20.22.2.8
<a href="#">Care Teams Section (V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01
<a href="#">Chief Complaint and Reason for Visit Section</a>	section	urn:oid:2.16.840.1.113883.10.20.22.2.13
<a href="#">Chief Complaint and Reason for Visit Section with NullFlavor (V5)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01
<a href="#">Discharge Medications Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.11:2025-08-01
<a href="#">Discharge Medications Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2025-08-01
<a href="#">Emergency Department Encounters Section (V5)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.13:2025-08-01
<a href="#">Encounters Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01
<a href="#">Functional Status Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01
<a href="#">Goals Section (NHCS V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01
<a href="#">Health Concerns Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01
<a href="#">Immunizations Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2025-08-01
<a href="#">Immunizations Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01
<a href="#">Inpatient Encounters Section (V5)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
		34.2.12:2025-08-01
<a href="#">Medical Equipment Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01
<a href="#">Medical Equipment Section (UDI V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01
<a href="#">Medications Section (entries optional) (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.1:2025-08-01
<a href="#">Medications Section (entries required) (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2025-08-01
<a href="#">Mental Status Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01
<a href="#">NHCS Social History Section (V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01
<a href="#">Outpatient Encounters Section (V6)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.8:2025-08-01
<a href="#">Payers Section (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01
<a href="#">Plan of Treatment Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01
<a href="#">Problem Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2025-08-01
<a href="#">Problem Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01
<a href="#">Procedures Section (entries optional) (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.7:2025-08-01
<a href="#">Procedures Section (entries required) (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01
<a href="#">Reason for Referral Section (V2)</a>	section	urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09
<a href="#">Results Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01
<a href="#">Social History Section (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.17:2025-08-01
<a href="#">Vital Signs Section (entries optional) (V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.4:2015-08-01
<a href="#">Vital Signs Section (entries required) (V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01
<a href="#">Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01
<a href="#">Allergy Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01
<a href="#">Allergy Status Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
<a href="#">Observation (V2)</a>		22.4.86:2022-06-01
<a href="#">Basic Industry Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01
<a href="#">Basic Occupation Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2025-08-01
<a href="#">Birth Sex Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.200:2023-05-01
<a href="#">Care Team Member Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01
<a href="#">Care Team Member Schedule Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-06-01
<a href="#">Care Team Organizer (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500:2022-06-01
<a href="#">Care Team Type Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01
<a href="#">Characteristics of Home Environment</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.109
<a href="#">Coverage Activity (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.60:2023-05-01
<a href="#">Criticality Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.145
<a href="#">Current Emergency Department Visit (V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.40:2025-08-01
<a href="#">Current Inpatient Visit (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.39:2025-08-01
<a href="#">Current Outpatient Visit (V6)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.10:2025-08-01
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
<a href="#">Disability Status Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2025-08-01
<a href="#">Discharge Medication (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Encounter Activity (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01
<a href="#">Encounter Diagnosis (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01
<a href="#">Estimated Date of Delivery</a>	entry	urn:oid:2.16.840.1.113883.10.20.1.5.3.1
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Family History Death Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.47
<a href="#">Family History Observation (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
		22.4.46:2015-08-01
<a href="#">Family History Organizer (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.45:2015-08-01
<a href="#">Functional Status Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01
<a href="#">Functional Status Organizer (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2025-08-01
<a href="#">Goal Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01
<a href="#">Handoff Communication Participants</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.141
<a href="#">Health Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2025-08-01
<a href="#">Highest Pressure Ulcer Stage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.77
<a href="#">Hospital Admission Diagnosis (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2025-08-01
<a href="#">Immunization Activity (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Immunization Refusal Reason</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.53
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Longitudinal Care Wound Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.114:2015-08-01
<a href="#">Medical Equipment Organizer (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.135:2025-08-01
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Mental Status Observation (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01
<a href="#">Mental Status Organizer (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2025-08-01
<a href="#">Non-Medicinal Supply Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
<a href="#">(UDI)</a>		34.3.47:2019-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Note Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01
<a href="#">Number of Pressure Ulcers Observation (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.76:2015-08-01
<a href="#">Nutrition Assessment</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.138
<a href="#">Nutrition Recommendation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.130:2025-08-01
<a href="#">Nutritional Status Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.124
<a href="#">Patient Referral Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.140
<a href="#">Patient's Reason for Visit Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.41:2025-08-01
<a href="#">Planned Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09
<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.129
<a href="#">Planned Encounter (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09
<a href="#">Planned Immunization Activity</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.120
<a href="#">Planned Medication Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09
<a href="#">Planned Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.44:2014-06-09
<a href="#">Planned Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01
<a href="#">Planned Supply (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09
<a href="#">Policy Activity (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.61:2015-08-01
<a href="#">Pregnancy Intention in Next Year</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.281:2023-05-01
<a href="#">Pregnancy Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.15.3.8
<a href="#">Primary Diagnosis Observation (V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01
<a href="#">Principal Diagnosis (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01
<a href="#">Problem Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
		22.4.4:2025-08-01
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Procedure Activity Act (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01
<a href="#">Procedure Activity Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Procedure Activity Procedure (UDI) (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.46:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Result Observation (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01
<a href="#">Result Organizer (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01
<a href="#">Self-Care Activities (ADL and IADL)</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.128
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Smoking Status - Meaningful Use (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09
<a href="#">Social History Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Substance or Device Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01
<a href="#">Tobacco Use (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09
<a href="#">Tribal Affiliation Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2025-08-01
<a href="#">UDI Organizer</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21
<a href="#">Vital Sign Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09
<a href="#">Vital Signs Organizer (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01
<a href="#">Wound Characteristic</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.134
<a href="#">Wound Measurement Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.133
<a href="#">Brand Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
		22.4.301:2019-06-21
<a href="#">Catalog Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.302:2019-06-21
<a href="#">Company Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.303:2019-06-21
<a href="#">Device Identifier Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21
<a href="#">Distinct Identification Code Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.308:2019-06-21
<a href="#">Expiration Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.309:2019-06-21
<a href="#">Implantable Device Status Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21
<a href="#">Latex Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.314:2019-06-21
<a href="#">Lot or Batch Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21
<a href="#">Manufacturing Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.316:2019-06-21
<a href="#">Model Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.317:2019-06-21
<a href="#">MRI Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21
<a href="#">Serial Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.319:2019-06-21
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Provenance - Assembler Participation (V2)</a>	unspecified	urn:hl7ii:2.16.840.1.113883.10.20.22.5.7:2020-05-19
<a href="#">Provenance - Author Participation (V2)</a>	unspecified	urn:hl7ii:2.16.840.1.113883.10.20.22.5.6:2019-10-01
<a href="#">Related Person Relationship and Name Participant</a>	unspecified	urn:hl7ii:2.16.840.1.113883.10.20.22.5.8:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">US Realm Date and Time (DT.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.3
<a href="#">US Realm Date and Time (DTM.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.4
<a href="#">US Realm Patient Name (PTN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1



**Table 411: Template Containments**

<b>Template Title</b>	<b>Template Type</b>	<b>templateId</b>
<a href="#">Emergency Department Encounter (NHCS-ED) (V7)</a>	document	urn:hl7ii:2.16.840.1.113883.10.20.34.1.4:2025-08-01
<a href="#">Assessment Section</a>	section	urn:oid:2.16.840.1.113883.10.20.22.2.8
<a href="#">Reason for Referral Section (V2)</a>	section	urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09
<a href="#">Patient Referral Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.140
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Vital Signs Section (entries required) (V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01
<a href="#">Vital Signs Organizer (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01
<a href="#">Vital Sign Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Care Teams Section (V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01
<a href="#">Care Team Organizer (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500:2022-06-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Note Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.1.1
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">US Realm Date and Time (DT.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.3
<a href="#">Care Team Type Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01
<a href="#">Care Team Member Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.1.1
<a href="#">Note Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01



Template Title	Template Type	templateId
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">US Realm Date and Time (DT.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.3
<a href="#">Care Team Member Schedule Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-06-01
<a href="#">Emergency Department Encounters Section (V5)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.13:2025-08-01
<a href="#">Current Emergency Department Visit (V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.40:2025-08-01
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Note Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">US Realm Date and Time (DT.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.3
<a href="#">Primary Diagnosis Observation (V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01
<a href="#">Principal Diagnosis (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01
<a href="#">NHCS Social History Section (V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01
<a href="#">Birth Sex Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.200:2023-05-01
<a href="#">Pregnancy Intention in Next Year</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.281:2023-05-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Disability Status Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2025-08-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Social History Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119

Template Title	Template Type	templateId
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Basic Industry Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01
<a href="#">Basic Occupation Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2025-08-01
<a href="#">Basic Industry Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01
<a href="#">Tribal Affiliation Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2025-08-01
<a href="#">Chief Complaint and Reason for Visit Section with NullFlavor (V5)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01
<a href="#">Patient's Reason for Visit Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.41:2025-08-01
<a href="#">Problem Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01
<a href="#">Problem Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Discharge Medications Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2025-08-01
<a href="#">Discharge Medication (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
<a href="#">(V2)</a>		22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2

Template Title	Template Type	templateId
		2.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Goals Section (NHCS V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01
<a href="#">Goal Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Plan of Treatment Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01
<a href="#">Planned Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Encounter (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.44:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.129
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Supply (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37

Template Title	Template Type	templateId
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.129
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Planned Medication Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Handoff Communication Participants</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.141
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Planned Immunization Activity</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.120
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Goal Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09

Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Nutrition Recommendation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.130:2025-08-01
<a href="#">Planned Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Planned Encounter (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.129
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<a href="#">Planned Supply (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09

Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.129
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<a href="#">Planned Medication Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
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<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
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<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.129
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Procedures Section (entries required) (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01
<a href="#">Procedure Activity Procedure</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.



Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
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<a href="#">Medication Information</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Act (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
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Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Procedure Activity Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
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<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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Template Title	Template Type	templateId
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<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09

Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Results Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01
<a href="#">Result Organizer (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Result Observation (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Medications Section (entries required) (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2025-08-01
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09



Template Title	Template Type	templateId
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<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Mental Status Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01
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Template Title	Template Type	templateId
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<a href="#">Mental Status Observation (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Mental Status Organizer (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2025-08-01
<a href="#">Mental Status Observation (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01
<a href="#">Self-Care Activities (ADL and IADL)</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.128
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
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<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
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Template Title	Template Type	templateId
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<a href="#">Functional Status Organizer (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2025-08-01
<a href="#">Self-Care Activities (ADL and IADL)</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.128
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Payers Section (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01
<a href="#">Coverage Activity (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.60:2023-05-01
<a href="#">Policy Activity (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.61:2015-08-01
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<a href="#">Medical Equipment Section (UDI) (V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01
<a href="#">Non-Medicinal Supply Activity (UDI)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.47:2019-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">UDI Organizer</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21
<a href="#">Distinct Identification Code Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.308:2019-06-21

Template Title	Template Type	templateId
<a href="#">Serial Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.319:2019-06-21
<a href="#">Expiration Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.309:2019-06-21
<a href="#">Brand Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.301:2019-06-21
<a href="#">Model Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.317:2019-06-21
<a href="#">Device Identifier Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21
<a href="#">Catalog Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.302:2019-06-21
<a href="#">Company Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.303:2019-06-21
<a href="#">Lot or Batch Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21
<a href="#">Manufacturing Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.316:2019-06-21
<a href="#">MRI Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21
<a href="#">Latex Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.314:2019-06-21
<a href="#">Implantable Device Status Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21
<a href="#">Procedure Activity Procedure (UDI) (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.46:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">UDI Organizer</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21
<a href="#">Distinct Identification Code Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.308:2019-06-21
<a href="#">Serial Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.319:2019-06-21
<a href="#">Expiration Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.309:2019-06-21
<a href="#">Brand Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.301:2019-06-21
<a href="#">Model Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.317:2019-06-21
<a href="#">Device Identifier Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21
<a href="#">Catalog Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.302:2019-06-21
<a href="#">Company Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.303:2019-06-21

Template Title	Template Type	templateId
<a href="#">Lot or Batch Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21
<a href="#">Manufacturing Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.316:2019-06-21
<a href="#">MRI Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21
<a href="#">Latex Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.314:2019-06-21
<a href="#">Implantable Device Status Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21
<a href="#">Immunizations Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01
<a href="#">Immunization Activity (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Immunization Refusal Reason</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.53
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09

Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09

Template Title	Template Type	templateId
<a href="#">(V2)</a>		
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Health Concerns Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01
<a href="#">Health Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2025-08-01
<a href="#">Pregnancy Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.15.3.8
<a href="#">Estimated Date of Delivery</a>	entry	urn:oid:2.16.840.1.113883.10.20.15.3.1
<a href="#">Characteristics of Home Environment</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.109
<a href="#">Self-Care Activities (ADL and IADL)</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.128
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Nutritional Status Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.124
<a href="#">Nutrition Assessment</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.138
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Nutrition Assessment</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.138
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Smoking Status - Meaningful Use (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Vital Sign Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.



Template Title	Template Type	templateId
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<a href="#">Tobacco Use (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Family History Organizer (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.45:2015-08-01
<a href="#">Family History Observation (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.46:2015-08-01
<a href="#">Family History Death Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.47
<a href="#">Longitudinal Care Wound Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.114:2015-08-01
<a href="#">Highest Pressure Ulcer Stage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.77
<a href="#">Wound Measurement Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.133
<a href="#">Wound Characteristic</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.134
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Number of Pressure Ulcers Observation (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.76:2015-08-01
<a href="#">Result Observation (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Encounter Diagnosis (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.



Template Title	Template Type	templateId
<a href="#">Supporting Observation (V2)</a>		22.4.86:2022-06-01
<a href="#">Result Organizer (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Result Observation (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Mental Status Observation (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01

Template Title	Template Type	templateId
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Social History Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
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Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118

Template Title	Template Type	templateId
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<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Substance or Device Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Criticality Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.145
<a href="#">Allergy Status Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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Template Title	Template Type	templateId
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01

Template Title	Template Type	templateId
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Criticality Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.145
<a href="#">Allergy Status Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2

Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2



Template Title	Template Type	templateId
<a href="#">Administered Act</a>		2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Hospital Admission Diagnosis (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2025-08-01
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Medical Equipment Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
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<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09

Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medical Equipment Organizer (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.135:2025-08-01
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<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
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<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
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<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Allergies and Intolerances Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01
<a href="#">Allergy Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01
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<a href="#">Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09

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<a href="#">Allergy Status Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2



Template Title	Template Type	templateId
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Inpatient Encounter (NHCS-IP) (V7)</a>	document	urn:hl7ii:2.16.840.1.113883.10.20.34.1.2:2025-08-01
<a href="#">Assessment Section</a>	section	urn:oid:2.16.840.1.113883.10.20.22.2.8
<a href="#">Reason for Referral Section (V2)</a>	section	urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09
<a href="#">Patient Referral Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.140
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Vital Signs Section (entries required) (V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01
<a href="#">Vital Signs Organizer (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01
<a href="#">Vital Sign Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Care Teams Section (V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01
<a href="#">Care Team Organizer (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500:2022-06-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119

Template Title	Template Type	templateId
		2.4.119
<a href="#">Note Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">US Realm Date and Time (DT.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.3
<a href="#">Care Team Type Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01
<a href="#">Care Team Member Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">Note Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">US Realm Date and Time (DT.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.3
<a href="#">Care Team Member Schedule Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-06-01
<a href="#">Inpatient Encounters Section (V5)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.12:2025-08-01
<a href="#">Current Inpatient Visit (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.39:2025-08-01
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Note Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">US Realm Date and Time (DT.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.3
<a href="#">Primary Diagnosis Observation (V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01
<a href="#">Principal Diagnosis (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01
<a href="#">NHCS Social History Section (V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01
<a href="#">Birth Sex Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
		22.4.200:2023-05-01
<a href="#">Pregnancy Intention in Next Year</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.281:2023-05-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Disability Status Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2025-08-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Social History Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Basic Industry Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01
<a href="#">Basic Occupation Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2025-08-01
<a href="#">Basic Industry Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01
<a href="#">Tribal Affiliation Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2025-08-01
<a href="#">Problem Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01
<a href="#">Problem Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
<a href="#">Supporting Observation (V2)</a>		22.4.86:2022-06-01
<a href="#">Discharge Medications Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2025-08-01
<a href="#">Discharge Medication (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09

Template Title	Template Type	templateId
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Goals Section (NHCS V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01
<a href="#">Goal Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Plan of Treatment Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01
<a href="#">Planned Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Encounter (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.44:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.129
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Supply (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.129
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Medication Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Handoff Communication Participants</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.141
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Planned Immunization Activity</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.120
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Goal Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Planned Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.129
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Nutrition Recommendation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.130:2025-08-01
<a href="#">Planned Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Planned Encounter (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Planned Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.



Template Title	Template Type	templateId
		22.4.44:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.129
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<a href="#">Planned Supply (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Planned Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Procedures Section (entries required) (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147

Template Title	Template Type	templateId
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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Template Title	Template Type	templateId
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Template Title	Template Type	templateId
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<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
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Template Title	Template Type	templateId
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.



Template Title	Template Type	templateId
		22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Results Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01
<a href="#">Result Organizer (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Result Observation (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Medications Section (entries required) (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2025-08-01
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24



Template Title	Template Type	templateId
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09

Template Title	Template Type	templateId
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Mental Status Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Mental Status Observation (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Mental Status Organizer (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2025-08-01
<a href="#">Mental Status Observation (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01
<a href="#">Self-Care Activities (ADL and IADL)</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.128
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09

Template Title	Template Type	templateId
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Organizer (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2025-08-01
<a href="#">Self-Care Activities (ADL and IADL)</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.128
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Functional Status Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Payers Section (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01
<a href="#">Coverage Activity (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.60:2023-05-01
<a href="#">Policy Activity (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
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<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medical Equipment Section (UDI) (V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01
<a href="#">Non-Medicinal Supply Activity (UDI)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.47:2019-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">UDI Organizer</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21
<a href="#">Distinct Identification Code Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.308:2019-06-21
<a href="#">Serial Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.319:2019-06-21
<a href="#">Expiration Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.309:2019-06-21
<a href="#">Brand Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.301:2019-06-21
<a href="#">Model Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.317:2019-06-21
<a href="#">Device Identifier Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21
<a href="#">Catalog Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.302:2019-06-21
<a href="#">Company Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.303:2019-06-21
<a href="#">Lot or Batch Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21
<a href="#">Manufacturing Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.316:2019-06-21
<a href="#">MRI Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21
<a href="#">Latex Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.314:2019-06-21
<a href="#">Implantable Device Status Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21
<a href="#">Procedure Activity Procedure (UDI) (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.46:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">UDI Organizer</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21
<a href="#">Distinct Identification Code Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.308:2019-06-21
<a href="#">Serial Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
		22.4.319:2019-06-21
<a href="#">Expiration Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.309:2019-06-21
<a href="#">Brand Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.301:2019-06-21
<a href="#">Model Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.317:2019-06-21
<a href="#">Device Identifier Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21
<a href="#">Catalog Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.302:2019-06-21
<a href="#">Company Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.303:2019-06-21
<a href="#">Lot or Batch Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21
<a href="#">Manufacturing Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.316:2019-06-21
<a href="#">MRI Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21
<a href="#">Latex Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.314:2019-06-21
<a href="#">Implantable Device Status Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21
<a href="#">Immunizations Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01
<a href="#">Immunization Activity (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Immunization Refusal Reason</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.53
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.119

Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2

Template Title	Template Type	templateId
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.



Template Title	Template Type	templateId
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
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<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Health Concerns Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01
<a href="#">Health Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2025-08-01
<a href="#">Pregnancy Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.1.5.3.8
<a href="#">Estimated Date of Delivery</a>	entry	urn:oid:2.16.840.1.113883.10.20.1.5.3.1
<a href="#">Characteristics of Home Environment</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.109
<a href="#">Self-Care Activities (ADL and IADL)</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.128
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Nutritional Status Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.124



Template Title	Template Type	templateId
<a href="#">Nutrition Assessment</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.138
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Nutrition Assessment</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.138
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Smoking Status - Meaningful Use (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Vital Sign Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Tobacco Use (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Family History Organizer (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.45:2015-08-01
<a href="#">Family History Observation (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.46:2015-08-01
<a href="#">Family History Death Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.47
<a href="#">Longitudinal Care Wound Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.114:2015-08-01
<a href="#">Highest Pressure Ulcer Stage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.77
<a href="#">Wound Measurement Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.133
<a href="#">Wound Characteristic</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.134
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Number of Pressure Ulcers Observation (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.76:2015-08-01
<a href="#">Result Observation (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119

Template Title	Template Type	templateId
<a href="#">Encounter Diagnosis (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Result Organizer (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Result Observation (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">Mental Status Observation (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01
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Template Title	Template Type	templateId
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<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
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<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Social History Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09

Template Title	Template Type	templateId
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Substance or Device Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Criticality Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.145

Template Title	Template Type	templateId
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<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
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<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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Template Title	Template Type	templateId
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Hospital Admission Diagnosis (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2025-08-01
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20

Template Title	Template Type	templateId
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<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Medical Equipment Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
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Template Title	Template Type	templateId
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<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
<a href="#">(V2)</a>		22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medical Equipment Organizer (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.135:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01

Template Title	Template Type	templateId
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
<a href="#">Supporting Observation (V2)</a>		22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09

Template Title	Template Type	templateId
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Allergies and Intolerances Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01
<a href="#">Allergy Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Criticality Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.145
<a href="#">Allergy Status Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118



Template Title	Template Type	templateId
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
<a href="#">(V2)</a>		22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">National Health Care Surveys (V6)</a>	document	urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01
<a href="#">Provenance - Assembler Participation (V2)</a>	unspecified	urn:hl7ii:2.16.840.1.113883.10.20.22.5.7:2020-05-19
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Provenance - Author Participation (V2)</a>	unspecified	urn:hl7ii:2.16.840.1.113883.10.20.22.5.6:2019-10-01
<a href="#">Outpatient Encounter (NHCS-OPD, NAMCS) (V7)</a>	document	urn:hl7ii:2.16.840.1.113883.10.20.34.1.3:2025-08-01
<a href="#">Assessment Section</a>	section	urn:oid:2.16.840.1.113883.10.20.22.2.8
<a href="#">Reason for Referral Section (V2)</a>	section	urn:hl7ii:1.3.6.1.4.1.19376.1.5.3.1.3.1:2014-06-09

Template Title	Template Type	templateId
<a href="#">Patient Referral Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.140
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Vital Signs Section (entries required) (V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.4.1:2015-08-01
<a href="#">Vital Signs Organizer (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01
<a href="#">Vital Sign Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Care Teams Section (V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.500:2022-06-01
<a href="#">Care Team Organizer (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500:2022-06-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Note Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">US Realm Date and Time (DT.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.3
<a href="#">Care Team Type Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01
<a href="#">Care Team Member Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">Note Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">US Realm Date and Time (DT.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.3
<a href="#">Care Team Member Schedule Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-06-01

Template Title	Template Type	templateId
<a href="#">Outpatient Encounters Section (V6)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.8:2025-08-01
<a href="#">Current Outpatient Visit (V6)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.10:2025-08-01
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Note Activity</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">US Realm Date and Time (DT.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.3
<a href="#">Primary Diagnosis Observation (V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01
<a href="#">Principal Diagnosis (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01
<a href="#">NHCS Social History Section (V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01
<a href="#">Birth Sex Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.200:2023-05-01
<a href="#">Pregnancy Intention in Next Year</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.281:2023-05-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Disability Status Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2025-08-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Social History Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Basic Industry Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01
<a href="#">Basic Occupation Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2025-08-01

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<a href="#">Basic Industry Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01
<a href="#">Tribal Affiliation Observation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2025-08-01
<a href="#">Chief Complaint and Reason for Visit Section with NullFlavor (V5)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01
<a href="#">Patient's Reason for Visit Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.41:2025-08-01
<a href="#">Problem Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01
<a href="#">Problem Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Goals Section (NHCS V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01
<a href="#">Goal Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">Plan of Treatment Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01
<a href="#">Planned Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Planned Encounter (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.44:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.129
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Planned Supply (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Planned Medication Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Handoff Communication</a>	entry	urn:oid:2.16.840.1.113883.10.20.2

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<a href="#">Participants</a>		2.4.141
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Planned Immunization Activity</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.120
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Goal Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Planned Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Nutrition Recommendation (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.130:2025-08-01
<a href="#">Planned Act (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
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<a href="#">Planned Supply (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Planned Coverage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.129
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Procedures Section (entries required) (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09

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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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Template Title	Template Type	templateId
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Procedure Activity Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01
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<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Results Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01
<a href="#">Result Organizer (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Result Observation (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01



Template Title	Template Type	templateId
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<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Mental Status Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Mental Status Observation (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Mental Status Organizer (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2025-08-01
<a href="#">Mental Status Observation (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01
<a href="#">Self-Care Activities (ADL and IADL)</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.128

Template Title	Template Type	templateId
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Organizer (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2025-08-01
<a href="#">Self-Care Activities (ADL and IADL)</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.128
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Functional Status Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01

Template Title	Template Type	templateId
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Payers Section (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01
<a href="#">Coverage Activity (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.60:2023-05-01
<a href="#">Policy Activity (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.61:2015-08-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medical Equipment Section (UDI) (V2)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01
<a href="#">Non-Medicinal Supply Activity (UDI)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.34.3.47:2019-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">UDI Organizer</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21
<a href="#">Distinct Identification Code Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.308:2019-06-21
<a href="#">Serial Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.319:2019-06-21
<a href="#">Expiration Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.309:2019-06-21
<a href="#">Brand Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.301:2019-06-21
<a href="#">Model Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.317:2019-06-21
<a href="#">Device Identifier Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21
<a href="#">Catalog Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.302:2019-06-21
<a href="#">Company Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.303:2019-06-21
<a href="#">Lot or Batch Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21
<a href="#">Manufacturing Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.316:2019-06-21
<a href="#">MRI Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21
<a href="#">Latex Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.314:2019-06-21
<a href="#">Implantable Device Status Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21
<a href="#">Procedure Activity Procedure</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
<a href="#">(UDI) (V2)</a>		34.3.46:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">UDI Organizer</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.311:2019-06-21
<a href="#">Distinct Identification Code Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.308:2019-06-21
<a href="#">Serial Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.319:2019-06-21
<a href="#">Expiration Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.309:2019-06-21
<a href="#">Brand Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.301:2019-06-21
<a href="#">Model Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.317:2019-06-21
<a href="#">Device Identifier Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.304:2019-06-21
<a href="#">Catalog Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.302:2019-06-21
<a href="#">Company Name Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.303:2019-06-21
<a href="#">Lot or Batch Number Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.315:2019-06-21
<a href="#">Manufacturing Date Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.316:2019-06-21
<a href="#">MRI Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.318:2019-06-21
<a href="#">Latex Safety Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.314:2019-06-21
<a href="#">Implantable Device Status Observation</a>	subentry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.305:2019-06-21
<a href="#">Immunizations Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01
<a href="#">Immunization Activity (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Immunization Refusal Reason</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.53
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
		22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
<a href="#">(V2)</a>		22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09



Template Title	Template Type	templateId
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Health Concerns Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01
<a href="#">Health Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2025-08-01
<a href="#">Pregnancy Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.1.5.3.8
<a href="#">Estimated Date of Delivery</a>	entry	urn:oid:2.16.840.1.113883.10.20.1.5.3.1



Template Title	Template Type	templateId
<a href="#">Characteristics of Home Environment</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.109
<a href="#">Self-Care Activities (ADL and IADL)</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.128
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Nutritional Status Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.124
<a href="#">Nutrition Assessment</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.138
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Nutrition Assessment</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.138
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Smoking Status - Meaningful Use (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Vital Sign Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Tobacco Use (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">External Document Reference</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09
<a href="#">Family History Organizer (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.45:2015-08-01
<a href="#">Family History Observation (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.46:2015-08-01
<a href="#">Family History Death Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.47
<a href="#">Longitudinal Care Wound Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.114:2015-08-01
<a href="#">Highest Pressure Ulcer Stage</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.77
<a href="#">Wound Measurement Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.133
<a href="#">Wound Characteristic</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.134

Template Title	Template Type	templateId
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Number of Pressure Ulcers Observation (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.76:2015-08-01
<a href="#">Result Observation (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Encounter Diagnosis (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Result Organizer (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Result Observation (V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2023-05-01
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Functional Status Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Assessment Scale</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.86:2022-06-01
<a href="#">Mental Status Observation (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.74:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2 2.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.86:2022-06-01
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2 2.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.502:2022-06-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.86:2022-06-01
<a href="#">Social History Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.38:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2 2.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2 2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20. 22.4.17:2014-06-09

Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2

Template Title	Template Type	templateId
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Substance or Device Allergy - Intolerance Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01

Template Title	Template Type	templateId
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Criticality Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.145
<a href="#">Allergy Status Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09

Template Title	Template Type	templateId
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Criticality Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.145
<a href="#">Allergy Status Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2

Template Title	Template Type	templateId
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Hospital Admission Diagnosis (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2025-08-01

Template Title	Template Type	templateId
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
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<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Medical Equipment Section (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
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<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medical Equipment Organizer (NHCS V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.135:2025-08-01
<a href="#">Non-Medicinal Supply Activity (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09



Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Allergies and Intolerances Section (entries required) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01
<a href="#">Allergy Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Criticality Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.145
<a href="#">Allergy Status Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09



Template Title	Template Type	templateId
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09

Template Title	Template Type	templateId
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
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<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">US Realm Header (V4)</a>	document	urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2023-05-01
<a href="#">US Realm Patient Name (PTN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2

Template Title	Template Type	templateId
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
<a href="#">US Realm Date and Time (DTM.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.4
<a href="#">US Realm Date and Time (DTM.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.4
<a href="#">Related Person Relationship and Name Participant</a>	unspecified	urn:hl7ii:2.16.840.1.113883.10.20.22.5.8:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">US Realm Person Name (PN.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.1.1
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<a href="#">Allergy Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Allergy - Intolerance Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Criticality Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.145
<a href="#">Allergy Status Observation</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.28:2019-06-20
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09

Template Title	Template Type	templateId
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Chief Complaint and Reason for Visit Section</a>	section	urn:oid:2.16.840.1.113883.10.20.2.2.13
<a href="#">Discharge Medications Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.11:2025-08-01
<a href="#">Discharge Medication (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01

Template Title	Template Type	templateId
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37

Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Encounter Diagnosis (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
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<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
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<a href="#">Immunizations Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2025-08-01
<a href="#">Immunization Activity (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Immunization Refusal Reason</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.53
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09



Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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Template Title	Template Type	templateId
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<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
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<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
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Template Title	Template Type	templateId
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<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Problem Section (entries optional) (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2025-08-01
<a href="#">Problem Concern Act (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Problem Status</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
<a href="#">Date of Diagnosis Act</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.502:2022-06-01
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Procedures Section (entries optional) (NHCS V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.7:2025-08-01
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
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<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
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<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
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<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
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<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
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<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
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Template Title	Template Type	templateId
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<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Act (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2

Template Title	Template Type	templateId
		2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.



Template Title	Template Type	templateId
		22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Procedure Activity Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2



Template Title	Template Type	templateId
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Reaction Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
<a href="#">Severity Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.8:2014-06-09
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
		22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Procedure Activity Procedure (NHCS V4)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
<a href="#">Product Instance</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.37
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Medication Activity (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
<a href="#">Drug Vehicle</a>	entry	urn:oid:2.16.840.1.113883.10.20.22.4.24
<a href="#">Indication (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.19:2014-06-09
<a href="#">Medication Supply Order</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.

Template Title	Template Type	templateId
<a href="#">(V2)</a>		22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.4.119
<a href="#">Substance Administered Act</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.118
<a href="#">Medication Free Text Sig</a>	entry	urn:oid:2.16.840.1.113883.10.20.2.4.147
<a href="#">Medication Dispense (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.18:2023-05-01
<a href="#">US Realm Address (AD.US.FIELDDED)</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.2.5.2
<a href="#">Medication Supply Order (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.17:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Instruction (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.23:2014-06-09
<a href="#">Immunization Medication Information (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.54:2014-06-09
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Social History Section (NHCS V4)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.17:2025-08-01
<a href="#">Pregnancy Observation</a>	entry	urn:oid:2.16.840.1.113883.10.20.15.3.8
<a href="#">Estimated Date of Delivery</a>	entry	urn:oid:2.16.840.1.113883.10.20.15.3.1
<a href="#">Characteristics of Home</a>	entry	urn:oid:2.16.840.1.113883.10.20.2

Template Title	Template Type	templateId
<a href="#">Environment</a>		2.4.109
<a href="#">Smoking Status - Meaningful Use (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Tobacco Use (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Social History Observation (NHCS V5)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Assessment Scale Observation (NHCS V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
<a href="#">Assessment Scale Supporting Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.86:2022-06-01
<a href="#">Vital Signs Section (entries optional) (V3)</a>	section	urn:hl7ii:2.16.840.1.113883.10.20.22.2.4:2015-08-01
<a href="#">Vital Signs Organizer (V3)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.26:2015-08-01
<a href="#">Vital Sign Observation (V2)</a>	entry	urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119
<a href="#">Author Participation</a>	unspecified	urn:oid:2.16.840.1.113883.10.20.22.4.119

## 7 VALUE SETS IN THIS GUIDE

**Table 412: Value Sets**

Name	OID	URL
<a href="#">Ability</a>	urn:oid:2.16.840.1.113883.11.20.9.46	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.46/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.46/expansion</a>
<a href="#">ActPriority</a>	urn:oid:2.16.840.1.113883.1.11.16.866	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.16.866/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.16.866/expansion</a>
<a href="#">ActStatus</a>	urn:oid:2.16.840.1.113883.1.11.15.933	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15.933/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15.933/expansion</a>
<a href="#">ADL Result Type</a>	urn:oid:2.16.840.1.113883.11.20.9.47	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.47/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.47/expansion</a>
<a href="#">AdministrationUnitDoseForm</a>	urn:oid:2.16.840.1.113762.1.4.102.1.30	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.102.1.30/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.102.1.30/expansion</a>
<a href="#">Administrative Gender (HL7 V3)</a>	urn:oid:2.16.840.1.113883.1.11.1	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.1/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.1/expansion</a>
<a href="#">Allergy and Intolerance Type</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.6.2	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.6.2/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.6.2/expansion</a>
<a href="#">Allergy Clinical Status</a>	urn:oid:2.16.840.1.113762.1.4.109.9.29	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.109.9.29/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.109.9.29/expansion</a>
<a href="#">Body Site Value Set</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.8.9	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.8.9/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.8.9/expansion</a>
<a href="#">Care Model</a>	urn:oid:2.16.840.1.113883.11.20.9.61	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.61/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.61/expansion</a>
<a href="#">Care Team Category</a>	urn:oid:2.16.840.1.113883.4.642.3.155	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.4.642.3.155/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.4.642.3.155/expansion</a>
<a href="#">Care Team Member Function</a>	urn:oid:2.16.840.1.113762.1.4.109.9.30	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.109.9.30/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.109.9.30/expansion</a>
<a href="#">Clinical Substance</a>	urn:oid:2.16.840.1.113762.1.4.101.0.2	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.101.0.2/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.101.0.2/expansion</a>
<a href="#">Country</a>	urn:oid:2.16.840.1.113883.3.88.12.80.63	<a href="http://hl7.org/fhir/ValueSet/iso3166-1-2">http://hl7.org/fhir/ValueSet/iso3166-1-2</a>
<a href="#">Coverage Role Type Value Set</a>	urn:oid:2.16.840.1.113883.1.11.18.877	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.18.877/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.18.877/expansion</a>

Name	OID	URL
<a href="#">Criticality Observation</a>	urn:oid:2.16.840.1.113883.1.11.20549	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20549/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20549/expansion</a>
<a href="#">CUBS Disability</a>	urn:oid:1.3.6.1.4.1.12009.10.1.3932	<a href="https://loinc.org/LL5052-7/">https://loinc.org/LL5052-7/</a>
<a href="#">CVX Vaccines Administered Vaccine Set</a>	urn:oid:2.16.840.1.113762.1.4.1010.6	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.6/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.6/expansion</a>
<a href="#">Detailed Ethnicity</a>	urn:oid:2.16.840.1.114222.4.11.877	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.877/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.877/expansion</a>
<a href="#">Device Latex Safety</a>	urn:oid:2.16.840.1.113762.1.4.1021.47	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.47/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.47/expansion</a>
<a href="#">Device Magnetic resonance (MR) Safety</a>	urn:oid:2.16.840.1.113762.1.4.1021.46	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.46/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.46/expansion</a>
<a href="#">Discharge Disposition (HL7)</a>	urn:oid:2.16.840.1.114222.4.11.915	<a href="https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.915">https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.915</a>
<a href="#">Encounter Planned</a>	urn:oid:2.16.840.1.113883.11.20.952	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.952/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.952/expansion</a>
<a href="#">EncounterTypeCode</a>	urn:oid:2.16.840.1.113883.3.88.1280.32	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.1280.32/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.1280.32/expansion</a>
<a href="#">EntityNameUse</a>	urn:oid:2.16.840.1.113883.1.11.15913	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15913/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15913/expansion</a>
<a href="#">EntityPersonNamePartQualifier</a>	urn:oid:2.16.840.1.113883.11.20.926	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.926/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.926/expansion</a>
<a href="#">Ethnicity</a>	urn:oid:2.16.840.1.114222.4.11.837	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.837/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.837/expansion</a>
<a href="#">Extended Pregnancy Status</a>	urn:oid:2.16.840.1.113762.1.4.1099.24	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.24/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.24/expansion</a>
<a href="#">Family Member Value</a>	urn:oid:2.16.840.1.113883.1.11.19579	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19579/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19579/expansion</a>
<a href="#">Financially Responsible Party Type Value Set</a>	urn:oid:2.16.840.1.113883.1.11.10416	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.10416/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.10416/expansion</a>
<a href="#">Health Insurance Type</a>	urn:oid:2.16.840.1.113883.3.88.123221.5.2	N/A
<a href="#">Healthcare Provider Taxonomy</a>	urn:oid:2.16.840.1.114222.4.11.1066	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.1066/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.1066/expansion</a>

Name	OID	URL
<a href="#">HL7 BasicConfidentialityKind</a>	urn:oid:2.16.840.1.113883.1.11.16926	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.16926/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.16926/expansion</a>
<a href="#">Implantable Device Status</a>	urn:oid:2.16.840.1.113762.1.4.1021.48	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.48/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.48/expansion</a>
<a href="#">INDRoleclassCodes</a>	urn:oid:2.16.840.1.113883.11.20.9.33	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.33/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.33/expansion</a>
<a href="#">Industry NAICS Detail (ODH)</a>	urn:oid:2.16.840.1.114222.4.11.7900	<a href="https://phinivads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7900">https://phinivads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7900</a>
<a href="#">Language</a>	urn:oid:2.16.840.1.113883.1.11.11526	<a href="http://www.loc.gov/standards/iso639-2/php/code_list.php">http://www.loc.gov/standards/iso639-2/php/code_list.php</a>
<a href="#">LanguageAbilityMode</a>	urn:oid:2.16.840.1.113883.1.11.12249	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12249/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12249/expansion</a>
<a href="#">LanguageAbilityProficiency</a>	urn:oid:2.16.840.1.113883.1.11.12199	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12199/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12199/expansion</a>
<a href="#">Marital Status</a>	urn:oid:2.16.840.1.113883.1.11.12212	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12212/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12212/expansion</a>
<a href="#">Medication Clinical Drug</a>	urn:oid:2.16.840.1.113762.1.4.1010.4	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.4/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.4/expansion</a>
<a href="#">Medication Route</a>	urn:oid:2.16.840.1.113762.1.4.1099.12	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.12/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.12/expansion</a>
<a href="#">Medication Status</a>	urn:oid:2.16.840.1.113762.1.4.1099.11	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.11/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.11/expansion</a>
<a href="#">MedicationDispense Status Codes</a>	urn:oid:2.16.840.1.113883.4.642.3.1312	<a href="http://hl7.org/fhir/R4/valueset-medicationdispense-status.html">http://hl7.org/fhir/R4/valueset-medicationdispense-status.html</a>
<a href="#">MoodCodeEvnInt</a>	urn:oid:2.16.840.1.113883.11.20.9.18	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.18/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.18/expansion</a>
<a href="#">No Immunization Reason</a>	urn:oid:2.16.840.1.113883.1.11.19717	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19717/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19717/expansion</a>
<a href="#">Note Types</a>	urn:oid:2.16.840.1.113883.11.20.9.68	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.68/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.68/expansion</a>
<a href="#">NUBC UB-04 FL17 Patient Status</a>	urn:oid:2.16.840.1.113883.3.88.12.80.33	<a href="http://www.nubc.org">http://www.nubc.org</a>
<a href="#">Nutrition Recommendations</a>	urn:oid:2.16.840.1.113883.1.11.20.2.9	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.9/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.9/expansion</a>

Name	OID	URL
<a href="#">Nutritional Status</a>	urn:oid:2.16.840.1.113883.1.11.20.2.7	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.7/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.7/expansion</a>
<a href="#">Observation Interpretation (HL7)</a>	urn:oid:2.16.840.1.113883.1.11.78	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.78/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.78/expansion</a>
<a href="#">Occupation ONETSOC Detail (ODH)</a>	urn:oid:2.16.840.1.114222.4.11.7901	<a href="https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7901">https://phinvads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7901</a>
<a href="#">ONC Administrative Sex</a>	urn:oid:2.16.840.1.113762.1.4.1	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1/expansion</a>
<a href="#">Patient Education</a>	urn:oid:2.16.840.1.113883.11.20.9.34	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.34/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.34/expansion</a>
<a href="#">Patient Referral Act moodCode</a>	urn:oid:2.16.840.1.113883.11.20.9.66	<a href="http://www.hl7.org/documentcenter/public/standards/vocabulary/vocabulary_tables/infrastructure/vocabulary/vocabulary.html">http://www.hl7.org/documentcenter/public/standards/vocabulary/vocabulary_tables/infrastructure/vocabulary/vocabulary.html</a>
<a href="#">Payer</a>	urn:oid:2.16.840.1.114222.4.11.3591	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.3591/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.114222.4.11.3591/expansion</a>
<a href="#">Personal And Legal Relationship Role Type</a>	urn:oid:2.16.840.1.113883.11.20.12.1	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.12.1/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.12.1/expansion</a>
<a href="#">Planned moodCode (Act/Encounter/Procedure)</a>	urn:oid:2.16.840.1.113883.11.20.9.23	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.23/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.23/expansion</a>
<a href="#">Planned moodCode (Observation)</a>	urn:oid:2.16.840.1.113883.11.20.9.25	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.25/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.25/expansion</a>
<a href="#">Planned moodCode (SubstanceAdministration/Supply)</a>	urn:oid:2.16.840.1.113883.11.20.9.24	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.24/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.24/expansion</a>
<a href="#">PostalAddressUse</a>	urn:oid:2.16.840.1.113883.1.11.10637	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.10637/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.10637/expansion</a>
<a href="#">PostalCode</a>	urn:oid:2.16.840.1.113883.3.88.12.80.2	<a href="http://ushik.ahrq.gov/ViewItemDetails?system=mdr&amp;itemKey=86671000">http://ushik.ahrq.gov/ViewItemDetails?system=mdr&amp;itemKey=86671000</a>
<a href="#">Pregnancy Intention</a>	urn:oid:2.16.840.1.113762.1.4.1166.22	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1166.22/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1166.22/expansion</a>
<a href="#">Pressure Ulcer Stage</a>	urn:oid:2.16.840.1.113883.11.20.9.35	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.35/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.35/expansion</a>
<a href="#">Problem</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.7.4	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.7.4/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.7.4/expansion</a>



Name	OID	URL
<a href="#">Problem Status</a>	urn:oid:2.16.840.1.113883.3.88.12.80.68	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.68/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.68/expansion</a>
<a href="#">Problem Type (LOINC)</a>	urn:oid:2.16.840.1.113762.1.4.1099.28	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.28/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.28/expansion</a>
<a href="#">Problem Type (SNOMEDCT)</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.7.2	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.7.2/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.7.2/expansion</a>
<a href="#">ProblemAct statusCode</a>	urn:oid:2.16.840.1.113883.11.20.9.19	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.19/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.19/expansion</a>
<a href="#">ProcedureAct statusCode</a>	urn:oid:2.16.840.1.113883.11.20.9.22	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.22/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.22/expansion</a>
<a href="#">Provider ED (NCHS)</a>	urn:oid:2.16.840.1.114222.4.11.7419	<a href="https://phinivads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7419">https://phinivads.cdc.gov/vads/ViewValueSet.action?oid=2.16.840.1.114222.4.11.7419</a>
<a href="#">Race Category Excluding Nulls</a>	urn:oid:2.16.840.1.113883.3.2074.1.1.3	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.2074.1.1.3/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.2074.1.1.3/expansion</a>
<a href="#">Race Value Set</a>	urn:oid:2.16.840.1.113883.1.11.14914	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.14914/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.14914/expansion</a>
<a href="#">Referral Types</a>	urn:oid:2.16.840.1.113883.11.20.9.56	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.56/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.56/expansion</a>
<a href="#">Religious Affiliation</a>	urn:oid:2.16.840.1.113883.1.11.19185	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19185/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19185/expansion</a>
<a href="#">Residence and Accommodation Type</a>	urn:oid:2.16.840.1.113883.11.20.9.49	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.49/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.49/expansion</a>
<a href="#">Result Status</a>	urn:oid:2.16.840.1.113883.11.20.9.39	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.39/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.39/expansion</a>
<a href="#">Severity</a>	urn:oid:2.16.840.1.113883.3.88.12.3221.6.8	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.6.8/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.3221.6.8/expansion</a>
<a href="#">Smoking Status</a>	urn:oid:2.16.840.1.113883.11.20.9.38	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.38/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.38/expansion</a>
<a href="#">Social History Type</a>	urn:oid:2.16.840.1.113883.3.88.12.80.60	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.60/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.60/expansion</a>
<a href="#">Specimen type</a>	urn:oid:2.16.840.1.113762.1.4.1099.54	<a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.54/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.54/expansion</a>
<a href="#">SPL Drug Route of Administration</a>	urn:oid:2.16.840.1.113883.3.88.12	<a href="https://vsac.nlm.nih.gov/valueset">https://vsac.nlm.nih.gov/valueset</a>

Name	OID	URL
<a href="#">Terminology</a>	.3221.8.7	<a href="#">/2.16.840.1.113883.3.88.12.3221.8.7/expansion</a>
<a href="#">StateValueSet</a>	urn:oid:2.16.840.1.113883.3.88.12.80.1	<a href="#">https://ushik.ahrq.gov/ViewItemDetails?system=mdr&amp;itemKey=86669000</a>
<a href="#">Substance Reactant for Intolerance</a>	urn:oid:2.16.840.1.113762.1.4.1010.1	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.1/expansion</a>
<a href="#">SupportedFileFormats</a>	urn:oid:2.16.840.1.113883.11.20.7.1	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.7.1/expansion</a>
<a href="#">TargetSite Qualifiers</a>	urn:oid:2.16.840.1.113883.11.20.9.37	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.37/expansion</a>
<a href="#">Telecom Use (US Realm Header)</a>	urn:oid:2.16.840.1.113883.11.20.9.20	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.20/expansion</a>
<a href="#">Tobacco Use</a>	urn:oid:2.16.840.1.113883.11.20.9.41	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.41/expansion</a>
<a href="#">TribalEntityUS</a>	urn:oid:2.16.840.1.113883.1.11.11.631	<a href="#">http://terminology.hl7.org/ValueSet/v3-TribalEntityUS</a>
<a href="#">UnitsOfMeasureCaseSensitive</a>	urn:oid:2.16.840.1.113883.1.11.12.839	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.12.839/expansion</a>
<a href="#">Vaccine Clinical Drug</a>	urn:oid:2.16.840.1.113762.1.4.1010.8	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1010.8/expansion</a>
<a href="#">Vital Sign Result Type</a>	urn:oid:2.16.840.1.113883.3.88.12.80.62	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.62/expansion</a>
<a href="#">Wound Characteristic</a>	urn:oid:2.16.840.1.113883.11.20.9.58	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.58/expansion</a>
<a href="#">Wound Measurements</a>	urn:oid:2.16.840.1.113883.1.11.20.2.5	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.5/expansion</a>
<a href="#">Wound Type</a>	urn:oid:2.16.840.1.113883.1.11.20.2.6	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.6/expansion</a>
<a href="#">x_ServiceEventPerformer</a>	urn:oid:2.16.840.1.113883.1.11.19.601	<a href="#">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19.601/expansion</a>

## 8 CODE SYSTEMS IN THIS GUIDE

**Table 413: Code Systems**

Name	OID
Administrative Gender	urn:oid:2.16.840.1.113883.5.1
CDC Vaccine Code (CVX)	urn:oid:2.16.840.1.113883.12.292
Country (ISO 3166-1)	urn:oid:1.0.3166.1
CPT	urn:oid:2.16.840.1.113883.6.12
DCM	urn:oid:1.2.840.10008.2.16.4
FIPS 5-2 (State)	urn:oid:2.16.840.1.113883.6.92
Healthcare Provider Taxonomy (HIPAA)	urn:oid:2.16.840.1.113883.6.101
HL7 Discharge Disposition	urn:oid:2.16.840.1.113883.12.112
HL7ActClass	urn:oid:2.16.840.1.113883.5.6
HL7ActCode	urn:oid:2.16.840.1.113883.5.4
HL7ActMood	urn:oid:2.16.840.1.113883.5.1001
HL7ActPriority	urn:oid:2.16.840.1.113883.5.7
HL7ActReason	urn:oid:2.16.840.1.113883.5.8
HL7ActRelationshipType	urn:oid:2.16.840.1.113883.5.1002
HL7ActStatus	urn:oid:2.16.840.1.113883.5.14
HL7AddressUse	urn:oid:2.16.840.1.113883.5.1119
HL7Confidentiality	urn:oid:2.16.840.1.113883.5.25
HL7EntityClass	urn:oid:2.16.840.1.113883.5.41
HL7EntityNamePartQualifier	urn:oid:2.16.840.1.113883.5.43
HL7EntityNameUse	urn:oid:2.16.840.1.113883.5.45
HL7LanguageAbilityMode	urn:oid:2.16.840.1.113883.5.60
HL7LanguageAbilityProficiency	urn:oid:2.16.840.1.113883.5.61
HL7MaritalStatus	urn:oid:2.16.840.1.113883.5.2
HL7NullFlavor	urn:oid:2.16.840.1.113883.5.1008
HL7ObservationValue	urn:oid:2.16.840.1.113883.5.1063
HL7ParticipationFunction	urn:oid:2.16.840.1.113883.5.88
HL7ParticipationSignature	urn:oid:2.16.840.1.113883.5.89
HL7ParticipationType	urn:oid:2.16.840.1.113883.5.90
HL7ReligiousAffiliation	urn:oid:2.16.840.1.113883.5.1076
HL7RoleClass	urn:oid:2.16.840.1.113883.5.110
HL7RoleCode	urn:oid:2.16.840.1.113883.5.111
HSLOC	urn:oid:2.16.840.1.113883.6.259
ICD-10-CM	urn:oid:2.16.840.1.113883.6.90
Insurance Type Code	urn:oid:2.16.840.1.113883.3.88.12.3221.5.2
Language	urn:oid:2.16.840.1.113883.6.121

Name	OID
LOINC	urn:oid:2.16.840.1.113883.6.1
Media Type	urn:oid:2.16.840.1.113883.5.79
MedicationDispense Status Codes	urn:oid:2.16.840.1.113883.4.642.4.1313
NCI Thesaurus (NCIt)	urn:oid:2.16.840.1.113883.3.26.1.1
NDFRT	urn:oid:2.16.840.1.113883.3.26.1.5
NUBC UB-04 Patient Discharge Status code set	urn:oid:2.16.840.1.113883.6.301.5
ObservationInterpretation	urn:oid:2.16.840.1.113883.5.83
PH_OccupationalDataForHealth_ODH	urn:oid:2.16.840.1.114222.4.5.327
PHIN VS (CDC Local Coding System)	urn:oid:2.16.840.1.114222.4.5.274
ProvenanceParticipantType	urn:oid:2.16.840.1.113883.4.642.4.1131
Provider Role (HL7)	urn:oid:2.16.840.1.113883.3.88.12.3221.4
Race & Ethnicity - CDC	urn:oid:2.16.840.1.113883.6.238
RxNorm	urn:oid:2.16.840.1.113883.6.88
SNOMED CT	urn:oid:2.16.840.1.113883.6.96
Source of Payment Typology (PHDSC)	urn:oid:2.16.840.1.113883.3.221.5
TribalEntityUS	urn:oid:2.16.840.1.113883.5.140
UCUM	urn:oid:1.3.6.1.4.1.12009.10.3.1
UCUM	urn:oid:2.16.840.1.113883.6.8
USPostalCodes	urn:oid:2.16.840.1.113883.6.231

## 9 CHANGES FROM PREVIOUS VERSION

### 9.1 Emergency Department Encounter (NHCS-ED) (V7)

Emergency Department Encounter (NHCS-ED) (V7)

(urn:hl7ii:2.16.840.1.113883.10.20.34.1.4:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Emergency Department Encounter (NHCS-ED, NHAMCS-ED) (V6:3.1)	Emergency Department Encounter (NHCS-ED) (V7)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.1.4:2022-01-01.3.1	urn:hl7ii:2.16.840.1.113883.10.20.34.1.4:2025-08-01
Description	This template describes constraints that are specific to the emergency department encounter surveys (NHCS-ED, NHAMCS-ED).	This template describes constraints that are specific to the emergency department encounter surveys (NHCS-ED).
Implied Template	National Health Care Surveys (V5:3.1) (urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2022-01-01.3.1)	National Health Care Surveys (V6) (urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01)
CONF #: 5564-33334 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33334) such that it
CONF #: 5564-33335 Added		SHALL contain exactly one [1..1] section (CONF:5564-33335).
CONF #: 5564-33336 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33336) such that it
CONF #: 5564-33337 Added		SHALL contain exactly one [1..1] section (CONF:5564-33337).
CONF #: 5564-33338 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33338) such that it
CONF #: 5564-33339 Added		SHALL contain exactly one [1..1] section (CONF:5564-33339).
CONF #: 5564-33340 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33340) such that it
CONF #: 5564-33341 Added		SHALL contain exactly one [1..1] section (CONF:5564-33341).
CONF #: 5564-33342 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33342) such that it
CONF #: 5564-33343 Added		SHALL contain exactly one [1..1] section (CONF:5564-33343).
CONF #: 5564-33344 Added		This structuredBody MAY contain zero or one [0..1] component

Change	Old	New
		(CONF:5564-33344) such that it
CONF #: 5564-33345 Added		SHALL contain exactly one [1..1] section (CONF:5564-33345).
CONF #: 5564-33354 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33354) such that it
CONF #: 5564-33355 Added		SHALL contain exactly one [1..1] section (CONF:5564-33355).
CONF #: 4530-576 Removed	This structuredBody MAY contain zero or one [0..1] component (CONF:4530-576) such that it	
CONF #: 4530-586 Removed	SHALL contain exactly one [1..1] section (CONF:4530-586).	
CONF #: 4530-577 Removed	This structuredBody MAY contain zero or one [0..1] component (CONF:4530-577) such that it	
CONF #: 4530-587 Removed	SHALL contain exactly one [1..1] section (CONF:4530-587).	
CONF #: 4530-581 Removed	This structuredBody MAY contain zero or one [0..1] component (CONF:4530-581) such that it	
CONF #: 4530-591 Removed	SHALL contain exactly one [1..1] section (CONF:4530-591).	
CONF #: 4530-809 Removed	This structuredBody MAY contain zero or one [0..1] component (CONF:4530-809) such that it	
CONF #: 4530-810 Removed	SHALL contain exactly one [1..1] section (CONF:4530-810).	
CONF #: 5564-866 Modified	SHALL contain exactly one [1..1] @extension="2022-01-01.3.1" (CONF:4530-866).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-866).

## 9.2 Inpatient Encounter (NHCS-IP) (V7)

Inpatient Encounter (NHCS-IP) (V7) (urn:hl7ii:2.16.840.1.113883.10.20.34.1.2:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Inpatient Encounter (NHCS-IP) (V6:3.1)	Inpatient Encounter (NHCS-IP) (V7)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.1.2:2022-01-01.3.1	urn:hl7ii:2.16.840.1.113883.10.20.34.1.2:2025-08-01
Implied Template	National Health Care Surveys (V5:3.1) (urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2022-01-01.3.1)	National Health Care Surveys (V6) (urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01)
CONF #: 5564-29080 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-29080) such that it
CONF #: 5564-29081 Added		SHALL contain exactly one [1..1] section (CONF:5564-29081).
CONF #: 5564-29082 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-29082) such that it
CONF #: 5564-29083 Added		SHALL contain exactly one [1..1] section (CONF:5564-29083).
CONF #: 5564-29084 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-29084) such that it
CONF #: 5564-29085 Added		SHALL contain exactly one [1..1] section (CONF:5564-29085).
CONF #: 5564-29088 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-29088) such that it
CONF #: 5564-29089 Added		SHALL contain exactly one [1..1] section (CONF:5564-29089).
CONF #: 5564-29100 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-29100) such that it
CONF #: 5564-29101 Added		SHALL contain exactly one [1..1] section (CONF:5564-29101).
CONF #: 5564-32833 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-32833) such that it
CONF #: 5564-32834 Added		SHALL contain exactly one [1..1] section (CONF:5564-32834).
CONF #: 5564-33350 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33350) such that it
CONF #: 5564-33351 Added		SHALL contain exactly one [1..1]

Change	Old	New
		section (CONF:5564-33351).
CONF #: 4530-246 Removed	This structuredBody MAY contain zero or one [0..1] component (CONF:4530-246) such that it	
CONF #: 4530-247 Removed	SHALL contain exactly one [1..1] section (CONF:4530-247).	
CONF #: 4530-260 Removed	This structuredBody MAY contain zero or one [0..1] component (CONF:4530-260) such that it	
CONF #: 4530-261 Removed	SHALL contain exactly one [1..1] section (CONF:4530-261).	
CONF #: 4530-262 Removed	This structuredBody MAY contain zero or one [0..1] component (CONF:4530-262) such that it	
CONF #: 4530-263 Removed	SHALL contain exactly one [1..1] section (CONF:4530-263).	
CONF #: 5564-767 Modified	SHALL contain exactly one [1..1] @extension="2022-01-01.3.1" (CONF:4530-767).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-767).



### 9.3 National Health Care Surveys (V6)

National Health Care Surveys (V6) (urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	National Health Care Surveys (V5:3.1)	National Health Care Surveys (V6)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2022-01-01.3.1	urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01
Description	<p>This document-level template describes constraints that apply to three National Health Care Surveys conducted by the Centers for Disease Control and Prevention (CDC) National Center for Health Statistics (NCHS): the National Ambulatory Medical Care Survey (NAMCS), the National Hospital Ambulatory Medical Care Survey (NHAMCS), and the National Hospital Care Survey (NHCS). These surveys collect data from physicians, ambulatory care centers, and hospitals about visits to inpatient (IP), outpatient (OP), and emergency department (ED) settings. Data collected are analyzed to produce nationally representative statistics to answer key questions about health care utilization, quality, and disparities for public health professionals, researchers, and health care policy makers. Data captured include information on patient demographics, symptoms, diagnoses, medications, therapeutic and diagnostic procedures, patient management, and planned future treatments. Given the similarities of data collected across the surveys, the structured documents specified in this guide are organized by setting of visit rather than by survey. This template is applicable to all three surveys (NAMCS, NHAMCS, and NHCS) and all care settings (ED, IP, and OP).</p>	<p>This document-level template describes constraints that apply to two National Health Care Surveys conducted by the National Center for Health Statistics (NCHS): the National Ambulatory Medical Care Survey (NAMCS) and the National Hospital Care Survey (NHCS). These surveys collect data from physicians, ambulatory care centers, and hospitals about visits to inpatient (IP), outpatient (OP), and emergency department (ED) settings. Data collected are analyzed to produce nationally representative statistics to answer key questions about health care utilization, quality, and disparities for public health professionals, researchers, and health care policy makers. Data captured include information on patient demographics, symptoms, diagnoses, medications, therapeutic and diagnostic procedures, patient management, and planned future treatments. Given the similarities of data collected across the surveys, the structured documents specified in this guide are organized by setting of visit rather than by survey. This template is applicable to both surveys (NAMCS and NHCS) and all care settings (ED, IP, and OP).</p> <p><b>**Note**:</b> Value sets in this Implementation Guide are developed by outside entities (e.g., HL7) and cannot be altered by NCHS. In compliance with Executive Order 14168 (January 20, 2025), the National Health Care Surveys will only publish patient</p>

Change	Old	New
		encounter records where the “patient sex” or “gender” variable options are “male” or “female.” In addition, we will not publish any data related to structured evaluation of risk for the social determinants of health domains. These actions will be implemented pending further direction by the Assistant Secretary for Technology Policy/Office of the National Coordinator for Health IT.
Implied Template	US Realm Header (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2015-08-01)	US Realm Header (V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.1.1:2023-05-01)
CONF #: 5564-29112 Added		MAY contain zero or more [0..*] participant (CONF:5564-29112).
CONF #: 5564-29114 Added		MAY contain exactly one [1..1] author (CONF:5564-29114).
CONF #: 5564-877 Modified	SHALL contain exactly one [1..1] @extension="2022-01-01.3.1" (CONF:4530-877).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-877).

## 9.4 Outpatient Encounter (NHCS-OPD, NAMCS) (V7)

Outpatient Encounter (NHCS-OPD, NAMCS) (V7)

(urn:hl7ii:2.16.840.1.113883.10.20.34.1.3:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Outpatient Encounter (NHCS-OPD, NAMCS, NHAMCS-OPD) (V6:3.1)	Outpatient Encounter (NHCS-OPD, NAMCS) (V7)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.1.3:2022-01-01.3.1	urn:hl7ii:2.16.840.1.113883.10.20.34.1.3:2025-08-01
Description	This template describes constraints that are specific to the outpatient encounter surveys (NHCS-OPD, NAMCS, NHAMCS-OPD).	This template describes constraints that are specific to the outpatient encounter surveys (NHCS-OPD, NAMCS).
Implied Template	National Health Care Surveys (V5:3.1) (urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2022-01-01.3.1)	National Health Care Surveys (V6) (urn:hl7ii:2.16.840.1.113883.10.20.34.1.1:2025-08-01)
CONF #: 5564-33322 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33322) such that it
CONF #: 5564-33323 Added		SHALL contain exactly one [1..1] section (CONF:5564-33323).
CONF #: 5564-33324 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33324) such that it
CONF #: 5564-33325 Added		SHALL contain exactly one [1..1] section (CONF:5564-33325).
CONF #: 5564-33326 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33326) such that it
CONF #: 5564-33327 Added		SHALL contain exactly one [1..1] section (CONF:5564-33327).
CONF #: 5564-33328 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33328) such that it
CONF #: 5564-33329 Added		SHALL contain exactly one [1..1] section (CONF:5564-33329).
CONF #: 5564-33330 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33330) such that it
CONF #: 5564-33331 Added		SHALL contain exactly one [1..1] section (CONF:5564-33331).
CONF #: 5564-33332 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33332) such that it
CONF #: 5564-33333 Added		SHALL contain exactly one [1..1] section (CONF:5564-33333).

Change	Old	New
CONF #: 5564-33352 Added		This structuredBody MAY contain zero or one [0..1] component (CONF:5564-33352) such that it
CONF #: 5564-33353 Added		SHALL contain exactly one [1..1] section (CONF:5564-33353).
CONF #: 4530-286 Removed	This structuredBody MAY contain zero or one [0..1] component (CONF:4530-286) such that it	
CONF #: 4530-287 Removed	SHALL contain exactly one [1..1] section (CONF:4530-287).	
CONF #: 4530-296 Removed	This structuredBody MAY contain zero or one [0..1] component (CONF:4530-296) such that it	
CONF #: 4530-297 Removed	SHALL contain exactly one [1..1] section (CONF:4530-297).	
CONF #: 4530-298 Removed	This structuredBody MAY contain zero or one [0..1] component (CONF:4530-298) such that it	
CONF #: 4530-299 Removed	SHALL contain exactly one [1..1] section (CONF:4530-299).	
CONF #: 5564-768 Modified	SHALL contain exactly one [1..1] @extension="2022-01-01.3.1" (CONF:4530-768).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-768).

## 9.5 Allergy - Intolerance Observation (NHCS V3)

### Allergy - Intolerance Observation (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Allergy - Intolerance Observation (V2)	Allergy - Intolerance Observation (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.4.7:2025-08-01
Description	<p>This template reflects a discrete observation about a patient's allergy or intolerance. Because it is a discrete observation, it will have a statusCode of "completed". The effectiveTime, also referred to as the "clinically relevant time" is the time at which the observation holds for the patient. For a provider seeing a patient in the clinic today, observing a history of penicillin allergy that developed five years ago, the effectiveTime is five years ago.</p> <p>The effectiveTime of the Allergy - Intolerance Observation is the definitive indication of whether or not the underlying allergy/intolerance is resolved. If known to be resolved, then an effectiveTime/high would be present. If the date of resolution is not known, then effectiveTime/high will be present with a nullFlavor of "UNK".</p> <p>The agent responsible for an allergy or adverse reaction is not always a manufactured material (for example, food allergies), nor is it necessarily consumed. The following constraints reflect limitations in the base CDA R2 specification, and should be used to represent any type of responsible agent, i.e., use playingEntity classCode = "MMAT" for all agents, manufactured or not.</p>	<p>The C-CDA template, Allergy - Intolerance Observation (V2), has been versioned in this guide to support USCDI-v3.</p> <p>This template reflects a discrete observation about a patient's allergy or intolerance. Because it is a discrete observation, it will have a statusCode of "completed". The effectiveTime, also referred to as the "clinically relevant time" is the time at which the observation holds for the patient. For a provider seeing a patient in the clinic today, observing a history of penicillin allergy that developed five years ago, the effectiveTime is five years ago.</p> <p>The effectiveTime of the Allergy - Intolerance Observation is the definitive indication of whether or not the underlying allergy/intolerance is resolved. If known to be resolved, then an effectiveTime/high would be present. If the date of resolution is not known, then effectiveTime/high will be present with a nullFlavor of "UNK".</p> <p>The agent responsible for an allergy or adverse reaction is not always a manufactured material (for example, food allergies), nor is it necessarily consumed. The following constraints reflect limitations in the base CDA R2 specification, and should be used to represent any type of responsible agent, i.e., use playingEntity classCode = "MMAT" for all agents, manufactured or not.</p>

Change	Old	New
Implied Template	Substance or Device Allergy - Intolerance Observation (V2) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2014-06-09)	Substance or Device Allergy - Intolerance Observation (NHCS V3) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01)
CONF #: 5564-32526 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32526).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32526).

## 9.6 Allergy Concern Act (NHCS V4)

Allergy Concern Act (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Allergy Concern Act (V3)	Allergy Concern Act (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.30:2025-08-01
Description	<p>This template reflects an ongoing concern on behalf of the provider that placed the allergy on a patient's allergy list. As long as the underlying condition is of concern to the provider (i.e., as long as the allergy, whether active or resolved, is of ongoing concern and interest to the provider), the statusCode is "active". Only when the underlying allergy is no longer of concern is the statusCode set to "completed". The effectiveTime reflects the time that the underlying allergy was felt to be a concern.</p> <p>The statusCode of the Allergy Concern Act is the definitive indication of the status of the concern, whereas the effectiveTime of the nested Allergy - Intolerance Observation is the definitive indication of whether or not the underlying allergy is resolved.</p> <p>The effectiveTime/low of the Allergy Concern Act asserts when the concern became active. This equates to the time the concern was authored in the patient's chart. The effectiveTime/high asserts when the concern was completed (e.g., when the clinician deemed there is no longer any need to track the underlying condition).</p>	<p>The C-CDA template, Allergy Concern Act (V3), has been versioned in this guide to support USCDI-v3.</p> <p>This template reflects an ongoing concern on behalf of the provider that placed the allergy on a patient's allergy list. As long as the underlying condition is of concern to the provider (i.e., as long as the allergy, whether active or resolved, is of ongoing concern and interest to the provider), the statusCode is "active". Only when the underlying allergy is no longer of concern is the statusCode set to "completed". The effectiveTime reflects the time that the underlying allergy was felt to be a concern.</p> <p>The statusCode of the Allergy Concern Act is the definitive indication of the status of the concern, whereas the effectiveTime of the nested Allergy - Intolerance Observation is the definitive indication of whether or not the underlying allergy is resolved.</p> <p>The effectiveTime/low of the Allergy Concern Act asserts when the concern became active. This equates to the time the concern was authored in the patient's chart. The effectiveTime/high asserts when the concern was completed (e.g., when the clinician deemed there is no longer any need to track the underlying condition).</p>
CONF #: 5564-32543 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32543).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32543).

## 9.7 Assessment Scale Observation (NHCS V3)

### Assessment Scale Observation (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Assessment Scale Observation (V2)	Assessment Scale Observation (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2022-06-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.69:2025-08-01
Description	<p>An assessment scale is a collection of observations that together can yield a calculated or non-calculated summary evaluation of a one or more conditions. Examples include the Braden Scale (assesses pressure ulcer risk), APACHE Score (estimates mortality in critically ill patients), Mini-Mental Status Exam (assesses cognitive function), APGAR Score (assesses the health of a newborn), Glasgow Coma Scale (assesses coma and impaired consciousness), and WE CARE (Well Child Care, Evaluation, Community Resources, Advocacy, Referral, Education - a clinic-based screening and referral system developed for pediatric settings).</p> <p>When an Assessment Scale Observation is contained in a Problem Observation, a Social History Observation or a Procedure instance that is Social Determinant of Health focused, that Assessment scale <b>MAY</b> contain assessment scale observations that represent question and answer pairs from SDOH screening instruments that are represented in LOINC. Note that guidance on the use of LOINC in assessment scales already exists in Assessment Scale Observation constraints and Assessment Scale Supporting Observations constraints.</p>	<p>The C-CDA template, Assessment Scale Supporting Observation (V2), has been versioned in this guide to support USCDI-v3.</p> <p>An assessment scale is a collection of observations that together can yield a calculated or non-calculated summary evaluation of a one or more conditions. Examples include the Braden Scale (assesses pressure ulcer risk), APACHE Score (estimates mortality in critically ill patients), Mini-Mental Status Exam (assesses cognitive function), APGAR Score (assesses the health of a newborn), Glasgow Coma Scale (assesses coma and impaired consciousness), and WE CARE (Well Child Care, Evaluation, Community Resources, Advocacy, Referral, Education - a clinic-based screening and referral system developed for pediatric settings).</p> <p>When an Assessment Scale Observation is contained in a Problem Observation, a Social History Observation or a Procedure instance that is Social Determinant of Health focused, that Assessment scale <b>MAY</b> contain assessment scale observations that represent question and answer pairs from SDOH screening instruments that are represented in LOINC. Note that guidance on the use of LOINC in assessment scales already exists in Assessment Scale Observation constraints and Assessment Scale Supporting Observations constraints.</p>
CONF #: 5564-33037 Modified	SHALL contain exactly one [1..1] @extension="2022-06-01"	SHALL contain exactly one [1..1] @extension="2025-08-01"



Change	Old	New
	(CONF:4515-33037).	(CONF:5564-33037).

## 9.8 Basic Industry Observation (NHCS V2)

### Basic Industry Observation (NHCS V2)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Basic Industry Observation	Basic Industry Observation (NHCS V2)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2023-05-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2025-08-01
Description	<p>This template represents a simple observation about the type of business that compensates for work or assigns work to an unpaid worker or volunteer (e.g., U.S. Army, cement manufacturing, children and youth services). Multiple occupation industry observation instances in a single document or derived from multiple documents, represent a basic historical industry record.</p> <p>Implementers should use the Basic Industry Observation template for conveying Industry in support of USCDI v3. It is recommended systems include the Basic Industry Observation in the Social History section. Implementers wishing to convey more advanced Industry detail may consider using [HL7 CDA® R2 Implementation Guide: C-CDA R2.1 Supplemental Templates for Occupational Data for Health](https://www.hl7.org/implementation/standards/product_brief.cfm?product_id=522) in addition to this Observation.</p>	<p>The C-CDA template, Basic Industry Observation, has been versioned in this guide to support USCDI-v3.</p> <p>This template represents a simple observation about the type of business that compensates for work or assigns work to an unpaid worker or volunteer (e.g., U.S. Army, cement manufacturing, children and youth services). Multiple occupation industry observation instances in a single document or derived from multiple documents, represent a basic historical industry record.</p> <p>Implementers should use the Basic Industry Observation template for conveying Industry in support of USCDI v3. It is recommended systems include the Basic Industry Observation in the Social History section. Implementers wishing to convey more advanced Industry detail may consider using [HL7 CDA® R2 Implementation Guide: C-CDA R2.1 Supplemental Templates for Occupational Data for Health](https://www.hl7.org/implementation/standards/product_brief.cfm?product_id=522) in addition to this Observation.</p>
Implied Template	Social History Observation (V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2022-06-01)	Social History Observation (NHCS V5) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01)
CONF #: 5564-33368 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.504" (CONF:5564-33368).
CONF #: 5564-33369 Added		SHALL contain exactly one [1..1]

Change	Old	New
		@extension="2025-08-01" (CONF:5564-33369).
CONF #: 5564-33370 Added		SHALL contain exactly one [1..1] @classCode="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-33370).
CONF #: 5564-33371 Added		SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-33371).
CONF #: 5564-33372 Added		SHALL contain exactly one [1..1] value, which SHALL be selected from ValueSet Industry NAICS Detail (ODH) urn:oid:2.16.840.1.114222.4.11.79 00 DYNAMIC (CONF:5564-33372).
CONF #: 4537-33013 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.4.504" (CONF:4537-33013).	
CONF #: 4537-33014 Removed	SHALL contain exactly one [1..1] @extension="2023-05-01" (CONF:4537-33014).	
CONF #: 4537-33018 Removed	SHALL contain exactly one [1..1] @classCode="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:4537-33018).	
CONF #: 4537-33019 Removed	SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4537-33019).	
CONF #: 4537-33022 Removed	SHALL contain exactly one [1..1] value, which SHALL be selected from ValueSet Industry NAICS Detail (ODH) urn:oid:2.16.840.1.114222.4.11.79 00 DYNAMIC (CONF:4537-33022).	

## 9.9 Basic Occupation Observation (NHCS V2)

### Basic Occupation Observation (NHCS V2)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Basic Occupation Observation	Basic Occupation Observation (NHCS V2)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2023-05-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2025-08-01
Description	<p>This template represents a simple observation about the type of work (e.g., infantry, business analyst, social worker) of a person. The effectiveTime low and high represent the start and end times of a particular observation about an occupation. Multiple occupation observation instances in a single document or derived from multiple documents, represent a basic historical occupation record. Implementers should use the Basic Occupation Observation template for conveying occupation information in support of USCDI v3. It is recommended systems include the Basic Industry Observation in the Social History section.</p> <p>Implementers wishing to convey more advanced Occupation detail, such as employer, usual work (longest held), or other work related observations may consider using [HL7 CDA® R2 Implementation Guide: C-CDA R2.1 Supplemental Templates for Occupational Data for Health](https://www.hl7.org/implementation/standards/product_brief.cfm?product_id=522) in addition to this Observation.</p>	<p>The C-CDA template, Basic Occupation Observation, has been versioned in this guide to support USCDI-v3.</p> <p>fThis template represents a simple observation about the type of work (e.g., infantry, business analyst, social worker) of a person. The effectiveTime low and high represent the start and end times of a particular observation about an occupation. Multiple occupation observation instances in a single document or derived from multiple documents, represent a basic historical occupation record. Implementers should use the Basic Occupation Observation template for conveying occupation information in support of USCDI v3. It is recommended systems include the Basic Industry Observation in the Social History section.</p> <p>Implementers wishing to convey more advanced Occupation detail, such as employer, usual work (longest held), or other work related observations may consider using [HL7 CDA® R2 Implementation Guide: C-CDA R2.1 Supplemental Templates for Occupational Data for Health](https://www.hl7.org/implementation/standards/product_brief.cfm?product_id=522) in addition to this Observation.</p>
Implied Template	Social History Observation (V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2022-06-01)	Social History Observation (NHCS V5) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01)

Change	Old	New
CONF #: 5564-33373 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33373) such that it
CONF #: 5564-33374 Added		SHALL contain exactly one [1..1] code (CONF:5564-33374).
CONF #: 5564-33375 Added		SHALL contain exactly one [1..1] statusCode (CONF:5564-33375).
CONF #: 5564-33376 Added		Indicates that this observation is for a related person whose occupation may affect the patient. MAY contain zero or one [0..1] subject (CONF:5564-33376).
CONF #: 5564-33377 Added		SHOULD contain zero or one [0..1] entryRelationship (CONF:5564-33377) such that it
CONF #: 5564-33378 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33378).
CONF #: 5564-33379 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2.4.503" (CONF:5564-33379).
CONF #: 5564-33380 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33380).
CONF #: 5564-33381 Added		The subject, if present, SHALL contain exactly one [1..1] relatedSubject (CONF:5564-33381).
CONF #: 5564-33382 Added		SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33382).
CONF #: 4537-32995 Removed	SHALL contain exactly one [1..1] templateId (CONF:4537-32995) such that it	
CONF #: 4537-32996 Removed	SHALL contain exactly one [1..1] code (CONF:4537-32996).	
CONF #: 4537-32997 Removed	SHALL contain exactly one [1..1] statusCode (CONF:4537-32997).	
CONF #: 4537-32998 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2.4.503" (CONF:4537-32998).	
CONF #: 4537-32999 Removed	SHALL contain exactly one [1..1] @extension="2023-05-01" (CONF:4537-32999).	
CONF #: 4537-33058 Removed	Indicates that this observation is for a related person whose occupation may affect the patient.	

Change	Old	New
	MAY contain zero or one [0..1] subject (CONF:4537-33058).	
CONF #: 4537-33059 Removed	The subject, if present, SHALL contain exactly one [1..1] relatedSubject (CONF:4537-33059).	
CONF #: 4537-33060 Removed	SHOULD contain zero or one [0..1] entryRelationship (CONF:4537-33060) such that it	
CONF #: 4537-33062 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4537-33062).	
CONF #: 4537-33063 Removed	SHALL contain exactly one [1..1] observation (CONF:4537-33063).	

## 9.10 Current Emergency Department Visit (V5)

### Current Emergency Department Visit (V5)

(urn:hl7ii:2.16.840.1.113883.10.20.34.3.40:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Current Emergency Department Visit (V4)	Current Emergency Department Visit (V5)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.3.40:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.34.3.40:2025-08-01
Description	<p>This template represents the patient's current emergency department visit. This template is based on the C-CDA Encounter Activity template and further constrains that template. The primary diagnosis and encounter diagnoses are recorded in this template. The External Document Reference template and Note Activity template are used to record clinician notes (e.g., notes from physicians, nurses, PAs, NPs and CNMs) such as Triage, Intake, History of Present Illness, Clinical Impression, and Discharge.</p>	<p>This template represents the patient's current emergency department visit. This template is based on the C-CDA Encounter Activity template and further constrains that template. The primary diagnosis and encounter diagnoses are recorded in this template.</p> <p>When submitting data for the National Health Care Surveys, inclusion of coded problem data is required when available. Use a Principal Diagnosis (V3) with problem code, a Primary Diagnosis Observation (V5) with problem code, or both.</p> <p>The External Document Reference template and Note Activity template are used to record clinician notes (e.g., notes from physicians, nurses, PAs, NPs and CNMs) such as Triage, Intake, History of Present Illness, Clinical Impression, and Discharge.</p>
Implied Template	Encounter Activity (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2015-08-01)	Encounter Activity (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01)
CONF #: 4447-1001 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-1001) such that it	
CONF #: 4447-1115 Removed	SHALL contain exactly one [1..1] observation (CONF:4447-1115).	
CONF #: 4447-1002 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-1002) such that it	
CONF #: 4447-1025 Removed	SHALL contain exactly one [1..1] observation (CONF:4447-1025). Note: Mode of arrival	

Change	Old	New
CONF #: 4447-1003 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-1003) such that it	
CONF #: 4447-1028 Removed	SHALL contain exactly one [1..1] observation (CONF:4447-1028). Note: Was this patient seen in this ED and discharged in the prior 72 hours?	
CONF #: 4447-1005 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-1005) such that it	
CONF #: 4447-1034 Removed	SHALL contain exactly one [1..1] observation (CONF:4447-1034). Note: Point of Origin	
CONF #: 4447-1155 Removed	MAY contain zero or more [0..*] reference (CONF:4447-1155) such that it	
CONF #: 4447-1157 Removed	SHALL contain exactly one [1..1] externalDocument (CONF:4447-1157).	
CONF #: 4447-1021 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-1021).	
CONF #: 4447-1024 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-1024).	
CONF #: 4447-1027 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-1027).	
CONF #: 4447-1033 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-1033).	
CONF #: 4447-1156 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-1156).	
CONF #: 5564-1011 Modified	SHALL contain exactly one [1..1]	SHALL contain exactly one [1..1]



Change	Old	New
	@extension="2019-08-01" (CONF:4447-1011).	@extension="2025-08-01" (CONF:5564-1011).
CONF #: 5564-29079 Modified	This encounter SHALL contain Principal Diagnosis (V2) (2.16.840.1.113883.10.20.24.3.152 :2019-08-01), Primary Diagnosis Observation (V4) (2.16.840.1.113883.10.20.34.3.6:2 019-08-01), or both (CONF:4447- 29079).	This encounter SHALL contain Principal Diagnosis (V3) (2.16.840.1.113883.10.20.24.3.152 :2025-08-01), Primary Diagnosis Observation (V5) (2.16.840.1.113883.10.20.34.3.6:2 025-08-01), or both (CONF:5564- 29079).

## 9.11 Current Inpatient Visit (V4)

Current Inpatient Visit (V4) (urn:hl7ii:2.16.840.1.113883.10.20.34.3.39:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Current Inpatient Visit (V3)	Current Inpatient Visit (V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.3.39:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.34.3.39:2025-08-01
Description	<p>This template represents the patient's current inpatient visit to the facility. This template is based on the C-CDA Encounter Activity template and further constrains that template. The primary diagnosis and encounter diagnoses are recorded in this template. The External Document Reference template and Note Activity template are used to record clinician notes (e.g., notes from physicians, nurses, PAs, NPs and CNMs) such as Triage, Intake, History of Present Illness, Clinical Impression, and Discharge.</p>	<p>This template represents the patient's current inpatient visit to the facility. This template is based on the C-CDA Encounter Activity template and further constrains that template. The primary diagnosis and encounter diagnoses are recorded in this template.</p> <p>When submitting data for the National Health Care Surveys, inclusion of coded problem data is required when available. Use a Principal Diagnosis (V3) with problem code, a Primary Diagnosis Observation (V5) with problem code, or both.</p> <p>The External Document Reference template and Note Activity template are used to record clinician notes (e.g., notes from physicians, nurses, PAs, NPs and CNMs) such as Triage, Intake, History of Present Illness, Clinical Impression, and Discharge.</p>
Implied Template	Encounter Activity (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2015-08-01)	Encounter Activity (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01)
CONF #: 4447-956 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-956) such that it	
CONF #: 4447-981 Removed	SHALL contain exactly one [1..1] observation (CONF:4447-981). Note: Admission priority	
CONF #: 4447-957 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-957) such that it	
CONF #: 4447-986 Removed	SHALL contain exactly one [1..1] observation (CONF:4447-986). Note: Point of Origin	
CONF #: 4447-980 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem:	

Change	Old	New
	HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-980).	
CONF #: 4447-985 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-985).	
CONF #: 5564-989 Modified	SHALL contain exactly one [1..1] @extension="2019-08-01" (CONF:4447-989).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-989).
CONF #: 5564-29077 Modified	This encounter SHALL contain Principal Diagnosis (V2) (2.16.840.1.113883.10.20.24.3.152 :2019-08-01), Primary Diagnosis Observation (V4) (2.16.840.1.113883.10.20.34.3.6:2 019-08-01), or both (CONF:4447- 29077).	This encounter SHALL contain Principal Diagnosis (V3) (2.16.840.1.113883.10.20.24.3.152 :2025-08-01), Primary Diagnosis Observation (V5) (2.16.840.1.113883.10.20.34.3.6:2 025-08-01), or both (CONF:5564- 29077).

## 9.12 Current Outpatient Visit (V6)

Current Outpatient Visit (V6) (urn:hl7ii:2.16.840.1.113883.10.20.34.3.10:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Current Outpatient Visit (V5)	Current Outpatient Visit (V6)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.3.10:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.34.3.10:2025-08-01
Description	<p>This template represents the patient's current outpatient visit to the facility. This template is based on the C-CDA Encounter Activity template and further constrains that template. The primary diagnosis and encounter diagnoses are recorded in this template. Any clinical notes or external documents about the visit are referenced through the Clinical Note and External Document Reference template.</p>	<p>This template represents the patient's current outpatient visit to the facility. This template is based on the C-CDA Encounter Activity template and further constrains that template. The primary diagnosis and encounter diagnoses are recorded in this template.</p> <p>When submitting data for the National Health Care Surveys, inclusion of coded problem data is required when available. Use a Principal Diagnosis (V3) with problem code, a Primary Diagnosis Observation (V5) with problem code, or both.</p> <p>Any clinical notes or external documents about the visit are referenced through the Clinical Note and External Document Reference template.</p>
Implied Template	Encounter Activity (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2015-08-01)	Encounter Activity (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01)
CONF #: 4447-469 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-469) such that it	
CONF #: 4447-470 Removed	SHALL contain exactly one [1..1] observation (CONF:4447-470). Note: Number of Past Visits in the Last 12 Months	
CONF #: 4447-471 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-471) such that it	
CONF #: 4447-472 Removed	SHALL contain exactly one [1..1] observation (CONF:4447-472). Note: Major Reason for This Visit	
CONF #: 4447-747 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-747) such that it	

Change	Old	New
CONF #: 4447-1063 Removed	SHALL contain exactly one [1..1] observation (CONF:4447-1063). Note: Initial or follow-up visit	
CONF #: 4447-1152 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-1152) such that it	
CONF #: 4447-1154 Removed	SHALL contain exactly one [1..1] observation (CONF:4447-1154).	
CONF #: 4447-1158 Removed	MAY contain zero or more [0..*] reference (CONF:4447-1158) such that it	
CONF #: 4447-1160 Removed	SHALL contain exactly one [1..1] externalDocument (CONF:4447-1160).	
CONF #: 4447-484 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4447-484) such that it	
CONF #: 4447-486 Removed	SHALL contain exactly one [1..1] act (CONF:4447-486).	
CONF #: 4447-474 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-474).	
CONF #: 4447-475 Removed	SHALL contain exactly one [1..1] @typeCode="RSON" Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-475).	
CONF #: 4447-748 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-748).	
CONF #: 4447-1153 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-1153).	
CONF #: 4447-1159 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-1159).	
CONF #: 4447-485 Removed	SHALL contain exactly one [1..1]	

Change	Old	New
	@typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4447-485).	
CONF #: 5564-993 Modified	SHALL contain exactly one [1..1] @extension="2019-08-01" (CONF:4447-993).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-993).
CONF #: 5564-29078 Modified	This encounter SHALL contain Principal Diagnosis (V2) (2.16.840.1.113883.10.20.24.3.152:2019-08-01), Primary Diagnosis Observation (V4) (2.16.840.1.113883.10.20.34.3.6:2019-08-01), or both (CONF:4447-29078).	This encounter SHALL contain Principal Diagnosis (V3) (2.16.840.1.113883.10.20.24.3.152:2025-08-01), Primary Diagnosis Observation (V5) (2.16.840.1.113883.10.20.34.3.6:2025-08-01), or both (CONF:5564-29078).

## 9.13 Disability Status Observation (NHCS V2)

### Disability Status Observation (NHCS V2)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Disability Status Observation	Disability Status Observation (NHCS V2)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2023-05-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.505:2025-08-01
Description	<p>This template represents an assessment of patients' perception of their physical, cognitive, intellectual, or psychiatric disabilities. It may contain an Assessment Scale Observation that holds the six-item set of questions used on the American Community Survey (ACS) to gauge disability, defined here: [HHS Implementation Guidance on Data Collection Standards for Race, Ethnicity, Sex, Primary Language, and Disability Status](https://aspe.hhs.gov/basic-report/hhs-implementation-guidance-data-collection-standards-race-ethnicity-sex-primary-language-and-disability-status)</p> <p>This template SHOULD be included zero or more times [0..*] in the Functional Status Section V2 or the Functional Status Organizer (V2).</p>	<p>The C-CDA template, Disability Status Observation, has been versioned in this guide to support USCDI-v3.</p> <p>This template represents an assessment of patients' perception of their physical, cognitive, intellectual, or psychiatric disabilities. It may contain an Assessment Scale Observation that holds the six-item set of questions used on the American Community Survey (ACS) to gauge disability, defined here: [HHS Implementation Guidance on Data Collection Standards for Race, Ethnicity, Sex, Primary Language, and Disability Status](https://aspe.hhs.gov/basic-report/hhs-implementation-guidance-data-collection-standards-race-ethnicity-sex-primary-language-and-disability-status)</p> <p>This template SHOULD be included zero or more times [0..*] in the Functional Status Section V2 or the Functional Status Organizer (V2).</p>
CONF #: 5564-33361 Added		This code SHALL contain exactly one [1..1] @code="89571-4" Disability Status [CUBS] (CONF:5564-33361).
CONF #: 5564-33362 Added		This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CONF:5564-33362).
CONF #: 5564-33363 Added		A system **MAY** record the six-item set of questions and their answers options from the American Community Survey (ACS) in the Assessment Scale Observation

Change	Old	New
		using the [Disability Status Assessment ( <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.49/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.49/expansion</a> ) value set (CONF:5564-33363).
CONF #: 4537-33023 Removed	This code SHALL contain exactly one [1..1] @code="89571-4" Disability Status [CUBS] (CONF:4537-33023).	
CONF #: 4537-33024 Removed	This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CONF:4537-33024).	
CONF #: 4537-33057 Removed	A system <b>MAY</b> record the six-item set of questions and their answers options from the American Community Survey (ACS) in the Assessment Scale Observation using the [Disability Status Assessment ( <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.49/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.49/expansion</a> ) value set (CONF:4537-33057).	
CONF #: 5564-32623 Modified	SHALL contain exactly one [1..1] @extension="2023-05-01" (CONF:4537-32623).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32623).



## 9.14 Discharge Medication (NHCS V4)

Discharge Medication (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Discharge Medication (V3)	Discharge Medication (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2016-03-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.35:2025-08-01
Description	This template represents medications that the patient is intended to take (or stop) after discharge.	The C-CDA template, Discharge Medication (V3), has been versioned in this guide to support USCDI-v3.  This template represents medications that the patient is intended to take (or stop) after discharge.
CONF #: 5564-33136 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33136) such that it
CONF #: 5564-33137 Added		SHALL contain exactly one [1..1] code (CONF:5564-33137).
CONF #: 5564-33138 Added		This code SHALL contain exactly one [1..1] translation (CONF:5564-33138).
CONF #: 5564-33139 Added		SHALL contain at least one [1..*] entryRelationship (CONF:5564-33139) such that it
CONF #: 5564-33140 Added		SHALL contain exactly one [1..1] substanceAdministration (CONF:5564-33140).
CONF #: 5564-33141 Added		SHALL contain exactly one [1..1] statusCode (CONF:5564-33141).
CONF #: 5564-33142 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.35" (CONF:5564-33142).
CONF #: 5564-33143 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33143).
CONF #: 5564-33144 Added		This code SHALL contain exactly one [1..1] @code="10183-2" Hospital discharge medication (CONF:5564-33144).
CONF #: 5564-33145 Added		This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33145).

Change	Old	New
CONF #: 5564-33146 Added		This translation SHALL contain exactly one [1..1] @code="75311-1" Discharge Medication (CONF:5564-33146).
CONF #: 5564-33147 Added		This translation SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33147).
CONF #: 5564-33148 Added		SHALL contain exactly one [1..1] @typeCode="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33148).
CONF #: 5564-33149 Added		This statusCode SHALL contain exactly one [1..1] @code="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 STATIC) (CONF:5564-33149).
CONF #: 5564-33150 Added		SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:5564-33150).
CONF #: 5564-33151 Added		SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:5564-33151).
CONF #: 1198-16760 Removed	SHALL contain exactly one [1..1] templateId (CONF:1198-16760) such that it	
CONF #: 1198-7691 Removed	SHALL contain exactly one [1..1] code (CONF:1198-7691).	
CONF #: 1198-7692 Removed	SHALL contain at least one [1..*] entryRelationship (CONF:1198-7692) such that it	
CONF #: 1198-15525 Removed	SHALL contain exactly one [1..1] substanceAdministration (CONF:1198-15525).	
CONF #: 1198-32779 Removed	SHALL contain exactly one [1..1] statusCode (CONF:1198-32779).	
CONF #: 1198-7689 Removed	SHALL contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:1198-7689).	

Change	Old	New
CONF #: 1198-7690 Removed	SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:1198-7690).	
CONF #: 1198-16761 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.4.35" (CONF:1198-16761).	
CONF #: 1198-32513 Removed	SHALL contain exactly one [1..1] @extension="2016-03-01" (CONF:1198-32513).	
CONF #: 1198-19161 Removed	This code SHALL contain exactly one [1..1] @code="10183-2" Hospital discharge medication (CONF:1198-19161).	
CONF #: 1198-32159 Removed	This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883. 6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-32159).	
CONF #: 1198-7693 Removed	SHALL contain exactly one [1..1] @typeCode="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:1198-7693).	
CONF #: 1198-32780 Removed	This statusCode SHALL contain exactly one [1..1] @code="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 STATIC) (CONF:1198-32780).	
CONF #: 1198-32952 Removed	This code SHALL contain exactly one [1..1] translation (CONF:1198- 32952).	
CONF #: 1198-32953 Removed	This translation SHALL contain exactly one [1..1] @code="75311-1" Discharge Medication (CONF:1198- 32953).	
CONF #: 1198-32954 Removed	This translation SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883. 6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-32954).	

## 9.15 Encounter Activity (NHCS V4)

[Encounter Activity \(NHCS V4\) \(urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01\)](#)

Change	Old	New
Status	Published	Draft
Name	Encounter Activity (V3)	Encounter Activity (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2025-08-01
Description	This clinical statement describes an interaction between a patient and clinician. Interactions may include in-person encounters, telephone conversations, and email exchanges.	The C-CDA template, Encounter Activity (V3), has been versioned in this guide to support USCDI-v3.  This clinical statement describes an interaction between a patient and clinician. Interactions may include in-person encounters, telephone conversations, and email exchanges.
CONF #: 5564-32546 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32546).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32546).

## 9.16 Encounter Diagnosis (NHCS V4)

[Encounter Diagnosis \(NHCS V4\) \(urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01\)](#)

Change	Old	New
Status	Published	Draft
Name	Encounter Diagnosis (V3)	Encounter Diagnosis (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.80:2025-08-01
Description	This template wraps relevant problems or diagnoses at the close of a visit or that need to be followed after the visit.	The C-CDA template, Encounter Diagnosis (V3), has been versioned in this guide to support USCDI-v3.  This template wraps relevant problems or diagnoses at the close of a visit or that need to be followed after the visit.
CONF #: 5564-32542 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32542).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32542).

## 9.17 Functional Status Observation (NHCS V3)

### Functional Status Observation (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Functional Status Observation (V2)	Functional Status Observation (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2025-08-01
Description	This template represents the patient's physical function (e.g., mobility status, instrumental activities of daily living, self-care status) and problems that limit function (dyspnea, dysphagia). The template may include assessment scale observations, identify supporting caregivers, and provide information about non-medicinal supplies. This template is used to represent physical or developmental function of all patient populations.	The C-CDA template, Functional Status Observation (V2), has been versioned in this guide to support USCDI-v3.  This template represents the patient's physical function (e.g., mobility status, instrumental activities of daily living, self-care status) and problems that limit function (dyspnea, dysphagia). The template may include assessment scale observations, identify supporting caregivers, and provide information about non-medicinal supplies. This template is used to represent physical or developmental function of all patient populations.
CONF #: 5564-32568 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32568).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32568).

## 9.18 Functional Status Organizer (NHCS V3)

### Functional Status Organizer (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Functional Status Organizer (V2)	Functional Status Organizer (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.4.66:2025-08-01
Description	This template groups related functional status observations into categories (e.g., mobility, self-care).	<p>The C-CDA template, Functional Status Organizer (V2), has been versioned in this guide to support USCDI-v3.</p> <p>This template groups related functional status observations into categories (e.g., mobility, self-care).</p>
CONF #: 5564-32569 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32569).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32569).

## 9.19 Goal Observation (NHCS V3)

Goal Observation (NHCS V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Goal Observation (V2)	Goal Observation (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2022-06-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.121:2025-08-01
Description	<p>This template represents a patient health goal. A Goal Observation template may have related components that are acts, encounters, observations, procedures, substance administrations, or supplies. A goal identifies a future desired condition or state. Goals are often related to physical or mental health conditions or diseases, but also may be related to a Social Determinant of Health (SDOH) risks or states. For example, to have adequate quality meals and snacks, gain transportation security - able to access health and social needs). SDOH data relate to conditions in which people live, learn, work, and play and their effects on health risks and outcomes. A Goal is established by the patient or provider.</p> <p>A goal may be a patient or provider goal. If the author is set to the recordTarget (patient), this is a patient goal. If the author is set to a provider, this is a provider goal. If both patient and provider are set as authors, this is a negotiated goal.</p> <p>A goal usually has a related health concern and/or risk.</p> <p>A goal may have components consisting of other goals (milestones). These milestones are related to the overall goal through entryRelationships.</p>	<p>The C-CDA template, Goal Observation (V2), has been versioned in this guide to support USCDI-v3.</p> <p>This template represents a patient health goal. A Goal Observation template may have related components that are acts, encounters, observations, procedures, substance administrations, or supplies. A goal identifies a future desired condition or state. Goals are often related to physical or mental health conditions or diseases, but also may be related to a Social Determinant of Health (SDOH) risks or states. For example, to have adequate quality meals and snacks, gain transportation security - able to access health and social needs). SDOH data relate to conditions in which people live, learn, work, and play and their effects on health risks and outcomes. A Goal is established by the patient or provider.</p> <p>A goal may be a patient or provider goal. If the author is set to the recordTarget (patient), this is a patient goal. If the author is set to a provider, this is a provider goal. If both patient and provider are set as authors, this is a negotiated goal.</p> <p>A goal usually has a related health concern and/or risk.</p> <p>A goal may have components consisting of other goals (milestones). These milestones are related to the overall goal through entryRelationships.</p>

Change	Old	New
CONF #: 5564-33357 Added		SHALL contain exactly one [1..1] act (CONF:5564-33357).
CONF #: 5564-33358 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33358).
CONF #: 5564-33359 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33359).
CONF #: 5564-33360 Added		When the Goal is Social Determinant of Health Goal, the observation/code <b>**SHOULD**</b> contain exactly one [1..1] code, which <b>**SHOULD**</b> contain exactly one [1..1] @code="8689-2 "History of Social function" This code <b>**SHALL**</b> contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC 2.16.840.1.113883.6.1) (CONF:5564-33360).
CONF #: 4515-32879 Removed	SHALL contain exactly one [1..1] act (CONF:4515-32879).	
CONF #: 4515-32880 Removed	SHALL contain exactly one [1..1] observation (CONF:4515-32880).	
CONF #: 4515-32886 Removed	SHALL contain exactly one [1..1] @extension="2022-06-01" (CONF:4515-32886).	
CONF #: 4515-32887 Removed	When the Goal is Social Determinant of Health Goal, the observation/code <b>**SHOULD**</b> contain exactly one [1..1] code, which <b>**SHOULD**</b> contain exactly one [1..1] @code="8689-2 "History of Social function" This code <b>**SHALL**</b> contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC 2.16.840.1.113883.6.1) (CONF:4515-32887).	



## 9.20 Health Concern Act (NHCS V4)

Health Concern Act (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Health Concern Act (V3)	Health Concern Act (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2022-06-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.132:2025-08-01
Description	<p>This template represents a health concern.</p> <p>It is a wrapper for a single health concern which may be derived from a variety of sources within an EHR (such as Problem List, Family History, Social History, Social Worker Note, etc.).</p> <p>A Health Concern Act is used to track non-optimal physical or psychological situations drawing the patient to the healthcare system. These may be from the perspective of the care team or from the perspective of the patient. When the underlying condition is of concern (i.e., as long as the condition, whether active or resolved, is of ongoing concern and interest), the statusCode is “active”. Only when the underlying condition is no longer of concern is the statusCode set to “completed”. The effectiveTime reflects the time that the underlying condition was felt to be a concern; it may or may not correspond to the effectiveTime of the condition (e.g., even five years later, a prior heart attack may remain a concern). Health concerns require intervention(s) to increase the likelihood of achieving the goals of care for the patient and they specify the condition oriented reasons for creating the plan.</p>	<p>The C-CDA template, Health Concern Act (V3), has been versioned in this guide to support USCDI-v3.</p> <p>This template represents a health concern.</p> <p>It is a wrapper for a single health concern which may be derived from a variety of sources within an EHR (such as Problem List, Family History, Social History, Social Worker Note, etc.).</p> <p>A Health Concern Act is used to track non-optimal physical or psychological situations drawing the patient to the healthcare system. These may be from the perspective of the care team or from the perspective of the patient. When the underlying condition is of concern (i.e., as long as the condition, whether active or resolved, is of ongoing concern and interest), the statusCode is “active”. Only when the underlying condition is no longer of concern is the statusCode set to “completed”. The effectiveTime reflects the time that the underlying condition was felt to be a concern; it may or may not correspond to the effectiveTime of the condition (e.g., even five years later, a prior heart attack may remain a concern). Health concerns require intervention(s) to increase the likelihood of achieving the goals of care for the patient and they specify the condition oriented reasons for creating the plan.</p>
CONF #: 5564-32861 Modified	SHALL contain exactly one [1..1] @extension="2022-06-01"	SHALL contain exactly one [1..1] @extension="2025-08-01"

Change	Old	New
	(CONF:4515-32861).	(CONF:5564-32861).

## 9.21 Hospital Admission Diagnosis (NHCS V4)

### Hospital Admission Diagnosis (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Hospital Admission Diagnosis (V3)	Hospital Admission Diagnosis (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.34:2025-08-01
Description	<p>This template represents problems or diagnoses identified by the clinician at the time of the patient's admission.</p> <p>This Hospital Admission Diagnosis act may contain more than one Problem Observation to represent multiple diagnoses for a Hospital Admission.</p>	<p>The C-CDA template, Hospital Admission Diagnosis (V3), has been versioned in this guide to support USCDI-v3.</p> <p>This template represents problems or diagnoses identified by the clinician at the time of the patient's admission.</p> <p>This Hospital Admission Diagnosis act may contain more than one Problem Observation to represent multiple diagnoses for a Hospital Admission.</p>
CONF #: 5564-32535 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32535).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32535).

## 9.22 Immunization Activity (NHCS V4)

Immunization Activity (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Immunization Activity (V3)	Immunization Activity (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2025-08-01
Description	<p>An Immunization Activity describes immunization substance administrations that have actually occurred or are intended to occur. Immunization Activities in "INT" mood are reflections of immunizations a clinician intends a patient to receive. Immunization Activities in "EVN" mood reflect immunizations actually received. An Immunization Activity is very similar to a Medication Activity with some key differentiators. The drug code system is constrained to CVX codes. Administration timing is less complex. Patient refusal reasons should be captured. All vaccines administered should be fully documented in the patient's permanent medical record. Healthcare providers who administer vaccines covered by the National Childhood Vaccine Injury Act are required to ensure that the permanent medical record of the recipient indicates:</p> <ol style="list-style-type: none"> <li>1. Date of administration</li> <li>2. Vaccine manufacturer</li> <li>3. Vaccine lot number</li> <li>4. Name and title of the person who administered the vaccine and the address of the clinic or facility where the permanent record will reside</li> <li>5. Vaccine information statement (VIS) <ol style="list-style-type: none"> <li>a. Date printed on the VIS</li> <li>b. Date VIS given to patient or parent/guardian.</li> </ol> </li> </ol> <p>This information should be included in an Immunization Activity when available. (Reference: <a href="https://www.cdc.gov/vaccines/pu">https://www.cdc.gov/vaccines/pu</a></p>	<p>The C-CDA template, Immunization Activity (V3), has been versioned in this guide to support USCDI-v3.</p> <p>An Immunization Activity describes immunization substance administrations that have actually occurred or are intended to occur. Immunization Activities in "INT" mood are reflections of immunizations a clinician intends a patient to receive. Immunization Activities in "EVN" mood reflect immunizations actually received. An Immunization Activity is very similar to a Medication Activity with some key differentiators. The drug code system is constrained to CVX codes. Administration timing is less complex. Patient refusal reasons should be captured. All vaccines administered should be fully documented in the patient's permanent medical record. Healthcare providers who administer vaccines covered by the National Childhood Vaccine Injury Act are required to ensure that the permanent medical record of the recipient indicates:</p> <ul style="list-style-type: none"> <li>* Date of administration</li> <li>* Vaccine manufacturer</li> <li>* Vaccine lot number</li> <li>* Name and title of the person who administered the vaccine and the address of the clinic or facility where the permanent record will reside</li> <li>* Vaccine information statement (VIS) <ul style="list-style-type: none"> <li>* Date printed on the VIS</li> <li>* Date VIS given to patient or parent/guardian.</li> </ul> </li> </ul>

Change	Old	New
	bs/pinkbook/downloads/appendices/c/vis-instruct.pdf])	This information should be included in an Immunization Activity when available. (Reference: [https://www.cdc.gov/vaccines/pubs/pinkbook/downloads/appendices/c/vis-instruct.pdf])
CONF #: 5564-32528 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32528).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32528).

## 9.23 Medical Equipment Organizer (NHCS V2)

### Medical Equipment Organizer (NHCS V2)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.135:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Medical Equipment Organizer	Medical Equipment Organizer (NHCS V2)
Oid	urn:oid:2.16.840.1.113883.10.20.22.4.135	urn:hl7ii:2.16.840.1.113883.10.20.22.4.135:2025-08-01
Description	<p>This template represents a set of current or historical medical devices, supplies, aids and equipment used by the patient. Examples are hearing aids, orthotic devices, ostomy supplies, visual aids, diabetic supplies such as syringes and pumps, and wheelchairs.</p> <p>Devices that are applied during a procedure (e.g., cardiac pacemaker, gastrostomy tube, port catheter), whether permanent or temporary, are represented within the Procedure Activity Procedure (V2) template (templateId: 2.16.840.1.113883.10.20.22.4.14.2).</p>	<p>The C-CDA template, Medical Equipment Organizer, has been versioned in this guide to support USCDI-v3.</p> <p>This template represents a set of current or historical medical devices, supplies, aids and equipment used by the patient. Examples are hearing aids, orthotic devices, ostomy supplies, visual aids, diabetic supplies such as syringes and pumps, and wheelchairs.</p> <p>Devices that are applied during a procedure (e.g., cardiac pacemaker, gastrostomy tube, port catheter), whether permanent or temporary, are represented within the Procedure Activity Procedure (V2) template (templateId: 2.16.840.1.113883.10.20.22.4.14.2).</p>
CONF #: 5564-33367 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33367).

## 9.24 Medication Activity (NHCS V3)

Medication Activity (NHCS V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Medication Activity (V2)	Medication Activity (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2025-08-01
Description	<p>A Medication Activity describes substance administrations that have actually occurred (e.g., pills ingested or injections given) or are intended to occur (e.g., "take 2 tablets twice a day for the next 10 days"). Medication activities in "INT" mood are reflections of what a clinician intends a patient to be taking. For example, a clinician may intend that a patient be administered Lisinopril 20 mg PO for blood pressure control. If what was actually administered was Lisinopril 10 mg., then the Medication activities in the "EVN" mood would reflect actual use.</p> <p>A moodCode of INT is allowed, but it is recommended that the Planned Medication Activity (V2) template be used for moodCodes other than EVN if the document type contains a section that includes Planned Medication Activity (V2) (for example a Care Plan document with Plan of Treatment, Intervention, or Goal sections).</p> <p>At a minimum, a Medication Activity shall include an effectiveTime indicating the duration of the administration (or single-administration timestamp). Ambulatory medication lists generally provide a summary of use for a given medication over time - a medication activity in event mood with the duration reflecting when the medication started and stopped. Ongoing medications will not have a stop date (or will have a stop date with a suitable NULL value). Ambulatory medication lists will generally also have a frequency</p>	<p>The C-CDA template, Medication Activity (V2), has been versioned in this guide to support USCDI-v3.</p> <p>When submitting data for the National Health Care Surveys, inclusion of coded problem data is required. Use Medication Information (V2).</p> <p>A Medication Activity describes substance administrations that have actually occurred (e.g., pills ingested or injections given) or are intended to occur (e.g., "take 2 tablets twice a day for the next 10 days"). Medication activities in "INT" mood are reflections of what a clinician intends a patient to be taking. For example, a clinician may intend that a patient be administered Lisinopril 20 mg PO for blood pressure control. If what was actually administered was Lisinopril 10 mg., then the Medication activities in the "EVN" mood would reflect actual use.</p> <p>A moodCode of INT is allowed, but it is recommended that the Planned Medication Activity (V2) template be used for moodCodes other than EVN if the document type contains a section that includes Planned Medication Activity (V2) (for example a Care Plan document with Plan of Treatment, Intervention, or Goal sections).</p> <p>At a minimum, a Medication Activity shall include an effectiveTime indicating the duration of the administration (or single-administration timestamp). Ambulatory medication lists</p>

Change	Old	New
	<p>(e.g., a medication is being taken twice a day). Inpatient medications generally record each administration as a separate act.</p> <p>The dose (doseQuantity) represents how many of the consumables are to be administered at each administration event. As a result, the dose is always relative to the consumable and the interval of administration. Thus, a patient consuming a single "metoprolol 25mg tablet" per administration will have a doseQuantity of "1", whereas a patient consuming "metoprolol" will have a dose of "25 mg".</p>	<p>generally provide a summary of use for a given medication over time - a medication activity in event mood with the duration reflecting when the medication started and stopped. Ongoing medications will not have a stop date (or will have a stop date with a suitable NULL value). Ambulatory medication lists will generally also have a frequency (e.g., a medication is being taken twice a day). Inpatient medications generally record each administration as a separate act.</p> <p>The dose (doseQuantity) represents how many of the consumables are to be administered at each administration event. As a result, the dose is always relative to the consumable and the interval of administration. Thus, a patient consuming a single "metoprolol 25mg tablet" per administration will have a doseQuantity of "1", whereas a patient consuming "metoprolol" will have a dose of "25 mg".</p>
CONF #: 5564-33069 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33069) such that it
CONF #: 5564-33070 Added		SHALL contain exactly one [1..1] statusCode (CONF:5564-33070).
CONF #: 5564-33071 Added		<p>The substance administration effectiveTime field can repeat, in order to represent varying levels of complex dosing. effectiveTime can be used to represent the duration of administration (e.g., "10 days"), the frequency of administration (e.g., "every 8 hours"), and more. Here, we require that there <b>**SHALL**</b> be an effectiveTime documentation of the duration (or single-administration timestamp), and that there <b>**SHOULD**</b> be an effectiveTime documentation of the frequency. Other timing nuances, supported by the base CDA R2 standard, may also be included. SHALL contain exactly one [1..1] effectiveTime (CONF:5564-33071) such that it</p> <p>Note: This effectiveTime represents</p>

Change	Old	New
		either the medication duration (i.e., the time the medication was started and stopped) or the single-administration timestamp.
CONF #: 5564-33072 Added		SHOULD contain zero or one [0..1] effectiveTime (CONF:5564-33072) such that it Note: This effectiveTime represents the medication frequency (e.g., administration times per day).
CONF #: 5564-33073 Added		SHOULD contain zero or one [0..1] routeCode, which SHALL be selected from ValueSet SPL Drug Route of Administration Terminology urn:oid:2.16.840.1.113883.3.88.12.3221.8.7 DYNAMIC (CONF:5564-33073).
CONF #: 5564-33074 Added		SHALL contain exactly one [1..1] doseQuantity (CONF:5564-33074).
CONF #: 5564-33075 Added		MAY contain zero or one [0..1] rateQuantity (CONF:5564-33075).
CONF #: 5564-33076 Added		SHALL contain exactly one [1..1] consumable (CONF:5564-33076).
CONF #: 5564-33077 Added		This consumable SHALL contain exactly one [1..1] manufacturedProduct (CONF:5564-33077).
CONF #: 5564-33078 Added		MAY contain zero or more [0..*] participant (CONF:5564-33078) such that it
CONF #: 5564-33079 Added		SHALL contain exactly one [1..1] participantRole (CONF:5564-33079).
CONF #: 5564-33080 Added		MAY contain zero or more [0..*] entryRelationship (CONF:5564-33080) such that it
CONF #: 5564-33081 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33081).
CONF #: 5564-33082 Added		MAY contain zero or one [0..1] entryRelationship (CONF:5564-33082) such that it
CONF #: 5564-33083 Added		SHALL contain exactly one [1..1] act (CONF:5564-33083).
CONF #: 5564-33084 Added		MAY contain zero or one [0..1] entryRelationship (CONF:5564-33084) such that it
CONF #: 5564-33085 Added		SHALL contain exactly one [1..1] supply (CONF:5564-33085).

Change	Old	New
CONF #: 5564-33086 Added		MAY contain zero or more [0..*] entryRelationship (CONF:5564-33086) such that it
CONF #: 5564-33087 Added		SHALL contain exactly one [1..1] supply (CONF:5564-33087).
CONF #: 5564-33088 Added		MAY contain zero or more [0..*] entryRelationship (CONF:5564-33088) such that it
CONF #: 5564-33089 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33089).
CONF #: 5564-33090 Added		MAY contain zero or one [0..1] entryRelationship (CONF:5564-33090) such that it
CONF #: 5564-33091 Added		SHALL contain exactly one [1..1] act (CONF:5564-33091).
CONF #: 5564-33092 Added		SHOULD contain zero or more [0..*] author (CONF:5564-33092).
CONF #: 5564-33093 Added		The following entryRelationship is used to indicate a given medication's order in a series. The nested Substance Administered Act identifies an administration in the series. The entryRelationship/sequenceNumber shows the order of this particular administration in that series. MAY contain zero or more [0..*] entryRelationship (CONF:5564-33093) such that it
CONF #: 5564-33094 Added		SHALL contain exactly one [1..1] act (CONF:5564-33094).
CONF #: 5564-33095 Added		MAY contain zero or more [0..*] precondition (CONF:5564-33095).
CONF #: 5564-33096 Added		The precondition, if present, SHALL contain exactly one [1..1] criterion (CONF:5564-33096).
CONF #: 5564-33097 Added		MAY contain zero or more [0..*] entryRelationship (CONF:5564-33097) such that it
CONF #: 5564-33098 Added		SHALL contain exactly one [1..1] substanceAdministration (CONF:5564-33098).
CONF #: 5564-33099 Added		SHALL contain exactly one [1..1] @classCode="SBADM" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:5564-33099).
CONF #: 5564-33100 Added		SHALL contain exactly one [1..1] @moodCode, which SHALL be selected from ValueSet



Change	Old	New
		MoodCodeEvnInt urn:oid:2.16.840.1.113883.11.20.9 .18 STATIC 2011-04-03 (CONF:5564-33100).
CONF #: 5564-33101 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.4.16" (CONF:5564-33101).
CONF #: 5564-33102 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33102).
CONF #: 5564-33103 Added		SHALL contain at least one [1..*] id (CONF:5564-33103).
CONF #: 5564-33104 Added		MAY contain zero or one [0..1] code (CONF:5564-33104). Note: SubstanceAdministration.code is an optional field. Per HL7 Pharmacy Committee, "this is intended to further specify the nature of the substance administration act. To date the committee has made no use of this attribute". Because the type of substance administration is generally implicit in the routeCode, in the consumable participant, etc., the field is generally not used, and there is no defined value set.
CONF #: 5564-33105 Added		This statusCode SHALL contain exactly one [1..1] @code, which SHALL be selected from ValueSet Medication Status urn:oid:2.16.840.1.113762.1.4.109 9.11 DYNAMIC (CONF:5564- 33105).
CONF #: 5564-33106 Added		SHOULD contain zero or one [0..1] @value (CONF:5564-33106). Note: indicates a single- administration timestamp
CONF #: 5564-33107 Added		SHOULD contain zero or one [0..1] low (CONF:5564-33107). Note: indicates when medication started
CONF #: 5564-33108 Added		MAY contain zero or one [0..1] high (CONF:5564-33108). Note: indicates when medication stopped
CONF #: 5564-33109 Added		This effectiveTime **SHALL** contain either a low or a @value but not both (CONF:5564-33109).
CONF #: 5564-33110 Added		SHALL contain exactly one [1..1]

Change	Old	New
		@operator="A" (CONF:5564-33110).
CONF #: 5564-33111 Added		**SHALL** contain exactly one [1..1] @xsi:type="PIVL_TS" or "EIVL_TS" (CONF:5564-33111).
CONF #: 5564-33112 Added		In "INT" (intent) mood, the repeatNumber defines the number of allowed administrations. For example, a repeatNumber of "3" means that the substance can be administered up to 3 times. In "EVN" (event) mood, the repeatNumber is the number of occurrences. For example, a repeatNumber of "3" in a substance administration event means that the current administration is the 3rd in a series. MAY contain zero or one [0..1] repeatNumber (CONF:5564-33112).
CONF #: 5564-33113 Added		The routeCode, if present, SHOULD contain zero or more [0..*] translation, which SHALL be selected from ValueSet Medication Route urn:oid:2.16.840.1.113762.1.4.1099.12 DYNAMIC (CONF:5564-33113).
CONF #: 5564-33114 Added		MAY contain zero or one [0..1] approachSiteCode, where the code SHALL be selected from ValueSet Body Site Value Set urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 DYNAMIC (CONF:5564-33114).
CONF #: 5564-33115 Added		NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units This doseQuantity SHOULD contain zero or one [0..1] @unit, which SHOULD be selected from ValueSet UnitsOfMeasureCaseSensitive urn:oid:2.16.840.1.113883.1.11.12839 DYNAMIC (CONF:5564-33115).
CONF #: 5564-33116 Added		Pre-coordinated consumable: If the consumable code is a pre-coordinated unit dose (e.g., "metoprolol 25mg tablet") then doseQuantity is a unitless number that indicates the number of

Change	Old	New
		products given per administration (e.g., "2", meaning 2 x "metoprolol 25mg tablet" per administration) (CONF:5564-33116).
CONF #: 5564-33117 Added		Not pre-coordinated consumable: If the consumable code is not pre-coordinated (e.g., is simply "metoprolol"), then doseQuantity must represent a physical quantity with @unit, e.g., "25" and "mg", specifying the amount of product given per administration (CONF:5564-33117).
CONF #: 5564-33118 Added		NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units The rateQuantity, if present, SHALL contain exactly one [1..1] @unit, which SHOULD be selected from ValueSet UnitsOfMeasureCaseSensitive urn:oid:2.16.840.1.113883.1.11.12 839 DYNAMIC (CONF:5564-33118).
CONF #: 5564-33119 Added		MAY contain zero or one [0..1] maxDoseQuantity (CONF:5564-33119).
CONF #: 5564-33120 Added		administrationUnitCode@code describes the units of medication administration for an item using a code that is pre-coordinated to include a physical unit form (ointment, powder, solution, etc.) which differs from the units used in administering the consumable (capful, spray, drop, etc.). For example when recording medication administrations, "metric drop (C48491)" would be appropriate to accompany the RxNorm code of 198283 (Timolol 0.25% Ophthalmic Solution) where the number of drops would be specified in doseQuantity@value. MAY contain zero or one [0..1] administrationUnitCode, which SHALL be selected from ValueSet AdministrationUnitDoseForm urn:oid:2.16.840.1.113762.1.4.102 1.30 DYNAMIC (CONF:5564-33120).

Change	Old	New
CONF #: 5564-33121 Added		MAY contain zero or one [0..1] performer (CONF:5564-33121).
CONF #: 5564-33122 Added		SHALL contain exactly one [1..1] @typeCode="CSM" (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 STATIC) (CONF:5564-33122).
CONF #: 5564-33123 Added		SHALL contain exactly one [1..1] @typeCode="RSON" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33123).
CONF #: 5564-33124 Added		SHALL contain exactly one [1..1] @typeCode="SUBJ" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33124).
CONF #: 5564-33125 Added		SHALL contain exactly one [1..1] @inversionInd="true" True (CONF:5564-33125).
CONF #: 5564-33126 Added		SHALL contain exactly one [1..1] @typeCode="REFR" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33126).
CONF #: 5564-33127 Added		SHALL contain exactly one [1..1] @typeCode="REFR" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33127).
CONF #: 5564-33128 Added		SHALL contain exactly one [1..1] @typeCode="CAUS" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33128).
CONF #: 5564-33129 Added		Medication Activity **SHOULD** include doseQuantity **OR** rateQuantity (CONF:5564-33129).
CONF #: 5564-33130 Added		SHALL contain exactly one [1..1] @typeCode="COMP" Has component (CONF:5564-33130).
CONF #: 5564-33131 Added		SHALL contain exactly one [1..1] @typeCode="COMP" Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33131).
CONF #: 5564-33132 Added		SHALL contain exactly one [1..1] @inversionInd="true" (CONF:5564-33132).

Change	Old	New
CONF #: 5564-33133 Added		MAY contain zero or one [0..1] sequenceNumber (CONF:5564-33133).
CONF #: 5564-33134 Added		The precondition, if present, SHALL contain exactly one [1..1] @typeCode="PRCN" (CONF:5564-33134).
CONF #: 5564-33135 Added		SHALL contain exactly one [1..1] @typeCode="COMP" Has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33135).
CONF #: 1098-7496 Removed	SHALL contain exactly one [1..1] @classCode="SBADM" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:1098-7496).	
CONF #: 1098-7497 Removed	SHALL contain exactly one [1..1] @moodCode, which SHALL be selected from ValueSet MoodCodeEvnInt urn:oid:2.16.840.1.113883.11.20.9.18 STATIC 2011-04-03 (CONF:1098-7497).	
CONF #: 1098-7499 Removed	SHALL contain exactly one [1..1] templateId (CONF:1098-7499) such that it	
CONF #: 1098-10504 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2.4.16" (CONF:1098-10504).	
CONF #: 1098-7500 Removed	SHALL contain at least one [1..*] id (CONF:1098-7500).	
CONF #: 1098-7506 Removed	MAY contain zero or one [0..1] code (CONF:1098-7506). Note: SubstanceAdministration.code is an optional field. Per HL7 Pharmacy Committee, "this is intended to further specify the nature of the substance administration act. To date the committee has made no use of this attribute". Because the type of substance administration is generally implicit in the routeCode, in the consumable participant, etc., the field is generally not used, and there is no defined value set.	
CONF #: 1098-7507 Removed	SHALL contain exactly one [1..1] statusCode (CONF:1098-7507).	

Change	Old	New
CONF #: 1098-7508 Removed	<p>The substance administration effectiveTime field can repeat, in order to represent varying levels of complex dosing. effectiveTime can be used to represent the duration of administration (e.g., "10 days"), the frequency of administration (e.g., "every 8 hours"), and more. Here, we require that there <b>**SHALL**</b> be an effectiveTime documentation of the duration (or single-administration timestamp), and that there <b>**SHOULD**</b> be an effectiveTime documentation of the frequency. Other timing nuances, supported by the base CDA R2 standard, may also be included. SHALL contain exactly one [1..1] effectiveTime (CONF:1098-7508) such that it</p> <p>Note: This effectiveTime represents either the medication duration (i.e., the time the medication was started and stopped) or the single-administration timestamp.</p>	
CONF #: 1098-7513 Removed	<p>SHOULD contain zero or one [0..1] effectiveTime (CONF:1098-7513) such that it</p> <p>Note: This effectiveTime represents the medication frequency (e.g., administration times per day).</p>	
CONF #: 1098-9106 Removed	SHALL contain exactly one [1..1] @operator="A" (CONF:1098-9106).	
CONF #: 1098-28499 Removed	<b>**SHALL**</b> contain exactly one [1..1] @xsi:type="PIVL_TS" or "EIVL_TS" (CONF:1098-28499).	
CONF #: 1098-7555 Removed	<p>In "INT" (intent) mood, the repeatNumber defines the number of allowed administrations. For example, a repeatNumber of "3" means that the substance can be administered up to 3 times. In "EVN" (event) mood, the repeatNumber is the number of occurrences. For example, a repeatNumber of "3" in a substance administration event means that the current administration is the 3rd in a series.</p> <p>MAY contain zero or one [0..1] repeatNumber (CONF:1098-7555).</p>	
CONF #: 1098-7514 Removed	SHOULD contain zero or one [0..1] routeCode, which SHALL be	

Change	Old	New
	selected from ValueSet SPL Drug Route of Administration Terminology urn:oid:2.16.840.1.113883.3.88.12.3221.8.7 DYNAMIC (CONF:1098-7514).	
CONF #: 1098-7515 Removed	MAY contain zero or one [0..1] approachSiteCode, where the code SHALL be selected from ValueSet Body Site Value Set urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 DYNAMIC (CONF:1098-7515).	
CONF #: 1098-7516 Removed	SHALL contain exactly one [1..1] doseQuantity (CONF:1098-7516).	
CONF #: 1098-7526 Removed	NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units This doseQuantity SHOULD contain zero or one [0..1] @unit, which SHOULD be selected from ValueSet UnitsOfMeasureCaseSensitive urn:oid:2.16.840.1.113883.1.11.12.839 DYNAMIC (CONF:1098-7526).	
CONF #: 1098-16878 Removed	Pre-coordinated consumable: If the consumable code is a pre-coordinated unit dose (e.g., "metoprolol 25mg tablet") then doseQuantity is a unitless number that indicates the number of products given per administration (e.g., "2", meaning 2 x "metoprolol 25mg tablet" per administration) (CONF:1098-16878).	
CONF #: 1098-16879 Removed	Not pre-coordinated consumable: If the consumable code is not pre-coordinated (e.g., is simply "metoprolol"), then doseQuantity must represent a physical quantity with @unit, e.g., "25" and "mg", specifying the amount of product given per administration (CONF:1098-16879).	
CONF #: 1098-7517 Removed	MAY contain zero or one [0..1] rateQuantity (CONF:1098-7517).	
CONF #: 1098-7525 Removed	NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units	

Change	Old	New
	The rateQuantity, if present, SHALL contain exactly one [1..1] @unit, which SHOULD be selected from ValueSet UnitsOfMeasureCaseSensitive urn:oid:2.16.840.1.113883.1.11.12839 DYNAMIC (CONF:1098-7525).	
CONF #: 1098-7518 Removed	MAY contain zero or one [0..1] maxDoseQuantity (CONF:1098-7518).	
CONF #: 1098-7519 Removed	administrationUnitCode@code describes the units of medication administration for an item using a code that is pre-coordinated to include a physical unit form (ointment, powder, solution, etc.) which differs from the units used in administering the consumable (capful, spray, drop, etc.). For example when recording medication administrations, “metric drop (C48491)” would be appropriate to accompany the RxNorm code of 198283 (Timolol 0.25% Ophthalmic Solution) where the number of drops would be specified in doseQuantity@value. MAY contain zero or one [0..1] administrationUnitCode, which SHALL be selected from ValueSet AdministrationUnitDoseForm urn:oid:2.16.840.1.113762.1.4.1021.30 DYNAMIC (CONF:1098-7519).	
CONF #: 1098-7520 Removed	SHALL contain exactly one [1..1] consumable (CONF:1098-7520).	
CONF #: 1098-16085 Removed	This consumable SHALL contain exactly one [1..1] manufacturedProduct (CONF:1098-16085).	
CONF #: 1098-7522 Removed	MAY contain zero or one [0..1] performer (CONF:1098-7522).	
CONF #: 1098-7523 Removed	MAY contain zero or more [0..*] participant (CONF:1098-7523) such that it	
CONF #: 1098-7524 Removed	SHALL contain exactly one [1..1] @typeCode="CSM" (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 STATIC) (CONF:1098-7524).	
CONF #: 1098-16086 Removed	SHALL contain exactly one [1..1] participantRole (CONF:1098-16086).	



Change	Old	New
CONF #: 1098-7536 Removed	MAY contain zero or more [0..*] entryRelationship (CONF:1098-7536) such that it	
CONF #: 1098-7537 Removed	SHALL contain exactly one [1..1] @typeCode="RSON" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:1098-7537).	
CONF #: 1098-16087 Removed	SHALL contain exactly one [1..1] observation (CONF:1098-16087).	
CONF #: 1098-7539 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:1098-7539) such that it	
CONF #: 1098-7540 Removed	SHALL contain exactly one [1..1] @typeCode="SUBJ" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:1098-7540).	
CONF #: 1098-7542 Removed	SHALL contain exactly one [1..1] @inversionInd="true" True (CONF:1098-7542).	
CONF #: 1098-31387 Removed	SHALL contain exactly one [1..1] act (CONF:1098-31387).	
CONF #: 1098-7543 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:1098-7543) such that it	
CONF #: 1098-7547 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:1098-7547).	
CONF #: 1098-16089 Removed	SHALL contain exactly one [1..1] supply (CONF:1098-16089).	
CONF #: 1098-7549 Removed	MAY contain zero or more [0..*] entryRelationship (CONF:1098-7549) such that it	
CONF #: 1098-7553 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:1098-7553).	
CONF #: 1098-16090 Removed	SHALL contain exactly one [1..1] supply (CONF:1098-16090).	
CONF #: 1098-7552 Removed	MAY contain zero or more [0..*] entryRelationship (CONF:1098-7552) such that it	
CONF #: 1098-7544 Removed	SHALL contain exactly one [1..1] @typeCode="CAUS" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002	

Change	Old	New
	STATIC) (CONF:1098-7544).	
CONF #: 1098-16091 Removed	SHALL contain exactly one [1..1] observation (CONF:1098-16091).	
CONF #: 1098-30800 Removed	Medication Activity **SHOULD** include doseQuantity **OR** rateQuantity (CONF:1098-30800).	
CONF #: 1098-30820 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:1098-30820) such that it	
CONF #: 1098-30821 Removed	SHALL contain exactly one [1..1] @typeCode="COMP" Has component (CONF:1098-30821).	
CONF #: 1098-30822 Removed	SHALL contain exactly one [1..1] act (CONF:1098-30822).	
CONF #: 1098-31150 Removed	SHOULD contain zero or more [0..*] author (CONF:1098-31150).	
CONF #: 1098-31515 Removed	The following entryRelationship is used to indicate a given medication's order in a series. The nested Substance Administered Act identifies an administration in the series. The entryRelationship/sequenceNumber shows the order of this particular administration in that series. MAY contain zero or more [0..*] entryRelationship (CONF:1098-31515) such that it	
CONF #: 1098-31516 Removed	SHALL contain exactly one [1..1] @typeCode="COMP" Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-31516).	
CONF #: 1098-31517 Removed	SHALL contain exactly one [1..1] @inversionInd="true" (CONF:1098-31517).	
CONF #: 1098-31518 Removed	MAY contain zero or one [0..1] sequenceNumber (CONF:1098-31518).	
CONF #: 1098-31519 Removed	SHALL contain exactly one [1..1] act (CONF:1098-31519).	
CONF #: 1098-31520 Removed	MAY contain zero or more [0..*] precondition (CONF:1098-31520).	
CONF #: 1098-31882 Removed	The precondition, if present, SHALL contain exactly one [1..1] @typeCode="PRCN" (CONF:1098-31882).	
CONF #: 1098-31883 Removed	The precondition, if present, SHALL contain exactly one [1..1]	

Change	Old	New
	criterion (CONF:1098-31883).	
CONF #: 1098-32360 Removed	This statusCode SHALL contain exactly one [1..1] @code, which SHALL be selected from ValueSet Medication Status urn:oid:2.16.840.1.113762.1.4.1099.11 DYNAMIC (CONF:1098-32360).	
CONF #: 1098-32498 Removed	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32498).	
CONF #: 1098-32775 Removed	SHOULD contain zero or one [0..1] @value (CONF:1098-32775). Note: indicates a single-administration timestamp	
CONF #: 1098-32776 Removed	SHOULD contain zero or one [0..1] low (CONF:1098-32776). Note: indicates when medication started	
CONF #: 1098-32777 Removed	MAY contain zero or one [0..1] high (CONF:1098-32777). Note: indicates when medication stopped	
CONF #: 1098-32890 Removed	This effectiveTime **SHALL** contain either a low or a @value but not both (CONF:1098-32890).	
CONF #: 1098-32907 Removed	MAY contain zero or more [0..*] entryRelationship (CONF:1098-32907) such that it	
CONF #: 1098-32908 Removed	SHALL contain exactly one [1..1] @typeCode="COMP" Has component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1098-32908).	
CONF #: 1098-32909 Removed	SHALL contain exactly one [1..1] substanceAdministration (CONF:1098-32909).	
CONF #: 1098-32950 Removed	The routeCode, if present, SHOULD contain zero or more [0..*] translation, which SHALL be selected from ValueSet Medication Route urn:oid:2.16.840.1.113762.1.4.1099.12 DYNAMIC (CONF:1098-32950).	

## 9.25 Mental Status Observation (NHCS V4)

### Mental Status Observation (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Mental Status Observation (V3)	Mental Status Observation (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.74:2025-08-01
Description	The Mental Status Observation template represents an observation about mental status that can come from a broad range of subjective and objective information (including measured data) to address those categories described in the Mental Status Section. See also Assessment Scale Observation for specific collections of observations that together yield a summary evaluation of a particular condition.	The C-CDA template, Mental Status Observation (V3), has been versioned in this guide to support USCDI-v3.  The Mental Status Observation template represents an observation about mental status that can come from a broad range of subjective and objective information (including measured data) to address those categories described in the Mental Status Section. See also Assessment Scale Observation for specific collections of observations that together yield a summary evaluation of a particular condition.
CONF #: 5564-32565 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32565).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32565).

## 9.26 Mental Status Organizer (NHCS V4)

Mental Status Organizer (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Mental Status Organizer (V3)	Mental Status Organizer (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.75:2025-08-01
Description	<p>The Mental Status Organizer template may be used to group related Mental Status Observations (e.g., results of mental tests) and associated Assessment Scale Observations into subcategories and/or groupings by time. Subcategories can be things such as Mood and Affect, Behavior, Thought Process, Perception, Cognition, etc.</p>	<p>The C-CDA template, Mental Status Organizer (V3), has been versioned in this guide to support USCDI-v3.</p> <p>The Mental Status Organizer template may be used to group related Mental Status Observations (e.g., results of mental tests) and associated Assessment Scale Observations into subcategories and/or groupings by time. Subcategories can be things such as Mood and Affect, Behavior, Thought Process, Perception, Cognition, etc.</p>
CONF #: 5564-32566 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32566).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32566).

# 9.27 Nutrition Recommendation (NHCS V2)

## Nutrition Recommendation (NHCS V2)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.130:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Nutrition Recommendation	Nutrition Recommendation (NHCS V2)
Oid	urn:oid:2.16.840.1.113883.10.20.22.4.130	urn:hl7ii:2.16.840.1.113883.10.20.22.4.130:2025-08-01
Description	This template represents nutrition regimens (e.g., fluid restrictions, calorie minimum), interventions (e.g., NPO, nutritional supplements), and procedures (e.g., G-Tube by bolus, TPN by central line). It may also depict the need for nutrition education.	<p>The C-CDA template, Nutrition Recommendation, has been versioned in this guide to support USCDI-v3.</p> <p>This template represents nutrition regimens (e.g., fluid restrictions, calorie minimum), interventions (e.g., NPO, nutritional supplements), and procedures (e.g., G-Tube by bolus, TPN by central line). It may also depict the need for nutrition education.</p>

## 9.28 Patient's Reason for Visit Observation (V2)

### Patient's Reason for Visit Observation (V2)

(urn:hl7ii:2.16.840.1.113883.10.20.34.3.41:2025-08-01)

Change	Old	New
Status	Deprecated	Draft
Name	Patient's Reason for Visit Observation (DEPRECATED)	Patient's Reason for Visit Observation (V2)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.3.41:2019-04-01	urn:hl7ii:2.16.840.1.113883.10.20.34.3.41:2025-08-01
Description	<p>This template represents the patient's reason for the visit.</p> <p><b>**This template has been deprecated in National Health Care Surveys Release 1, DSTU Release 2 and may be deleted (retired) in a future release of this implementation guide. Use of this template is not recommended.**</b></p> <p><b>**This template has been deprecated (rather than retired) to allow time for implementers to bring applications into compliance with the new standard.**</b></p> <p><b>*Reason for Deprecation:*</b> Using text in Chief Complaint and Reason for Visit Section with NullFlavor instead of coded observation.</p>	<p>This template represents the patient's reason for the visit.</p>
Implied Template	Problem Observation (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2015-08-01)	Problem Observation (NHCS V5) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01)
CONF #: 5564-1079 Modified	SHALL contain exactly one [1..1] @extension="2019-04-01" (CONF:4420-1079).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-1079).

## 9.29 Planned Procedure (NHCS V4)

Planned Procedure (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Planned Procedure (V3)	Planned Procedure (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2022-06-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2025-08-01
Description	<p>This template represents planned alterations of the patient's physical condition. Examples of such procedures are tracheostomy, knee replacement, and craniectomy. The priority of the procedure to the patient and provider is communicated through Priority Preference. The effectiveTime indicates the time when the procedure is intended to take place and authorTime indicates when the documentation of the plan occurred. The Planned Procedure Template may also indicate the potential insurance coverage for the procedure.</p> <p>Planned Procedure V3 Usage Note: Common practice in the industry has shown that Planned Procedure is the usually implemented CDA template for any type of intervention or procedure regardless of if the "immediate and primary outcome (post-condition) is the alteration of the physical condition of the patient", or not. As a result, it is recommended to use Planned Procedure when sending procedures also thought of as "interventions" such as "Home Environment Evaluation" or "Assessment of nutritional status".</p>	<p>The C-CDA template, Planned Procedure (V3), has been versioned in this guide to support USCDI-v3.</p> <p>This template represents planned alterations of the patient's physical condition. Examples of such procedures are tracheostomy, knee replacement, and craniectomy. The priority of the procedure to the patient and provider is communicated through Priority Preference. The effectiveTime indicates the time when the procedure is intended to take place and authorTime indicates when the documentation of the plan occurred. The Planned Procedure Template may also indicate the potential insurance coverage for the procedure.</p> <p>Planned Procedure V3 Usage Note: Common practice in the industry has shown that Planned Procedure is the usually implemented CDA template for any type of intervention or procedure regardless of if the "immediate and primary outcome (post-condition) is the alteration of the physical condition of the patient", or not. As a result, it is recommended to use Planned Procedure when sending procedures also thought of as "interventions" such as "Home Environment Evaluation" or "Assessment of nutritional status".</p>
CONF #: 5564-32554 Modified	SHALL contain exactly one [1..1] @extension="2022-06-01" (CONF:4515-32554).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32554).



### 9.30 Primary Diagnosis Observation (V5)

Primary Diagnosis Observation (V5) (urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Primary Diagnosis Observation (V4)	Primary Diagnosis Observation (V5)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.34.3.6:2025-08-01
Implied Template	Problem Observation (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2015-08-01)	Problem Observation (NHCS V5) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01)
CONF #: 5564-1187 Modified	SHALL contain exactly one [1..1] @extension="2019-08-01" (CONF:4447-1187).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-1187).

### 9.31 Principal Diagnosis (V3)

Principal Diagnosis (V3) (urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Principal Diagnosis (V2)	Principal Diagnosis (V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.24.3.152:2025-08-01
Implied Template	Problem Observation (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2015-08-01)	Problem Observation (NHCS V5) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01)
CONF #: 5564-29002 Modified	SHALL contain exactly one [1..1] @extension="2019-08-01" (CONF:4447-29002).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-29002).

## 9.32 Problem Concern Act (NHCS V4)

Problem Concern Act (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Problem Concern Act (V3)	Problem Concern Act (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.3:2025-08-01
Description	<p>This template reflects an ongoing concern on behalf of the provider that placed the concern on a patient's problem list. So long as the underlying condition is of concern to the provider (i.e., as long as the condition, whether active or resolved, is of ongoing concern and interest to the provider), the statusCode is "active". Only when the underlying condition is no longer of concern is the statusCode set to "completed". The effectiveTime reflects the time that the underlying condition was felt to be a concern; it may or may not correspond to the effectiveTime of the condition (e.g., even five years later, the clinician may remain concerned about a prior heart attack).</p> <p>The statusCode of the Problem Concern Act is the definitive indication of the status of the concern, whereas the effectiveTime of the nested Problem Observation is the definitive indication of whether or not the underlying condition is resolved.</p> <p>The effectiveTime/low of the Problem Concern Act asserts when the concern became active. The effectiveTime/high asserts when the concern was completed (e.g., when the clinician deemed there is no longer any need to track the underlying condition).</p> <p>A Problem Concern Act can contain many Problem Observations (templateId 2.16.840.1.113883.10.20.22.4.4). Each Problem Observation is a discrete observation of a condition,</p>	<p>The C-CDA template, Problem Concern Act (V3), has been versioned in this guide to support USCDI-v3.</p> <p>This template reflects an ongoing concern on behalf of the provider that placed the concern on a patient's problem list. So long as the underlying condition is of concern to the provider (i.e., as long as the condition, whether active or resolved, is of ongoing concern and interest to the provider), the statusCode is "active". Only when the underlying condition is no longer of concern is the statusCode set to "completed". The effectiveTime reflects the time that the underlying condition was felt to be a concern; it may or may not correspond to the effectiveTime of the condition (e.g., even five years later, the clinician may remain concerned about a prior heart attack).</p> <p>The statusCode of the Problem Concern Act is the definitive indication of the status of the concern, whereas the effectiveTime of the nested Problem Observation is the definitive indication of whether or not the underlying condition is resolved.</p> <p>The effectiveTime/low of the Problem Concern Act asserts when the concern became active. The effectiveTime/high asserts when the concern was completed (e.g., when the clinician deemed there is no longer any need to track the underlying condition).</p> <p>A Problem Concern Act can contain</p>

Change	Old	New
	<p>and therefore will have a statusCode of “completed”. The many Problem Observations nested under a Problem Concern Act reflect the change in the clinical understanding of a condition over time. For instance, a Concern may initially contain a Problem Observation of “chest pain”:</p> <ul style="list-style-type: none"> <li>- Problem Concern 1 <ul style="list-style-type: none"> <li>--- Problem Observation: Chest Pain</li> </ul> </li> </ul> <p>Later, a new Problem Observation of “esophagitis” will be added, reflecting a better understanding of the nature of the chest pain. The later problem observation will have a more recent author time stamp.</p> <ul style="list-style-type: none"> <li>- Problem Concern 1 <ul style="list-style-type: none"> <li>--- Problem Observation (author/time Jan 3, 2012): Chest Pain</li> <li>--- Problem Observation (author/time Jan 6, 2012): Esophagitis</li> </ul> </li> </ul> <p>Many systems display the nested Problem Observation with the most recent author time stamp, and provide a mechanism for viewing prior observations.</p>	<p>many Problem Observations (templateId 2.16.840.1.113883.10.20.22.4.4). Each Problem Observation is a discrete observation of a condition, and therefore will have a statusCode of “completed”. The many Problem Observations nested under a Problem Concern Act reflect the change in the clinical understanding of a condition over time. For instance, a Concern may initially contain a Problem Observation of “chest pain”:</p> <ul style="list-style-type: none"> <li>- Problem Concern 1 <ul style="list-style-type: none"> <li>--- Problem Observation: Chest Pain</li> </ul> </li> </ul> <p>Later, a new Problem Observation of “esophagitis” will be added, reflecting a better understanding of the nature of the chest pain. The later problem observation will have a more recent author time stamp.</p> <ul style="list-style-type: none"> <li>- Problem Concern 1 <ul style="list-style-type: none"> <li>--- Problem Observation (author/time Jan 3, 2012): Chest Pain</li> <li>--- Problem Observation (author/time Jan 6, 2012): Esophagitis</li> </ul> </li> </ul> <p>Many systems display the nested Problem Observation with the most recent author time stamp, and provide a mechanism for viewing prior observations.</p>
CONF #: 5564-33048 Added		SHALL contain at least one [1..*] entryRelationship (CONF:5564-33048) such that it
CONF #: 5564-33049 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33049).
CONF #: 5564-33050 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33050) such that it
CONF #: 5564-33051 Added		SHALL contain exactly one [1..1] code (CONF:5564-33051).
CONF #: 5564-33052 Added		SHALL contain exactly one [1..1] statusCode (CONF:5564-33052).
CONF #: 5564-33053 Added		SHALL contain exactly one [1..1] effectiveTime (CONF:5564-33053).
CONF #: 5564-33054 Added		<p>The following entryRelationship represents the importance of the concern to a provider.</p> <p>MAY contain zero or more [0..*]</p>

Change	Old	New
		entryRelationship (CONF:5564-33054) such that it
CONF #: 5564-33055 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33055).
CONF #: 5564-33056 Added		SHOULD contain zero or more [0..*] author (CONF:5564-33056).
CONF #: 5564-33057 Added		SHALL contain exactly one [1..1] @typeCode="SUBJ" Has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33057).
CONF #: 5564-33058 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2.4.3" (CONF:5564-33058).
CONF #: 5564-33059 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33059).
CONF #: 5564-33060 Added		This code SHALL contain exactly one [1..1] @code="CONC" Concern (CONF:5564-33060).
CONF #: 5564-33061 Added		This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.5.6" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-33061).
CONF #: 5564-33062 Added		The statusCode of the Problem Concern Act is the definitive indication of the status of the concern, whereas the effectiveTime of the nested Problem Observation is the definitive indication of whether or not the underlying condition is resolved. This statusCode SHALL contain exactly one [1..1] @code, which SHALL be selected from ValueSet ProblemAct statusCode urn:oid:2.16.840.1.113883.11.20.9.19 STATIC (CONF:5564-33062).
CONF #: 5564-33063 Added		This effectiveTime SHALL contain exactly one [1..1] low (CONF:5564-33063). Note: The effectiveTime/low of the Problem Concern Act asserts when the concern became active.
CONF #: 5564-33064 Added		This effectiveTime MAY contain zero or one [0..1] high (CONF:5564-33064). Note: The effectiveTime/high

Change	Old	New
		asserts when the concern was completed (e.g., when the clinician deemed there is no longer any need to track the underlying condition).
CONF #: 5564-33065 Added		SHALL contain exactly one [1..1] @typeCode="REFR" refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33065).
CONF #: 5564-33066 Added		SHALL contain exactly one [1..1] @classCode="ACT" Act (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:5564-33066).
CONF #: 5564-33067 Added		SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:5564-33067).
CONF #: 5564-33068 Added		SHALL contain at least one [1..*] id (CONF:5564-33068).
CONF #: 1198-9034 Removed	SHALL contain at least one [1..*] entryRelationship (CONF:1198-9034) such that it	
CONF #: 1198-16772 Removed	SHALL contain exactly one [1..1] templateId (CONF:1198-16772) such that it	
CONF #: 1198-9027 Removed	SHALL contain exactly one [1..1] code (CONF:1198-9027).	
CONF #: 1198-9029 Removed	SHALL contain exactly one [1..1] statusCode (CONF:1198-9029).	
CONF #: 1198-9030 Removed	SHALL contain exactly one [1..1] effectiveTime (CONF:1198-9030).	
CONF #: 1198-31638 Removed	The following entryRelationship represents the importance of the concern to a provider. MAY contain zero or more [0..*] entryRelationship (CONF:1198-31638) such that it	
CONF #: 1198-15980 Removed	SHALL contain exactly one [1..1] observation (CONF:1198-15980).	
CONF #: 1198-9024 Removed	SHALL contain exactly one [1..1] @classCode="ACT" Act (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:1198-9024).	
CONF #: 1198-9025 Removed	SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood	

Change	Old	New
	urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:1198-9025).	
CONF #: 1198-16773 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.4.3" (CONF:1198-16773).	
CONF #: 1198-32509 Removed	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32509).	
CONF #: 1198-9026 Removed	SHALL contain at least one [1..*] id (CONF:1198-9026).	
CONF #: 1198-19184 Removed	This code SHALL contain exactly one [1..1] @code="CONC" Concern (CONF:1198-19184).	
CONF #: 1198-32168 Removed	This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883. 5.6" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1198-32168).	
CONF #: 1198-31525 Removed	The statusCode of the Problem Concern Act is the definitive indication of the status of the concern, whereas the effectiveTime of the nested Problem Observation is the definitive indication of whether or not the underlying condition is resolved. This statusCode SHALL contain exactly one [1..1] @code, which SHALL be selected from ValueSet ProblemAct statusCode urn:oid:2.16.840.1.113883.11.20.9 .19 STATIC (CONF:1198-31525).	
CONF #: 1198-9032 Removed	This effectiveTime SHALL contain exactly one [1..1] low (CONF:1198- 9032). Note: The effectiveTime/low of the Problem Concern Act asserts when the concern became active.	
CONF #: 1198-9033 Removed	This effectiveTime MAY contain zero or one [0..1] high (CONF:1198- 9033). Note: The effectiveTime/high asserts when the concern was completed (e.g., when the clinician deemed there is no longer any need to track the underlying condition).	
CONF #: 1198-9035 Removed	SHALL contain exactly one [1..1] @typeCode="SUBJ" Has subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002	

Change	Old	New
	STATIC) (CONF:1198-9035).	
CONF #: 1198-31146 Removed	SHOULD contain zero or more [0..*] author (CONF:1198-31146).	
CONF #: 1198-31639 Removed	SHALL contain exactly one [1..1] @typeCode="REFR" refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1198-31639).	
CONF #: 1198-31640 Removed	SHALL contain exactly one [1..1] observation (CONF:1198-31640).	

## 9.33 Problem Observation (NHCS V5)

Problem Observation (NHCS V5) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Problem Observation (V4)	Problem Observation (NHCS V5)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2022-06-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2025-08-01
Description	<p>This template reflects a discrete observation about a patient's problem. Because it is a discrete observation, it will have a statusCode of "completed". The effectiveTime, also referred to as the "clinically relevant time" is the time at which the observation holds for the patient. For a provider seeing a patient in the clinic today, observing a history of heart attack that occurred five years ago, the effectiveTime is five years ago.</p> <p>The effectiveTime of the Problem Observation is the definitive indication of whether or not the underlying condition is resolved. If the problem is known to be resolved, then an effectiveTime/high would be present. If the date of resolution is not known, then effectiveTime/high will be present with a nullFlavor of "UNK".</p>	<p>The C-CDA template, Problem Observation (V4), has been versioned in this guide to support USCDI-v3.</p> <p>This template reflects a discrete observation about a patient's problem. Because it is a discrete observation, it will have a statusCode of "completed". The effectiveTime, also referred to as the "clinically relevant time" is the time at which the observation holds for the patient. For a provider seeing a patient in the clinic today, observing a history of heart attack that occurred five years ago, the effectiveTime is five years ago.</p> <p>The effectiveTime of the Problem Observation is the definitive indication of whether or not the underlying condition is resolved. If the problem is known to be resolved, then an effectiveTime/high would be present. If the date of resolution is not known, then effectiveTime/high will be present with a nullFlavor of "UNK".</p>
Implied Template	Problem Observation (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2015-08-01)	
CONF #: 5564-32508 Modified	SHALL contain exactly one [1..1] @extension="2022-06-01" (CONF:4515-32508).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32508).



## 9.34 Procedure Activity Act (NHCS V3)

Procedure Activity Act (NHCS V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Procedure Activity Act (V2)	Procedure Activity Act (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2025-08-01
Description	<p>This template represents any act that cannot be classified as an observation or procedure according to the HL7 RIM. Examples of these acts are a dressing change, teaching or feeding a patient, or providing comfort measures. The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM). Procedure templates can be represented with various RIM classes: act (e.g., dressing change), observation (e.g., EEG), procedure (e.g., splenectomy).</p>	<p>The C-CDA template, Procedure Activity Act (V2), has been versioned in this guide to support USCDI-v3.</p> <p>This template represents any act that cannot be classified as an observation or procedure according to the HL7 RIM. Examples of these acts are a dressing change, teaching or feeding a patient, or providing comfort measures. The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM). Procedure templates can be represented with various RIM classes: act (e.g., dressing change), observation (e.g., EEG), procedure (e.g., splenectomy).</p>
CONF #: 5564-32505 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32505).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32505).

## 9.35 Procedure Activity Observation (NHCS V3)

### Procedure Activity Observation (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Procedure Activity Observation (V2)	Procedure Activity Observation (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2025-08-01
Description	<p>The common notion of procedure is broader than that specified by the HL7 Version 3 Reference Information Model (RIM). Therefore procedure templates can be represented with various RIM classes: act (e.g., dressing change), observation (e.g., EEG), procedure (e.g., splenectomy).</p> <p>This template represents procedures that result in new information about the patient that cannot be classified as a procedure according to the HL7 RIM. Examples of these procedures are diagnostic imaging procedures, EEGs, and EKGs.</p>	<p>The C-CDA template, Procedure Activity Observation (V2), has been versioned in this guide to support USCDI-v3.</p> <p>The common notion of procedure is broader than that specified by the HL7 Version 3 Reference Information Model (RIM). Therefore procedure templates can be represented with various RIM classes: act (e.g., dressing change), observation (e.g., EEG), procedure (e.g., splenectomy).</p> <p>This template represents procedures that result in new information about the patient that cannot be classified as a procedure according to the HL7 RIM. Examples of these procedures are diagnostic imaging procedures, EEGs, and EKGs.</p>
CONF #: 5564-32507 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32507).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32507).

## 9.36 Procedure Activity Procedure (NHCS V4)

### Procedure Activity Procedure (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Procedure Activity Procedure (V3)	Procedure Activity Procedure (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2022-06-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01
Description	<p>The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM). Therefore procedure templates can be represented with various RIM classes: act (e.g., dressing change), observation (e.g., EEG), procedure (e.g., splenectomy).</p> <p>This template represents procedures whose immediate and primary outcome (post-condition) is the alteration of the physical condition of the patient. Examples of these procedures are an appendectomy, hip replacement, and a creation of a gastrostomy. This template can be used with a contained Product Instance template to represent a device in or on a patient. In this case, targetSiteCode is used to record the location of the device in or on the patient's body. Equipment supplied to the patient (e.g., pumps, inhalers, wheelchairs) is represented by the Non-Medicinal Supply Activity (V2) template.</p> <p>Procedure Activity Procedure V3 Usage Note: Common practice in the industry has shown that Procedure Activity Procedure is the usually implemented CDA template for any type of intervention or procedure regardless of if the "immediate and primary outcome (post-condition) is the alteration of the physical condition of the patient" or not. As a result, it is recommended to use Procedure Activity Procedure when sending procedures also thought of as "interventions" such as "Home Environment Evaluation" or</p>	<p>The C-CDA template, Procedure Activity Procedure (V3), has been versioned in this guide to support USCDI-v3.</p> <p>The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM). Therefore procedure templates can be represented with various RIM classes: act (e.g., dressing change), observation (e.g., EEG), procedure (e.g., splenectomy).</p> <p>This template represents procedures whose immediate and primary outcome (post-condition) is the alteration of the physical condition of the patient. Examples of these procedures are an appendectomy, hip replacement, and a creation of a gastrostomy. This template can be used with a contained Product Instance template to represent a device in or on a patient. In this case, targetSiteCode is used to record the location of the device in or on the patient's body. Equipment supplied to the patient (e.g., pumps, inhalers, wheelchairs) is represented by the Non-Medicinal Supply Activity (V2) template.</p> <p>Procedure Activity Procedure V3 Usage Note: Common practice in the industry has shown that Procedure Activity Procedure is the usually implemented CDA template for any type of intervention or procedure regardless of if the "immediate and primary outcome (post-condition) is the alteration of the physical condition of the patient" or not. As a result, it is</p>

Change	Old	New
	"Assessment of nutritional status".	recommended to use Procedure Activity Procedure when sending procedures also thought of as "interventions" such as "Home Environment Evaluation" or "Assessment of nutritional status".
CONF #: 5564-33253 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33253) such that it
CONF #: 5564-33254 Added		SHALL contain exactly one [1..1] code (CONF:5564-33254).
CONF #: 5564-33255 Added		This code SHOULD contain zero or one [0..1] originalText (CONF:5564-33255).
CONF #: 5564-33256 Added		The originalText, if present, SHOULD contain zero or one [0..1] reference (CONF:5564-33256).
CONF #: 5564-33257 Added		The reference, if present, SHOULD contain zero or one [0..1] @value (CONF:5564-33257).
CONF #: 5564-33258 Added		SHALL contain exactly one [1..1] statusCode (CONF:5564-33258).
CONF #: 5564-33259 Added		MAY contain zero or one [0..1] methodCode (CONF:5564-33259).
CONF #: 5564-33260 Added		MAY contain zero or more [0..*] specimen (CONF:5564-33260).
CONF #: 5564-33261 Added		The specimen, if present, SHALL contain exactly one [1..1] specimenRole (CONF:5564-33261).
CONF #: 5564-33262 Added		This specimenRole SHOULD contain zero or more [0..*] id (CONF:5564-33262).
CONF #: 5564-33263 Added		SHOULD contain zero or more [0..*] performer (CONF:5564-33263) such that it
CONF #: 5564-33264 Added		SHALL contain exactly one [1..1] assignedEntity (CONF:5564-33264).
CONF #: 5564-33265 Added		This assignedEntity SHOULD contain zero or one [0..1] representedOrganization (CONF:5564-33265).
CONF #: 5564-33266 Added		MAY contain zero or more [0..*] participant (CONF:5564-33266) such that it
CONF #: 5564-33267 Added		SHALL contain exactly one [1..1] participantRole (CONF:5564-33267).
CONF #: 5564-33268 Added		MAY contain zero or more [0..*]

Change	Old	New
		participant (CONF:5564-33268) such that it
CONF #: 5564-33269 Added		SHALL contain exactly one [1..1] participantRole (CONF:5564-33269).
CONF #: 5564-33270 Added		MAY contain zero or more [0..*] entryRelationship (CONF:5564-33270) such that it
CONF #: 5564-33271 Added		SHALL contain exactly one [1..1] encounter (CONF:5564-33271).
CONF #: 5564-33272 Added		This encounter SHALL contain exactly one [1..1] id (CONF:5564-33272).
CONF #: 5564-33273 Added		MAY contain zero or one [0..1] entryRelationship (CONF:5564-33273) such that it
CONF #: 5564-33274 Added		SHALL contain exactly one [1..1] act (CONF:5564-33274).
CONF #: 5564-33275 Added		MAY contain zero or more [0..*] entryRelationship (CONF:5564-33275) such that it
CONF #: 5564-33276 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33276).
CONF #: 5564-33277 Added		MAY contain zero or more [0..*] entryRelationship (CONF:5564-33277) such that it
CONF #: 5564-33278 Added		SHALL contain exactly one [1..1] substanceAdministration (CONF:5564-33278).
CONF #: 5564-33279 Added		MAY contain zero or more [0..*] entryRelationship (CONF:5564-33279) such that it
CONF #: 5564-33280 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33280).
CONF #: 5564-33281 Added		SHOULD contain zero or more [0..*] author (CONF:5564-33281).
CONF #: 5564-33282 Added		When an Assessment Scale Observation is contained in a Procedure Template instance that is a Social Determinant of Health intervention procedure, that Assessment scale **MAY** contain Assessment Scale observations that represent LOINC question and answer pairs from SDOH screening instruments. MAY contain zero or more [0..*] entryRelationship (CONF:5564-33282) such that it

Change	Old	New
CONF #: 5564-33283 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33283).
CONF #: 5564-33284 Added		When an Entry Reference Template is contained in a Procedure Template instance that is a Social Determinant of Health procedure, that Entry Reference <b>**MAY**</b> refer to Assessment Scale Observation in the same document that represent LOINC question and answer pairs from SDOH screening instruments. MAY contain zero or more [0..*] entryRelationship (CONF:5564-33284) such that it
CONF #: 5564-33285 Added		SHALL contain exactly one [1..1] act (CONF:5564-33285).
CONF #: 5564-33286 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.4.14" (CONF:5564-33286).
CONF #: 5564-33287 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33287).
CONF #: 5564-33288 Added		This reference/@value <b>**SHALL**</b> begin with a '#' and <b>**SHALL**</b> point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:5564-33288).
CONF #: 5564-33289 Added		This @code SHOULD be selected from LOINC (CodeSystem: 2.16.840.1.113883.6.1) or SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96) or CPT (CodeSystem: 2.16.840.1.113883.6.12) or ICD-10-PCS (CodeSystem: 2.16.840.1.113883.6.4) or HCPCS (Code System: 2.16.840.1.113762.1.4.1247.9) or CDT-2 (Code System: 2.16.840.1.113883.6.13) (CONF:5564-33289).
CONF #: 5564-33290 Added		If the Intervention Procedure is a Social Determinant of Health Intervention, the procedure code <b>**SHOULD**</b> be selected from ValueSet [Social Determinant of Health Procedures](https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1196.789/expansion) <b>**DYNAMIC**</b> (CONF:5564-33290).

Change	Old	New
CONF #: 5564-33291 Added		This statusCode SHALL contain exactly one [1..1] @code, which SHALL be selected from ValueSet ProcedureAct statusCode urn:oid:2.16.840.1.113883.11.20.9.22 STATIC 2014-04-23 (CONF:5564-33291).
CONF #: 5564-33292 Added		MethodCode **SHALL NOT** conflict with the method inherent in Procedure / code (CONF:5564-33292).
CONF #: 5564-33293 Added		If you want to indicate that the Procedure and the Results are referring to the same specimen, the Procedure/specimen/specimenRole/id **SHOULD** be set to equal an Organizer/specimen/specimenRole/id (CONF:5564-33293).
CONF #: 5564-33294 Added		This specimen is for representing specimens obtained from a procedure (CONF:5564-33294).
CONF #: 5564-33295 Added		The representedOrganization, if present, SHOULD contain zero or more [0..*] id (CONF:5564-33295).
CONF #: 5564-33296 Added		The representedOrganization, if present, MAY contain zero or more [0..*] name (CONF:5564-33296).
CONF #: 5564-33297 Added		The representedOrganization, if present, SHALL contain at least one [1..*] telecom (CONF:5564-33297).
CONF #: 5564-33298 Added		The representedOrganization, if present, SHALL contain at least one [1..*] addr (CONF:5564-33298).
CONF #: 5564-33299 Added		This assignedEntity SHALL contain at least one [1..*] id (CONF:5564-33299).
CONF #: 5564-33300 Added		This assignedEntity SHALL contain at least one [1..*] addr (CONF:5564-33300).
CONF #: 5564-33301 Added		This assignedEntity SHALL contain at least one [1..*] telecom (CONF:5564-33301).
CONF #: 5564-33302 Added		SHALL contain exactly one [1..1] @typeCode="DEV" Device (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33302).

Change	Old	New
CONF #: 5564-33303 Added		SHALL contain exactly one [1..1] @typeCode="LOC" Location (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 STATIC) (CONF:5564-33303).
CONF #: 5564-33304 Added		Set the encounter ID to the ID of an encounter in another section to signify they are the same encounter (CONF:5564-33304).
CONF #: 5564-33305 Added		This encounter SHALL contain exactly one [1..1] @classCode="ENC" Encounter (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:5564-33305).
CONF #: 5564-33306 Added		This encounter SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:5564-33306).
CONF #: 5564-33307 Added		SHALL contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33307).
CONF #: 5564-33308 Added		SHALL contain exactly one [1..1] @inversionInd="true" true (CONF:5564-33308).
CONF #: 5564-33309 Added		SHALL contain exactly one [1..1] @typeCode="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33309).
CONF #: 5564-33310 Added		SHALL contain exactly one [1..1] @inversionInd="true" true (CONF:5564-33310).
CONF #: 5564-33311 Added		SHALL contain exactly one [1..1] @typeCode="RSON" Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:5564-33311).
CONF #: 5564-33312 Added		SHALL contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002



Change	Old	New
		STATIC) (CONF:5564-33312).
CONF #: 5564-33313 Added		SHALL contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33313).
CONF #: 5564-33314 Added		SHALL contain exactly one [1..1] @classCode="PROC" Procedure (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:5564-33314).
CONF #: 5564-33315 Added		SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:5564-33315).
CONF #: 5564-33316 Added		SHALL contain at least one [1..*] id (CONF:5564-33316).
CONF #: 5564-33317 Added		SHOULD contain zero or one [0..1] effectiveTime (CONF:5564-33317).
CONF #: 5564-33318 Added		MAY contain zero or one [0..1] priorityCode, which SHALL be selected from ValueSet ActPriority urn:oid:2.16.840.1.113883.1.11.16 866 DYNAMIC (CONF:5564- 33318).
CONF #: 5564-33319 Added		In the case of an implanted medical device, targetSiteCode is used to record the location of the device, in or on the patient's body. SHOULD contain zero or more [0..*] targetSiteCode, which SHALL be selected from ValueSet Body Site Value Set urn:oid:2.16.840.1.113883.3.88.12 .3221.8.9 DYNAMIC (CONF:5564- 33319).
CONF #: 5564-33320 Added		SHALL contain exactly one [1..1] @typeCode="RSON" Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33320).
CONF #: 5564-33321 Added		SHALL contain exactly one [1..1] @typeCode="RSON" Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33321).
CONF #: 4515-7654 Removed	SHALL contain exactly one [1..1]	

Change	Old	New
	templateId (CONF:4515-7654) such that it	
CONF #: 4515-7656 Removed	SHALL contain exactly one [1..1] code (CONF:4515-7656).	
CONF #: 4515-19203 Removed	This code SHOULD contain zero or one [0..1] originalText (CONF:4515-19203).	
CONF #: 4515-19204 Removed	The originalText, if present, SHOULD contain zero or one [0..1] reference (CONF:4515-19204).	
CONF #: 4515-19205 Removed	The reference, if present, SHOULD contain zero or one [0..1] @value (CONF:4515-19205).	
CONF #: 4515-7661 Removed	SHALL contain exactly one [1..1] statusCode (CONF:4515-7661).	
CONF #: 4515-7670 Removed	MAY contain zero or one [0..1] methodCode (CONF:4515-7670).	
CONF #: 4515-7697 Removed	MAY contain zero or more [0..*] specimen (CONF:4515-7697).	
CONF #: 4515-7704 Removed	The specimen, if present, SHALL contain exactly one [1..1] specimenRole (CONF:4515-7704).	
CONF #: 4515-7716 Removed	This specimenRole SHOULD contain zero or more [0..*] id (CONF:4515-7716).	
CONF #: 4515-7718 Removed	SHOULD contain zero or more [0..*] performer (CONF:4515-7718) such that it	
CONF #: 4515-7720 Removed	SHALL contain exactly one [1..1] assignedEntity (CONF:4515-7720).	
CONF #: 4515-7733 Removed	This assignedEntity SHOULD contain zero or one [0..1] representedOrganization (CONF:4515-7733).	
CONF #: 4515-7751 Removed	MAY contain zero or more [0..*] participant (CONF:4515-7751) such that it	
CONF #: 4515-15911 Removed	SHALL contain exactly one [1..1] participantRole (CONF:4515-15911).	
CONF #: 4515-7765 Removed	MAY contain zero or more [0..*] participant (CONF:4515-7765) such that it	
CONF #: 4515-15912 Removed	SHALL contain exactly one [1..1] participantRole (CONF:4515-15912).	
CONF #: 4515-7768 Removed	MAY contain zero or more [0..*] entryRelationship (CONF:4515-	

Change	Old	New
	7768) such that it	
CONF #: 4515-7770 Removed	SHALL contain exactly one [1..1] encounter (CONF:4515-7770).	
CONF #: 4515-7773 Removed	This encounter SHALL contain exactly one [1..1] id (CONF:4515-7773).	
CONF #: 4515-7775 Removed	MAY contain zero or one [0..1] entryRelationship (CONF:4515-7775) such that it	
CONF #: 4515-31395 Removed	SHALL contain exactly one [1..1] act (CONF:4515-31395).	
CONF #: 4515-7779 Removed	MAY contain zero or more [0..*] entryRelationship (CONF:4515-7779) such that it	
CONF #: 4515-15914 Removed	SHALL contain exactly one [1..1] observation (CONF:4515-15914).	
CONF #: 4515-7886 Removed	MAY contain zero or more [0..*] entryRelationship (CONF:4515-7886) such that it	
CONF #: 4515-15915 Removed	SHALL contain exactly one [1..1] substanceAdministration (CONF:4515-15915).	
CONF #: 4515-32473 Removed	MAY contain zero or more [0..*] entryRelationship (CONF:4515-32473) such that it	
CONF #: 4515-32475 Removed	SHALL contain exactly one [1..1] observation (CONF:4515-32475).	
CONF #: 4515-32479 Removed	SHOULD contain zero or more [0..*] author (CONF:4515-32479).	
CONF #: 4515-7652 Removed	SHALL contain exactly one [1..1] @classCode="PROC" Procedure (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:4515-7652).	
CONF #: 4515-7653 Removed	SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:4515-7653).	
CONF #: 4515-10521 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.4.14" (CONF:4515-10521).	
CONF #: 4515-32506 Removed	SHALL contain exactly one [1..1] @extension="2022-06-01" (CONF:4515-32506).	
CONF #: 4515-7655 Removed	SHALL contain at least one [1..*] id (CONF:4515-7655).	
CONF #: 4515-19206 Removed	This reference/@value **SHALL**	

Change	Old	New
	begin with a '#' and <b>**SHALL**</b> point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:4515-19206).	
CONF #: 4515-19207 Removed	This @code SHOULD be selected from LOINC (CodeSystem: 2.16.840.1.113883.6.1) or SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96) or CPT (CodeSystem: 2.16.840.1.113883.6.12) or ICD-10-PCS (CodeSystem: 2.16.840.1.113883.6.4) or HCPCS (Code System: 2.16.840.1.113762.1.4.1247.9) or CDT-2 (Code System: 2.16.840.1.113883.6.13) (CONF:4515-19207).	
CONF #: 4515-32366 Removed	This statusCode SHALL contain exactly one [1..1] @code, which SHALL be selected from ValueSet ProcedureAct statusCode urn:oid:2.16.840.1.113883.11.20.9.22 STATIC 2014-04-23 (CONF:4515-32366).	
CONF #: 4515-7662 Removed	SHOULD contain zero or one [0..1] effectiveTime (CONF:4515-7662).	
CONF #: 4515-7668 Removed	MAY contain zero or one [0..1] priorityCode, which SHALL be selected from ValueSet ActPriority urn:oid:2.16.840.1.113883.1.11.16.866 DYNAMIC (CONF:4515-7668).	
CONF #: 4515-7890 Removed	MethodCode <b>**SHALL NOT**</b> conflict with the method inherent in Procedure / code (CONF:4515-7890).	
CONF #: 4515-7683 Removed	In the case of an implanted medical device, targetSiteCode is used to record the location of the device, in or on the patient's body. SHOULD contain zero or more [0..*] targetSiteCode, which SHALL be selected from ValueSet Body Site Value Set urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 DYNAMIC (CONF:4515-7683).	
CONF #: 4515-29744 Removed	If you want to indicate that the Procedure and the Results are referring to the same specimen, the Procedure/specimen/specimenRole /id <b>**SHOULD**</b> be set to equal an	

Change	Old	New
	Organizer/specimen/specimenRole/id (CONF:4515-29744).	
CONF #: 4515-16842 Removed	This specimen is for representing specimens obtained from a procedure (CONF:4515-16842).	
CONF #: 4515-7722 Removed	This assignedEntity SHALL contain at least one [1..*] id (CONF:4515-7722).	
CONF #: 4515-7731 Removed	This assignedEntity SHALL contain at least one [1..*] addr (CONF:4515-7731).	
CONF #: 4515-7732 Removed	This assignedEntity SHALL contain at least one [1..*] telecom (CONF:4515-7732).	
CONF #: 4515-7734 Removed	The representedOrganization, if present, SHOULD contain zero or more [0..*] id (CONF:4515-7734).	
CONF #: 4515-7735 Removed	The representedOrganization, if present, MAY contain zero or more [0..*] name (CONF:4515-7735).	
CONF #: 4515-7737 Removed	The representedOrganization, if present, SHALL contain at least one [1..*] telecom (CONF:4515-7737).	
CONF #: 4515-7736 Removed	The representedOrganization, if present, SHALL contain at least one [1..*] addr (CONF:4515-7736).	
CONF #: 4515-7752 Removed	SHALL contain exactly one [1..1] @typeCode="DEV" Device (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:4515-7752).	
CONF #: 4515-7766 Removed	SHALL contain exactly one [1..1] @typeCode="LOC" Location (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 STATIC) (CONF:4515-7766).	
CONF #: 4515-7769 Removed	SHALL contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:4515-7769).	
CONF #: 4515-8009 Removed	SHALL contain exactly one [1..1] @inversionInd="true" true (CONF:4515-8009).	
CONF #: 4515-7771 Removed	This encounter SHALL contain	

Change	Old	New
	exactly one [1..1] @classCode="ENC" Encounter (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:4515-7771).	
CONF #: 4515-7772 Removed	This encounter SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:4515-7772).	
CONF #: 4515-16843 Removed	Set the encounter ID to the ID of an encounter in another section to signify they are the same encounter (CONF:4515-16843).	
CONF #: 4515-7776 Removed	SHALL contain exactly one [1..1] @typeCode="SUBJ" Has Subject (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:4515-7776).	
CONF #: 4515-7777 Removed	SHALL contain exactly one [1..1] @inversionInd="true" true (CONF:4515-7777).	
CONF #: 4515-7780 Removed	SHALL contain exactly one [1..1] @typeCode="RSON" Has Reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:4515-7780).	
CONF #: 4515-7887 Removed	SHALL contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 STATIC) (CONF:4515-7887).	
CONF #: 4515-32474 Removed	SHALL contain exactly one [1..1] @typeCode="COMP" Has Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4515-32474).	
CONF #: 4515-32984 Removed	If the Intervention Procedure is a Social Determinant of Health Intervention, the procedure code **SHOULD** be selected from ValueSet [Social Determinant of Health Procedures]( <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1196.789/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1196.789/expansion</a> ) **DYNAMIC** (CONF:4515-32984).	

Change	Old	New
CONF #: 4515-32985 Removed	When an Assessment Scale Observation is contained in a Procedure Template instance that is a Social Determinant of Health intervention procedure, that Assessment scale <b>**MAY**</b> contain Assessment Scale observations that represent LOINC question and answer pairs from SDOH screening instruments. MAY contain zero or more [0..*] entryRelationship (CONF:4515-32985) such that it	
CONF #: 4515-32986 Removed	SHALL contain exactly one [1..1] observation (CONF:4515-32986).	
CONF #: 4515-32987 Removed	SHALL contain exactly one [1..1] @typeCode="RSON" Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4515-32987).	
CONF #: 4515-32988 Removed	When an Entry Reference Template is contained in a Procedure Template instance that is a Social Determinant of Health procedure, that Entry Reference <b>**MAY**</b> refer to Assessment Scale Observation in the same document that represent LOINC question and answer pairs from SDOH screening instruments. MAY contain zero or more [0..*] entryRelationship (CONF:4515-32988) such that it	
CONF #: 4515-32989 Removed	SHALL contain exactly one [1..1] act (CONF:4515-32989).	
CONF #: 4515-32990 Removed	SHALL contain exactly one [1..1] @typeCode="RSON" Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4515-32990).	

## 9.37 Procedure Activity Procedure (UDI) (V2)

### Procedure Activity Procedure (UDI) (V2)

(urn:hl7ii:2.16.840.1.113883.10.20.34.3.46:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Procedure Activity Procedure (UDI)	Procedure Activity Procedure (UDI) (V2)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.3.46:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.34.3.46:2025-08-01
Implied Template	Procedure Activity Procedure (V2) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2014-06-09)	Procedure Activity Procedure (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2025-08-01)
CONF #: 5564-33356 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33356) such that it
CONF #: 4447-29013 Removed	SHALL contain exactly one [1..1] templateId (CONF:4447-29013) such that it	
CONF #: 5564-29045 Modified	SHALL contain exactly one [1..1] @extension="2019-08-01" (CONF:4447-29045).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-29045).



## 9.38 Reaction Observation (NHCS V3)

Reaction Observation (NHCS V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Reaction Observation (V2)	Reaction Observation (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.4.9:2025-08-01
Description	This clinical statement represents the response to an undesired symptom, finding, etc. due to administered or exposed substance. A reaction can be defined described with respect to its severity, and can have been treated by one or more interventions.	The C-CDA template, Reaction Observation (V2), has been versioned in this guide to support USCDI-v3.  This clinical statement represents the response to an undesired symptom, finding, etc. due to administered or exposed substance. A reaction can be defined described with respect to its severity, and can have been treated by one or more interventions.
CONF #: 5564-32504 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32504).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32504).

## 9.39 Result Organizer (NHCS V5)

Result Organizer (NHCS V5) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Result Organizer (V4)	Result Organizer (NHCS V5)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2023-05-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.1:2025-08-01
Description	<p>This template provides a mechanism for grouping result observations. It contains information applicable to all of the contained result observations. The Result Organizer code categorizes the contained results into one of several commonly accepted values (e.g., "Hematology", "Chemistry", "Nuclear Medicine").</p> <p>If any Result Observation within the organizer has a statusCode of "active", the Result Organizer must also have a statusCode of "active".</p>	<p>The C-CDA template, Result Organizer (V4), has been versioned in this guide to support USCDI-v3.</p> <p>This template provides a mechanism for grouping result observations. It contains information applicable to all of the contained result observations. The Result Organizer code categorizes the contained results into one of several commonly accepted values (e.g., "Hematology", "Chemistry", "Nuclear Medicine").</p> <p>If any Result Observation within the organizer has a statusCode of "active", the Result Organizer must also have a statusCode of "active".</p>
CONF #: 5564-33232 Added		SHALL contain at least one [1..*] component (CONF:5564-33232) such that it
CONF #: 5564-33233 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33233).
CONF #: 5564-33234 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33234) such that it
CONF #: 5564-33235 Added		SHALL contain exactly one [1..1] code (CONF:5564-33235).
CONF #: 5564-33236 Added		SHALL contain exactly one [1..1] statusCode (CONF:5564-33236).
CONF #: 5564-33237 Added		<p>MAY contain zero or one [0..1] effectiveTime (CONF:5564-33237). Note: The effectiveTime is an interval that spans the effectiveTimes of the contained result observations. Because all contained result observations have a required time stamp, it is not required that this effectiveTime be populated.</p>
CONF #: 5564-33238 Added		SHOULD contain zero or more [0..*] author (CONF:5564-33238).

Change	Old	New
CONF #: 5564-33239 Added		When an organizer is for laboratory, observations are expected to include the specimen participant. The specimen included at specimenPlayingEntity/code must be consistent with the observation/code. MAY contain zero or more [0..*] specimen (CONF:5564-33239).
CONF #: 5564-33240 Added		The specimen, if present, SHALL contain exactly one [1..1] specimenRole (CONF:5564-33240).
CONF #: 5564-33241 Added		This specimenRole SHALL contain exactly one [1..1] specimenPlayingEntity (CONF:5564-33241).
CONF #: 5564-33242 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2.4.1" (CONF:5564-33242).
CONF #: 5564-33243 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33243).
CONF #: 5564-33244 Added		<b>**SHOULD**</b> be selected from LOINC (codeSystem 2.16.840.1.113883.6.1) <b>**OR**</b> SNOMED CT (codeSystem 2.16.840.1.113883.6.96), and <b>**MAY**</b> be selected from CPT (codeSystem 2.16.840.1.113883.6.12) (CONF:5564-33244).
CONF #: 5564-33245 Added		Laboratory results <b>**SHOULD**</b> be from LOINC (CodeSystem: 2.16.840.1.113883.6.1) or other constrained terminology named by the US Department of Health and Human Services Office of National Coordinator or other federal agency (CONF:5564-33245).
CONF #: 5564-33246 Added		This statusCode SHALL contain exactly one [1..1] @code, which SHALL be selected from ValueSet Result Status urn:oid:2.16.840.1.113883.11.20.9.39 STATIC (CONF:5564-33246).
CONF #: 5564-33247 Added		The effectiveTime, if present, SHALL contain exactly one [1..1] low (CONF:5564-33247).
CONF #: 5564-33248 Added		The effectiveTime, if present, SHALL contain exactly one [1..1] high (CONF:5564-33248).

Change	Old	New
CONF #: 5564-33249 Added		SHALL contain exactly one [1..1] @classCode (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:5564-33249).
CONF #: 5564-33250 Added		SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:5564-33250).
CONF #: 5564-33251 Added		SHALL contain at least one [1..*] id (CONF:5564-33251).
CONF #: 5564-33252 Added		This specimenPlayingEntity SHALL contain exactly one [1..1] code, which SHOULD be selected from ValueSet Specimen type urn:oid:2.16.840.1.113762.1.4.109 9.54 DYNAMIC (CONF:5564-33252).
CONF #: 4537-7124 Removed	SHALL contain at least one [1..*] component (CONF:4537-7124) such that it	
CONF #: 4537-14850 Removed	SHALL contain exactly one [1..1] observation (CONF:4537-14850).	
CONF #: 4537-7126 Removed	SHALL contain exactly one [1..1] templateId (CONF:4537-7126) such that it	
CONF #: 4537-7128 Removed	SHALL contain exactly one [1..1] code (CONF:4537-7128).	
CONF #: 4537-7123 Removed	SHALL contain exactly one [1..1] statusCode (CONF:4537-7123).	
CONF #: 4537-31865 Removed	MAY contain zero or one [0..1] effectiveTime (CONF:4537-31865). Note: The effectiveTime is an interval that spans the effectiveTimes of the contained result observations. Because all contained result observations have a required time stamp, it is not required that this effectiveTime be populated.	
CONF #: 4537-31149 Removed	SHOULD contain zero or more [0..*] author (CONF:4537-31149).	
CONF #: 4537-9134 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.4.1" (CONF:4537-9134).	
CONF #: 4537-32588 Removed	SHALL contain exactly one [1..1] @extension="2023-05-01" (CONF:4537-32588).	
CONF #: 4537-19218 Removed	**SHOULD** be selected from	

Change	Old	New
	LOINC (codeSystem 2.16.840.1.113883.6.1) <b>**OR**</b> SNOMED CT (codeSystem 2.16.840.1.113883.6.96), and <b>**MAY**</b> be selected from CPT (codeSystem 2.16.840.1.113883.6.12) (CONF:4537-19218).	
CONF #: 4537-19219 Removed	Laboratory results <b>**SHOULD**</b> be from LOINC (CodeSystem: 2.16.840.1.113883.6.1) or other constrained terminology named by the US Department of Health and Human Services Office of National Coordinator or other federal agency (CONF:4537-19219).	
CONF #: 4537-14848 Removed	This statusCode SHALL contain exactly one [1..1] @code, which SHALL be selected from ValueSet Result Status urn:oid:2.16.840.1.113883.11.20.9.39 STATIC (CONF:4537-14848).	
CONF #: 4537-32488 Removed	The effectiveTime, if present, SHALL contain exactly one [1..1] low (CONF:4537-32488).	
CONF #: 4537-32489 Removed	The effectiveTime, if present, SHALL contain exactly one [1..1] high (CONF:4537-32489).	
CONF #: 4537-7121 Removed	SHALL contain exactly one [1..1] @classCode (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 STATIC) (CONF:4537-7121).	
CONF #: 4537-7122 Removed	SHALL contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 STATIC) (CONF:4537-7122).	
CONF #: 4537-7127 Removed	SHALL contain at least one [1..*] id (CONF:4537-7127).	
CONF #: 4537-32615 Removed	When an organizer is for laboratory, observations are expected to include the specimen participant. The specimen included at specimenPlayingEntity/code must be consistent with the observation/code. MAY contain zero or more [0..*] specimen (CONF:4537-32615).	
CONF #: 4537-32616 Removed	The specimen, if present, SHALL contain exactly one [1..1] specimenRole (CONF:4537-32616).	

Change	Old	New
CONF #: 4537-32617 Removed	This specimenRole SHALL contain exactly one [1..1] specimenPlayingEntity (CONF:4537-32617).	
CONF #: 4537-32618 Removed	This specimenPlayingEntity SHALL contain exactly one [1..1] code, which SHOULD be selected from ValueSet Specimen type urn:oid:2.16.840.1.113762.1.4.109 9.54 DYNAMIC (CONF:4537-32618).	

## 9.40 Social History Observation (NHCS V5)

### Social History Observation (NHCS V5)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Social History Observation (V4)	Social History Observation (NHCS V5)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2022-06-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01
Description	<p>This template represents a patient's job (occupation and industry), lifestyle, and environmental health risk factors. Demographic data (e.g., marital status, race, ethnicity, religious affiliation) are captured in the header. Though tobacco use and exposure may be represented with a Social History Observation, it is recommended to use the Current Smoking Status template or the Tobacco Use template instead, to represent smoking or tobacco habits.</p> <p>There are supplemental templates and guidance for observations of [Occupational Data for Health](https://www.hl7.org/implementation/standards/product_brief.cfm?product_id=522), [nutrition](https://www.hl7.org/implementation/standards/product_brief.cfm?product_id=478) and [pregnancy](https://www.hl7.org/implementation/standards/product_brief.cfm?product_id=494) that could be captured in the Social History Observation, and implementers may want to consider using those more specific templates in the Social History section.</p>	<p>The C-CDA template, Social History Observation (V4), has been versioned in this guide to support USCDI-v3.</p> <p>This template represents a patient's job (occupation and industry), lifestyle, and environmental health risk factors. Demographic data (e.g., marital status, race, ethnicity, religious affiliation) are captured in the header. Though tobacco use and exposure may be represented with a Social History Observation, it is recommended to use the Current Smoking Status template or the Tobacco Use template instead, to represent smoking or tobacco habits.</p> <p>There are supplemental templates and guidance for observations of [Occupational Data for Health](https://www.hl7.org/implementation/standards/product_brief.cfm?product_id=522), [nutrition](https://www.hl7.org/implementation/standards/product_brief.cfm?product_id=478) and [pregnancy](https://www.hl7.org/implementation/standards/product_brief.cfm?product_id=494) that could be captured in the Social History Observation, and implementers may want to consider using those more specific templates in the Social History section.</p>
CONF #: 5564-33365 Added		SHALL contain exactly one [1..1] act (CONF:5564-33365).
CONF #: 5564-33366 Added		SHALL contain exactly one [1..1] @typeCode="SPRT" Has support (CodeSystem: HL7ActRelationshipType

Change	Old	New
		urn:oid:2.16.840.1.113883.5.1002) (CONF:5564-33366).
CONF #: 4515-32960 Removed	SHALL contain exactly one [1..1] @typeCode="SPRT" Has support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4515-32960).	
CONF #: 4515-32970 Removed	SHALL contain exactly one [1..1] act (CONF:4515-32970).	
CONF #: 5564-32495 Modified	SHALL contain exactly one [1..1] @extension="2022-06-01" (CONF:4515-32495).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32495).



## 9.41 Substance or Device Allergy - Intolerance Observation (NHCS V3)

Substance or Device Allergy - Intolerance Observation (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Substance or Device Allergy - Intolerance Observation (V2)	Substance or Device Allergy - Intolerance Observation (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.24.3.90:2025-08-01
Description	<p>This template reflects a discrete observation about a patient's allergy or intolerance to a substance or device. Because it is a discrete observation, it will have a statusCode of "completed". The effectiveTime, also referred to as the 'clinically relevant time' is the time at which the observation holds for the patient. For a provider seeing a patient in the clinic today, observing a history of penicillin allergy that developed five years ago, the effectiveTime is five years ago.</p> <p>The effectiveTime of the Substance or Device Allergy - Intolerance Observation is the definitive indication of whether or not the underlying allergy/intolerance is resolved. If known to be resolved, then an effectiveTime/high would be present. If the date of resolution is not known, then effectiveTime/high will be present with a nullFlavor of "UNK".</p>	<p>The C-CDA template, Substance or Device Allergy - Intolerance Observation (V2), has been versioned in this guide to support USCDI-v3.</p> <p>This template reflects a discrete observation about a patient's allergy or intolerance to a substance or device. Because it is a discrete observation, it will have a statusCode of "completed". The effectiveTime, also referred to as the 'clinically relevant time' is the time at which the observation holds for the patient. For a provider seeing a patient in the clinic today, observing a history of penicillin allergy that developed five years ago, the effectiveTime is five years ago.</p> <p>The effectiveTime of the Substance or Device Allergy - Intolerance Observation is the definitive indication of whether or not the underlying allergy/intolerance is resolved. If known to be resolved, then an effectiveTime/high would be present. If the date of resolution is not known, then effectiveTime/high will be present with a nullFlavor of "UNK".</p>
CONF #: 5564-32527 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32527).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32527).

## 9.42 Tribal Affiliation Observation (NHCS V2)

### Tribal Affiliation Observation (NHCS V2)

(urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Tribal Affiliation Observation	Tribal Affiliation Observation (NHCS V2)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2023-05-01	urn:hl7ii:2.16.840.1.113883.10.20.22.4.506:2025-08-01
Description	<p>This template represents the tribe or band that an individual associates with, within the United States. It is recommended systems include the Tribal Affiliation Observation in the Social History section.</p> <p>The tribe or band name is drawn from an HL7 code system that aligns with the Indian entities list, a list of tribes or bands recognized by and eligible to receive services from the United States Bureau of Indian Affairs. This template does not represent tribal enrollment. Please see [Indian Entities Recognized by and Eligible To Receive Services From the United States Bureau of Indian Affairs](https://www.federalregister.gov/documents/2021/01/29/2021-01606/indian-entities-recognized-by-and-eligible-to-receive-services-from-the-united-states-bureau-of).</p>	<p>The C-CDA template, Tribal Affiliation Observation, has been versioned in this guide to support USCDI-v3.</p> <p>This template represents the tribe or band that an individual associates with, within the United States. It is recommended systems include the Tribal Affiliation Observation in the Social History section.</p> <p>The tribe or band name is drawn from an HL7 code system that aligns with the Indian entities list, a list of tribes or bands recognized by and eligible to receive services from the United States Bureau of Indian Affairs. This template does not represent tribal enrollment. Please see [Indian Entities Recognized by and Eligible To Receive Services From the United States Bureau of Indian Affairs](https://www.federalregister.gov/documents/2021/01/29/2021-01606/indian-entities-recognized-by-and-eligible-to-receive-services-from-the-united-states-bureau-of).</p>
Implied Template	Social History Observation (V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2022-06-01)	Social History Observation (NHCS V5) (urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2025-08-01)
CONF #: 5564-33383 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33383) such that it
CONF #: 5564-33384 Added		SHALL contain exactly one [1..1] code (CONF:5564-33384).
CONF #: 5564-33385 Added		The effectiveTime reflects a point in time observation when the current tribal affiliation status was

Change	Old	New
		observed. SHALL contain exactly one [1..1] effectiveTime (CONF:5564-33385).
CONF #: 5564-33386 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2.4.506" (CONF:5564-33386).
CONF #: 5564-33387 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33387).
CONF #: 5564-33388 Added		SHALL contain exactly one [1..1] @classCode="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:5564-33388).
CONF #: 5564-33389 Added		SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:5564-33389).
CONF #: 5564-33390 Added		This code SHALL contain exactly one [1..1] @code="95370-3" Tribal Affiliation (CONF:5564-33390).
CONF #: 5564-33391 Added		Note: This template represents a "snapshot in time" observation, simply reflecting the patient's tribal affiliation at the time of the observation. As a result, the effectiveTime is constrained to just a time stamp. This effectiveTime SHALL NOT contain exactly one [1..1] low (CONF:5564-33391).
CONF #: 5564-33392 Added		This effectiveTime SHALL NOT contain exactly one [1..1] width (CONF:5564-33392).
CONF #: 5564-33393 Added		This effectiveTime SHALL NOT contain exactly one [1..1] high (CONF:5564-33393).
CONF #: 5564-33394 Added		This effectiveTime SHALL NOT contain exactly one [1..1] center (CONF:5564-33394).
CONF #: 4537-1 Removed	SHALL contain exactly one [1..1] templateId (CONF:4537-1) such that it	
CONF #: 4537-2 Removed	SHALL contain exactly one [1..1] @classCode="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:4537-2).	
CONF #: 4537-3 Removed	SHALL contain exactly one [1..1] @moodCode="EVN" (CodeSystem:	

Change	Old	New
	HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4537-3).	
CONF #: 4537-4 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.4.506" (CONF:4537-4).	
CONF #: 4537-5 Removed	SHALL contain exactly one [1..1] @extension="2023-05-01" (CONF:4537-5).	
CONF #: 4537-6 Removed	SHALL contain exactly one [1..1] code (CONF:4537-6).	
CONF #: 4537-7 Removed	This code SHALL contain exactly one [1..1] @code="95370-3" Tribal Affiliation (CONF:4537-7).	
CONF #: 4537-11 Removed	The effectiveTime reflects a point in time observation when the current tribal affiliation status was observed. SHALL contain exactly one [1..1] effectiveTime (CONF:4537-11).	
CONF #: 4537-33048 Removed	Note: This template represents a "snapshot in time" observation, simply reflecting the patient's tribal affiliation at the time of the observation. As a result, the effectiveTime is constrained to just a time stamp. This effectiveTime SHALL NOT contain exactly one [1..1] low (CONF:4537-33048).	
CONF #: 4537-33049 Removed	This effectiveTime SHALL NOT contain exactly one [1..1] width (CONF:4537-33049).	
CONF #: 4537-33050 Removed	This effectiveTime SHALL NOT contain exactly one [1..1] high (CONF:4537-33050).	
CONF #: 4537-33051 Removed	This effectiveTime SHALL NOT contain exactly one [1..1] center (CONF:4537-33051).	

## 9.43 Allergies and Intolerances Section (entries optional) (NHCS V4)

Allergies and Intolerances Section (entries optional) (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.6:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Allergies and Intolerances Section (entries optional) (V3)	Allergies and Intolerances Section (entries optional) (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.6:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.6:2025-08-01
Description	This section lists and describes any medication allergies, adverse reactions, idiosyncratic reactions, anaphylaxis/anaphylactoid reactions to food items, and metabolic variations or adverse reactions/allergies to other substances (such as latex, iodine, tape adhesives). At a minimum, it should list currently active and any relevant historical allergies and adverse reactions.	<p>The C-CDA template, Allergies and Intolerances Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.</p> <p>This section lists and describes any medication allergies, adverse reactions, idiosyncratic reactions, anaphylaxis/anaphylactoid reactions to food items, and metabolic variations or adverse reactions/allergies to other substances (such as latex, iodine, tape adhesives). At a minimum, it should list currently active and any relevant historical allergies and adverse reactions.</p>
CONF #: 5564-32544 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32544).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32544).

## 9.44 Allergies and Intolerances Section (entries required) (NHCS V4)

Allergies and Intolerances Section (entries required) (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Allergies and Intolerances Section (entries required) (V3)	Allergies and Intolerances Section (entries required) (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.6.1:2025-08-01
Description	This section lists and describes any medication allergies, adverse reactions, idiosyncratic reactions, anaphylaxis/anaphylactoid reactions to food items, and metabolic variations or adverse reactions/allergies to other substances (such as latex, iodine, tape adhesives). At a minimum, it should list currently active and any relevant historical allergies and adverse reactions.	The C-CDA template, Allergies and Intolerances Section (entries required) (V3), has been versioned in this guide to support USCDI-v3.  This section lists and describes any medication allergies, adverse reactions, idiosyncratic reactions, anaphylaxis/anaphylactoid reactions to food items, and metabolic variations or adverse reactions/allergies to other substances (such as latex, iodine, tape adhesives). At a minimum, it should list currently active and any relevant historical allergies and adverse reactions.
Implied Template	Allergies and Intolerances Section (entries optional) (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.6:2015-08-01)	Allergies and Intolerances Section (entries optional) (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.6:2025-08-01)
CONF #: 5564-32545 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32545).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32545).

## 9.45 Chief Complaint and Reason for Visit Section with NullFlavor (V5)

Chief Complaint and Reason for Visit Section with NullFlavor (V5)

(urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Chief Complaint and Reason for Visit Section with NullFlavor (V4)	Chief Complaint and Reason for Visit Section with NullFlavor (V5)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.34.2.14:2025-08-01
Description	<p>This section records the patient's chief complaint in the patient's own words and/or the reason for the patient's visit in the provider's words. This section is based on the C-CDA section Chief Complaint and Reason for Visit Section and further constrains the section by allowing a nullFlavor="NI". Use the nullFlavor NI for any condition where the respective information is not available (e.g. not supported by the EHR record, not asked, not answered, or not applicable for the current implementation).</p>	<p>This section records the patient's chief complaint in the patient's own words and/or the reason for the patient's visit in the provider's words. This section is based on the C-CDA section Chief Complaint and Reason for Visit Section and further constrains the section by allowing a nullFlavor="NI". Use the nullFlavor NI for any condition where the respective information is not available (e.g., not supported by the EHR record, not asked, not answered, or not applicable for the current implementation).</p> <p>When submitting data for the National Health Care Surveys, inclusion of coded problem data is recommended. This template includes the recommendation to use Patient's Reason for Visit Observation (V2) (optional SHOULD) to record a coded version of the same information.</p>
CONF #: 5564-29104 Added		MAY contain zero or one [0..1] @nullFlavor="NI" No Information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-29104).
CONF #: 5564-29105 Added		If nullFlavor is present, nullFlavor SHALL be 'NI' (CONF:5564-29105).
CONF #: 5564-33346 Added		SHOULD contain zero or one [0..1] entry (CONF:5564-33346).
CONF #: 5564-33347 Added		The entry, if present, SHALL contain exactly one [1..1] observation (CONF:5564-33347).
CONF #: 4447-29080 Removed	MAY contain zero or one [0..1] @nullFlavor="NI" No Information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:1260).	

Change	Old	New
CONF #: 4447-29081 Removed	If nullFlavor is present, nullFlavor SHALL be 'NI' (CONF:4447-29081).	
CONF #: 5564-1161 Modified	MAY contain zero or one [0..1] @extension="2016-07-01" (CONF:4447-1161).	MAY contain zero or one [0..1] @extension="2025-08-01" (CONF:5564-1161).

## 9.46 Discharge Medications Section (entries optional) (NHCS V4)

Discharge Medications Section (entries optional) (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.11:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Discharge Medications Section (entries optional) (V3)	Discharge Medications Section (entries optional) (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.11:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.11:2025-08-01
Description	This section contains the medications the patient is intended to take or stop after discharge. Current, active medications must be listed. The section may also include a patient's prescription history and indicate the source of the medication list.	The C-CDA template, Discharge Medications Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.  This section contains the medications the patient is intended to take or stop after discharge. Current, active medications must be listed. The section may also include a patient's prescription history and indicate the source of the medication list.
CONF #: 5564-32561 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32561).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32561).



## 9.47 Discharge Medications Section (entries required) (NHCS V4)

Discharge Medications Section (entries required) (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Discharge Medications Section (entries required) (V3)	Discharge Medications Section (entries required) (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.11.1:2025-08-01
Description	This section contains the medications the patient is intended to take or stop after discharge. Current, active medications must be listed. The section may also include a patient's prescription history and indicate the source of the medication list.	The C-CDA template, Discharge Medications Section (entries required) (V3), has been versioned in this guide to support USCDI-v3.  This section contains the medications the patient is intended to take or stop after discharge. Current, active medications must be listed. The section may also include a patient's prescription history and indicate the source of the medication list.
Implied Template	Discharge Medications Section (entries optional) (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.11:2015-08-01)	Discharge Medications Section (entries optional) (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.11:2025-08-01)
CONF #: 5564-33152 Added		If section/@nullFlavor is not present: SHALL contain at least one [1..*] entry (CONF:5564-33152) such that it
CONF #: 5564-33153 Added		SHALL contain exactly one [1..1] act (CONF:5564-33153).
CONF #: 5564-33154 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33154) such that it
CONF #: 5564-33155 Added		SHALL contain exactly one [1..1] code (CONF:5564-33155).
CONF #: 5564-33156 Added		This code SHALL contain exactly one [1..1] translation (CONF:5564-33156) such that it
CONF #: 5564-33157 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.2.11.1" (CONF:5564-33157).
CONF #: 5564-33158 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33158).
CONF #: 5564-33159 Added		This code SHALL contain exactly one [1..1] @code="10183-2"

Change	Old	New
		Hospital Discharge Medications (CONF:5564-33159).
CONF #: 5564-33160 Added		This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33160).
CONF #: 5564-33161 Added		SHALL contain exactly one [1..1] @code="75311-1" Discharge Medications (CONF:5564-33161).
CONF #: 5564-33162 Added		SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33162).
CONF #: 5564-33163 Added		SHALL contain exactly one [1..1] title (CONF:5564-33163).
CONF #: 5564-33164 Added		SHALL contain exactly one [1..1] text (CONF:5564-33164).
CONF #: 5564-33165 Added		MAY contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-33165).
CONF #: 1198-7826 Removed	If section/@nullFlavor is not present: SHALL contain at least one [1..*] entry (CONF:1198-7826) such that it	
CONF #: 1198-7822 Removed	SHALL contain exactly one [1..1] templateId (CONF:1198-7822) such that it	
CONF #: 1198-15361 Removed	SHALL contain exactly one [1..1] code (CONF:1198-15361).	
CONF #: 1198-15491 Removed	SHALL contain exactly one [1..1] act (CONF:1198-15491).	
CONF #: 1198-10397 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2.2.11.1" (CONF:1198-10397).	
CONF #: 1198-32562 Removed	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32562).	
CONF #: 1198-15362 Removed	This code SHALL contain exactly one [1..1] @code="10183-2" Hospital Discharge Medications (CONF:1198-15362).	
CONF #: 1198-32145 Removed	This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.	

Change	Old	New
	6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-32145).	
CONF #: 1198-7824 Removed	SHALL contain exactly one [1..1] title (CONF:1198-7824).	
CONF #: 1198-7825 Removed	SHALL contain exactly one [1..1] text (CONF:1198-7825).	
CONF #: 1198-32812 Removed	MAY contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:1198-32812).	
CONF #: 1198-32857 Removed	This code SHALL contain exactly one [1..1] translation (CONF:1198- 32857) such that it	
CONF #: 1198-32858 Removed	SHALL contain exactly one [1..1] @code="75311-1" Discharge Medications (CONF:1198-32858).	
CONF #: 1198-32859 Removed	SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883. 6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-32859).	

## 9.48 Emergency Department Encounters Section (V5)

### Emergency Department Encounters Section (V5)

(urn:hl7ii:2.16.840.1.113883.10.20.34.2.13:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Emergency Department Encounters Section (V4)	Emergency Department Encounters Section (V5)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.2.13:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.34.2.13:2025-08-01
Implied Template	Encounters Section (entries optional) (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2015-08-01)	Encounters Section (entries optional) (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01)
CONF #: 4447-1111 Removed	MAY contain zero or more [0..*] entry (CONF:4447-1111) such that it	
CONF #: 4447-1113 Removed	SHALL contain exactly one [1..1] encounter (CONF:4447-1113).	
CONF #: 4447-1112 Removed	MAY contain zero or more [0..*] entry (CONF:4447-1112) such that it	
CONF #: 4447-1114 Removed	SHALL contain exactly one [1..1] encounter (CONF:4447-1114).	
CONF #: 5564-1053 Modified	SHALL contain exactly one [1..1] @extension="2019-08-01" (CONF:4447-1053).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-1053).

## 9.49 Encounters Section (entries optional) (NHCS V4)

### Encounters Section (entries optional) (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Encounters Section (entries optional) (V3)	Encounters Section (entries optional) (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01
Description	<p>This section lists and describes any healthcare encounters pertinent to the patient's current health status or historical health history. An encounter is an interaction, regardless of the setting, between a patient and a practitioner who is vested with primary responsibility for diagnosing, evaluating, or treating the patient's condition. It may include visits, appointments, or non-face-to-face interactions. It is also a contact between a patient and a practitioner who has primary responsibility (exercising independent judgment) for assessing and treating the patient at a given contact. This section may contain all encounters for the time period being summarized, but should include notable encounters.</p>	<p>The C-CDA template, Encounters Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.</p> <p>This section lists and describes any healthcare encounters pertinent to the patient's current health status or historical health history. An encounter is an interaction, regardless of the setting, between a patient and a practitioner who is vested with primary responsibility for diagnosing, evaluating, or treating the patient's condition. It may include visits, appointments, or non-face-to-face interactions. It is also a contact between a patient and a practitioner who has primary responsibility (exercising independent judgment) for assessing and treating the patient at a given contact. This section may contain all encounters for the time period being summarized, but should include notable encounters.</p>
CONF #: 5564-32547 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32547).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32547).

## 9.50 Functional Status Section (NHCS V3)

### Functional Status Section (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Functional Status Section (V2)	Functional Status Section (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.2.14:2025-08-01
Description	The Functional Status Section contains observations and assessments of a patient's physical abilities. A patient's functional status may include information regarding the patient's ability to perform Activities of Daily Living (ADLs) in areas such as Mobility (e.g., ambulation), Self-Care (e.g., bathing, dressing, feeding, grooming) or Instrumental Activities of Daily Living (IADLs) (e.g., shopping, using a telephone, balancing a check book). Problems that impact function (e.g., dyspnea, dysphagia) can be contained in the section.	The C-CDA template, Functional Status Section (V2), has been versioned in this guide to support USCDI-v3.  The Functional Status Section contains observations and assessments of a patient's physical abilities. A patient's functional status may include information regarding the patient's ability to perform Activities of Daily Living (ADLs) in areas such as Mobility (e.g., ambulation), Self-Care (e.g., bathing, dressing, feeding, grooming) or Instrumental Activities of Daily Living (IADLs) (e.g., shopping, using a telephone, balancing a check book). Problems that impact function (e.g., dyspnea, dysphagia) can be contained in the section.
CONF #: 5564-32983 Added		MAY contain zero or more [0..*] entry (CONF:5564-32983) such that it
CONF #: 1098-32792 Removed	MAY contain zero or more [0..*] entry (CONF:1098-32792) such that it	
CONF #: 1098-14424 Removed	MAY contain zero or more [0..*] entry (CONF:1098-14424) such that it	
CONF #: 1098-14425 Removed	SHALL contain exactly one [1..1] observation (CONF:1098-14425).	
CONF #: 1098-14422 Removed	MAY contain zero or more [0..*] entry (CONF:1098-14422) such that it	
CONF #: 1098-14423 Removed	SHALL contain exactly one [1..1] observation (CONF:1098-14423).	
CONF #: 1098-16777 Removed	MAY contain zero or more [0..*] entry (CONF:1098-16777) such that it	

Change	Old	New
CONF #: 1098-16778 Removed	SHALL contain exactly one [1..1] observation (CONF:1098-16778).	
CONF #: 5564-32567 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32567).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32567).

## 9.51 Goals Section (NHCS V2)

Goals Section (NHCS V2) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Goals Section	Goals Section (NHCS V2)
Oid	urn:oid:2.16.840.1.113883.10.20.22.2.60	urn:hl7ii:2.16.840.1.113883.10.20.22.2.60:2025-08-01
Description	This template represents patient Goals. A goal is a defined outcome or condition to be achieved in the process of patient care. Goals include patient-defined over-arching goals (e.g., alleviation of health concerns, desired/intended positive outcomes from interventions, longevity, function, symptom management, comfort) and health concern-specific or intervention-specific goals to achieve desired outcomes.	The C-CDA template, Goals Section, has been versioned in this guide to support USCDI-v3.  This template represents patient Goals. A goal is a defined outcome or condition to be achieved in the process of patient care. Goals include patient-defined over-arching goals (e.g., alleviation of health concerns, desired/intended positive outcomes from interventions, longevity, function, symptom management, comfort) and health concern-specific or intervention-specific goals to achieve desired outcomes.
CONF #: 5564-33166 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33166) such that it
CONF #: 5564-33167 Added		SHALL contain exactly one [1..1] code (CONF:5564-33167).
CONF #: 5564-33168 Added		If section/@nullFlavor is not present: SHALL contain at least one [1..*] entry (CONF:5564-33168) such that it
CONF #: 5564-33169 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33169).
CONF #: 5564-33170 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.2.60" (CONF:5564-33170).
CONF #: 5564-33171 Added		This code SHALL contain exactly one [1..1] @code="61146-7" Goals (CONF:5564-33171).
CONF #: 5564-33172 Added		This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33172).
CONF #: 5564-33173 Added		SHALL contain exactly one [1..1] title (CONF:5564-33173).



Change	Old	New
CONF #: 5564-33174 Added		SHALL contain exactly one [1..1] text (CONF:5564-33174).
CONF #: 5564-33175 Added		MAY contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-33175).
CONF #: 5564-33231 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33231).
CONF #: 1098-29584 Removed	SHALL contain exactly one [1..1] templateId (CONF:1098-29584) such that it	
CONF #: 1098-29585 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.2.60" (CONF:1098-29585).	
CONF #: 1098-29586 Removed	SHALL contain exactly one [1..1] code (CONF:1098-29586).	
CONF #: 1098-29587 Removed	This code SHALL contain exactly one [1..1] @code="61146-7" Goals (CONF:1098-29587).	
CONF #: 1098-29588 Removed	This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-29588).	
CONF #: 1098-30719 Removed	If section/@nullFlavor is not present: SHALL contain at least one [1..*] entry (CONF:1098-30719) such that it	
CONF #: 1098-30720 Removed	SHALL contain exactly one [1..1] observation (CONF:1098-30720).	
CONF #: 1098-30721 Removed	SHALL contain exactly one [1..1] title (CONF:1098-30721).	
CONF #: 1098-30722 Removed	SHALL contain exactly one [1..1] text (CONF:1098-30722).	
CONF #: 1098-32819 Removed	MAY contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:1098-32819).	

## 9.52 Health Concerns Section (NHCS V3)

Health Concerns Section (NHCS V3) (<urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01>)

Change	Old	New
Status	Published	Draft
Name	Health Concerns Section (V2)	Health Concerns Section (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.58:2025-08-01
Description	<p>This section contains data describing an interest or worry about a health state or process that could possibly require attention, intervention, or management. A Health Concern is a health related matter that is of interest, importance or worry to someone, who may be the patient, patient's family or patient's health care provider. Health concerns are derived from a variety of sources within an EHR (such as Problem List, Family History, Social History, Social Worker Note, etc.). Health concerns can be medical, surgical, nursing, allied health or patient-reported concerns.</p> <p>Problem Concerns are a subset of Health Concerns that have risen to the level of importance that they typically would belong on a classic "Problem List", such as "Diabetes Mellitus" or "Family History of Melanoma" or "Tobacco abuse". These are of broad interest to multiple members of the care team. Examples of other Health Concerns that might not typically be considered a Problem Concern include "Risk of Hyperkalemia" for a patient taking an ACE-inhibitor medication, or "Transportation difficulties" for someone who doesn't drive and has trouble getting to appointments, or "Under-insured" for someone who doesn't have sufficient insurance to properly cover their medical needs such as medications. These are typically most important to just a limited number of care team members.</p>	<p>The C-CDA template, Health Concerns Section (V2), has been versioned in this guide to support USCDI-v3.</p> <p>This section contains data describing an interest or worry about a health state or process that could possibly require attention, intervention, or management. A Health Concern is a health related matter that is of interest, importance or worry to someone, who may be the patient, patient's family or patient's health care provider. Health concerns are derived from a variety of sources within an EHR (such as Problem List, Family History, Social History, Social Worker Note, etc.). Health concerns can be medical, surgical, nursing, allied health or patient-reported concerns.</p> <p>Problem Concerns are a subset of Health Concerns that have risen to the level of importance that they typically would belong on a classic "Problem List", such as "Diabetes Mellitus" or "Family History of Melanoma" or "Tobacco abuse". These are of broad interest to multiple members of the care team. Examples of other Health Concerns that might not typically be considered a Problem Concern include "Risk of Hyperkalemia" for a patient taking an ACE-inhibitor medication, or "Transportation difficulties" for someone who doesn't drive and has trouble getting to appointments, or "Under-insured" for someone who doesn't have sufficient insurance to</p>

Change	Old	New
		properly cover their medical needs such as medications. These are typically most important to just a limited number of care team members.
CONF #: 5564-32862 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32862).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32862).

### 9.53 Immunizations Section (entries optional) (NHCS V4)

Immunizations Section (entries optional) (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Immunizations Section (entries optional) (V3)	Immunizations Section (entries optional) (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2025-08-01
Description	The Immunizations Section defines a patient's current immunization status and pertinent immunization history. The primary use case for the Immunization Section is to enable communication of a patient's immunization status. The section should include current immunization status, and may contain the entire immunization history that is relevant to the period of time being summarized.	The C-CDA template, Immunizations Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.  The Immunizations Section defines a patient's current immunization status and pertinent immunization history. The primary use case for the Immunization Section is to enable communication of a patient's immunization status. The section should include current immunization status, and may contain the entire immunization history that is relevant to the period of time being summarized.
CONF #: 5564-32529 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32529).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32529).

## 9.54 Immunizations Section (entries required) (NHCS V4)

Immunizations Section (entries required) (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Immunizations Section (entries required) (V3)	Immunizations Section (entries required) (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.2.1:2025-08-01
Description	The Immunizations Section defines a patient's current immunization status and pertinent immunization history. The primary use case for the Immunization Section is to enable communication of a patient's immunization status. The section should include current immunization status, and may contain the entire immunization history that is relevant to the period of time being summarized.	The C-CDA template, Immunizations Section (entries required) (V3), has been versioned in this guide to support USCDI-v3.  The Immunizations Section defines a patient's current immunization status and pertinent immunization history. The primary use case for the Immunization Section is to enable communication of a patient's immunization status. The section should include current immunization status, and may contain the entire immunization history that is relevant to the period of time being summarized.
Implied Template	Immunizations Section (entries optional) (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2015-08-01)	Immunizations Section (entries optional) (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.2:2025-08-01)
CONF #: 5564-33364 Added		MAY contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-33364).
CONF #: 1198-32833 Removed	MAY contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:1198-32833).	
CONF #: 5564-32530 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32530).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32530).

## 9.55 Inpatient Encounters Section (V5)

Inpatient Encounters Section (V5) (urn:hl7ii:2.16.840.1.113883.10.20.34.2.12:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Inpatient Encounters Section (V4)	Inpatient Encounters Section (V5)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.2.12:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.34.2.12:2025-08-01
Implied Template	Encounters Section (entries optional) (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2015-08-01)	Encounters Section (entries optional) (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01)
CONF #: 4447-1064 Removed	SHOULD contain zero or more [0..*] entry (CONF:4447-1064) such that it	
CONF #: 4447-1065 Removed	SHALL contain exactly one [1..1] encounter (CONF:4447-1065).	
CONF #: 5564-1047 Modified	SHALL contain exactly one [1..1] @extension="2019-08-01" (CONF:4447-1047).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-1047).

## 9.56 Medical Equipment Section (NHCS V3)

### Medical Equipment Section (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Medical Equipment Section (V2)	Medical Equipment Section (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01
Description	<p>This section defines a patient's implanted and external health and medical devices and equipment. This section lists any pertinent durable medical equipment (DME) used to help maintain the patient's health status. All equipment relevant to the diagnosis, care, or treatment of a patient should be included.</p> <p>Devices applied to, or placed in, the patient are represented with the Procedure Activity Procedure (V2) template. Equipment supplied to the patient (e.g., pumps, inhalers, wheelchairs) is represented by the Non-Medicinal Supply Activity V2 template.</p> <p>These devices may be grouped together within a Medical Equipment Organizer. The organizer would probably not be used with devices applied in or on the patient but rather to organize a group of medical supplies the patient has been supplied with.</p>	<p>The C-CDA template, Medical Equipment Section (V2), has been versioned in this guide to support USCDI-v3.</p> <p>This section defines a patient's implanted and external health and medical devices and equipment. This section lists any pertinent durable medical equipment (DME) used to help maintain the patient's health status. All equipment relevant to the diagnosis, care, or treatment of a patient should be included.</p> <p>Devices applied to, or placed in, the patient are represented with the Procedure Activity Procedure (V2) template. Equipment supplied to the patient (e.g., pumps, inhalers, wheelchairs) is represented by the Non-Medicinal Supply Activity V2 template.</p> <p>These devices may be grouped together within a Medical Equipment Organizer. The organizer would probably not be used with devices applied in or on the patient but rather to organize a group of medical supplies the patient has been supplied with.</p>
CONF #: 5564-32523 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32523).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32523).

## 9.57 Medical Equipment Section (UDI) (V2)

### Medical Equipment Section (UDI) (V2)

(urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Medical Equipment Section (UDI)	Medical Equipment Section (UDI) (V2)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.34.2.15:2025-08-01
Implied Template	Medical Equipment Section (V2) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2014-06-09)	Medical Equipment Section (NHCS V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.23:2025-08-01)
CONF #: 5564-1321 Modified	SHALL contain exactly one [1..1] @extension="2019-08-01" (CONF:4447-1321).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-1321).

## 9.58 Medications Section (entries optional) (NHCS V3)

### Medications Section (entries optional) (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.1:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Medications Section (entries optional) (V2)	Medications Section (entries optional) (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.1:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.2.1:2025-08-01
Description	The Medications Section contains a patient's current medications and pertinent medication history. At a minimum, the currently active medications are listed. An entire medication history is an option. The section can describe a patient's prescription and dispense history and information about intended drug monitoring.	<p>The C-CDA template, Medications Section (entries optional) (V2), has been versioned in this guide to support USCDI-v3.</p> <p>The Medications Section contains a patient's current medications and pertinent medication history. At a minimum, the currently active medications are listed. An entire medication history is an option. The section can describe a patient's prescription and dispense history and information about intended drug monitoring.</p>
CONF #: 5564-32500 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32500).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32500).

## 9.59 Medications Section (entries required) (NHCS V3)

Medications Section (entries required) (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Medications Section (entries required) (V2)	Medications Section (entries required) (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.2.1.1:2025-08-01
Description	<p>The Medications Section contains a patient's current medications and pertinent medication history. At a minimum, the currently active medications are listed. An entire medication history is an option. The section can describe a patient's prescription and dispense history and information about intended drug monitoring.</p> <p>This section requires either an entry indicating the subject is not known to be on any medications or entries summarizing the subject's medications.</p>	<p>The C-CDA template, Medications Section (entries required) (V2), has been versioned in this guide to support USCDI-v3.</p> <p>The Medications Section contains a patient's current medications and pertinent medication history. At a minimum, the currently active medications are listed. An entire medication history is an option. The section can describe a patient's prescription and dispense history and information about intended drug monitoring.</p> <p>This section requires either an entry indicating the subject is not known to be on any medications or entries summarizing the subject's medications.</p>
Implied Template	Medications Section (entries optional) (V2) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.1:2014-06-09)	Medications Section (entries optional) (NHCS V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.1:2025-08-01)
CONF #: 5564-32499 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32499).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32499).



## 9.60 Mental Status Section (NHCS V3)

Mental Status Section (NHCS V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Mental Status Section (V2)	Mental Status Section (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.56:2025-08-01
Description	<p>The Mental Status Section contains observations and evaluations related to a patient's psychological and mental competency and deficits including, but not limited to any of the following types of information:</p> <ul style="list-style-type: none"> <li>• Appearance (e.g., unusual grooming, clothing or body modifications)</li> <li>• Attitude (e.g., cooperative, guarded, hostile)</li> <li>• Behavior/psychomotor (e.g., abnormal movements, eye contact, tics)</li> <li>• Mood and affect (e.g., anxious, angry, euphoric)</li> <li>• Speech and Language (e.g., pressured speech, perseveration)</li> <li>• Thought process (e.g., logic, coherence)</li> <li>• Thought content (e.g., delusions, phobias)</li> <li>• Perception (e.g., voices, hallucinations)</li> <li>• Cognition (e.g., memory, alertness/consciousness, attention, orientation) – which were included in Cognitive Status Observation in earlier publications of C-CDA.</li> <li>• Insight and judgment (e.g., understanding of condition, decision making)</li> </ul>	<p>The C-CDA template, Mental Status Section (V2), has been versioned in this guide to support USCDI-v3.</p> <p>The Mental Status Section contains observations and evaluations related to a patient's psychological and mental competency and deficits including, but not limited to any of the following types of information:</p> <ul style="list-style-type: none"> <li>• Appearance (e.g., unusual grooming, clothing or body modifications)</li> <li>• Attitude (e.g., cooperative, guarded, hostile)</li> <li>• Behavior/psychomotor (e.g., abnormal movements, eye contact, tics)</li> <li>• Mood and affect (e.g., anxious, angry, euphoric)</li> <li>• Speech and Language (e.g., pressured speech, perseveration)</li> <li>• Thought process (e.g., logic, coherence)</li> <li>• Thought content (e.g., delusions, phobias)</li> <li>• Perception (e.g., voices, hallucinations)</li> <li>• Cognition (e.g., memory, alertness/consciousness, attention, orientation) – which were included in Cognitive Status Observation in earlier publications of C-CDA.</li> <li>• Insight and judgment (e.g., understanding of condition, decision making)</li> </ul>
CONF #: 5564-32793 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32793).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32793).

## 9.61 NHCS Social History Section (V3)

NHCS Social History Section (V3) (urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Social History Section (NHCS) (V2:3.1)	NHCS Social History Section (V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2022-01-01.3.1	urn:hl7ii:2.16.840.1.113883.10.20.34.2.16:2025-08-01
Description	<p>This section contains social history data that influence a patient's physical, psychological, or emotional health (e.g., smoking status, pregnancy) as well as Birth Sex and Gender Identity. Demographic data, such as marital status, race, ethnicity, and religious affiliation, are captured in the header. This section is based on the C-CDA section Social History Section (V3) and further constrains that section by adding the C-CDA Birth Sex template and C-CDA Gender Identity template.</p>	<p>This section contains social history data that influence a patient's physical, psychological, or emotional health (e.g., smoking status, pregnancy) as well as Birth Sex. Demographic data, such as marital status, race, ethnicity, and religious affiliation, are captured in the header. This section is based on the C-CDA section Social History Section (V3) and further constrains that section by adding the C-CDA Birth Sex template.</p> <p>The Assessment Scale Observation in this section supports the USCDI-v3 data element, SDOH Assessment, which encompasses screenings that represent a structured evaluation of risk (e.g., PRAPARE, Hunger Vital Sign, AHC-HRSN screening tool) for any Social Determinants of Health domain such as food insecurity, housing instability, or transportation insecurity.</p>
Implied Template	Social History Section (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.17:2015-08-01)	Social History Section (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.17:2025-08-01)
CONF #: 5564-29092 Added		MAY contain zero or one [0..1] entry (CONF:5564-29092) such that it
CONF #: 5564-29093 Added		SHALL contain exactly one [1..1] observation (CONF:5564-29093).
CONF #: 5564-29094 Added		MAY contain zero or one [0..1] entry (CONF:5564-29094) such that it
CONF #: 5564-29095 Added		SHALL contain exactly one [1..1] observation (CONF:5564-29095).
CONF #: 5564-29096 Added		MAY contain zero or one [0..1] entry (CONF:5564-29096) such

Change	Old	New
		that it
CONF #: 5564-29097 Added		SHALL contain exactly one [1..1] observation (CONF:5564-29097).
CONF #: 5564-29098 Added		MAY contain zero or one [0..1] entry (CONF:5564-29098) such that it
CONF #: 5564-29099 Added		SHALL contain exactly one [1..1] observation (CONF:5564-29099).
CONF #: 5564-29102 Added		MAY contain zero or one [0..1] entry (CONF:5564-29102) such that it
CONF #: 5564-29103 Added		SHALL contain exactly one [1..1] observation (CONF:5564-29103).
CONF #: 5564-29107 Added		MAY contain zero or one [0..1] entry (CONF:5564-29107) such that it
CONF #: 5564-29108 Added		SHALL contain exactly one [1..1] observation (CONF:5564-29108).
CONF #: 5564-29109 Added		MAY contain zero or one [0..1] entry (CONF:5564-29109) such that it
CONF #: 5564-29110 Added		SHALL contain exactly one [1..1] observation (CONF:5564-29110).
CONF #: 4530-2295 Removed	MAY contain zero or one [0..1] entry (CONF:4530-2295) such that it	
CONF #: 4530-2296 Removed	SHALL contain exactly one [1..1] observation (CONF:4530-2296).	
CONF #: 5564-2292 Modified	SHALL contain exactly one [1..1] @extension="2022-01-01.3.1" (CONF:4530-2292).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-2292).

## 9.62 Outpatient Encounters Section (V6)

Outpatient Encounters Section (V6) (urn:hl7ii:2.16.840.1.113883.10.20.34.2.8:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Outpatient Encounters Section (V5)	Outpatient Encounters Section (V6)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.34.2.8:2019-08-01	urn:hl7ii:2.16.840.1.113883.10.20.34.2.8:2025-08-01
Implied Template	Encounters Section (entries optional) (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2015-08-01)	Encounters Section (entries optional) (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.22:2025-08-01)
CONF #: 5564-1048 Modified	SHALL contain exactly one [1..1] @extension="2019-08-01" (CONF:4447-1048).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-1048).

## 9.63 Payers Section (NHCS V4)

Payers Section (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Payers Section (V3)	Payers Section (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.18:2025-08-01
Description	<p>The Payers Section contains data on the patient's payers, whether "third party" insurance, self-pay, other payer or guarantor, or some combination of payers, and is used to define which entity is the responsible fiduciary for the financial aspects of a patient's care.</p> <p>Each unique instance of a payer and all the pertinent data needed to contact, bill to, and collect from that payer should be included. Authorization information that can be used to define pertinent referral, authorization tracking number, procedure, therapy, intervention, device, or similar authorizations for the patient or provider, or both should be included. At a minimum, the patient's pertinent current payment sources should be listed. The sources of payment are represented as a Coverage Activity, which identifies all of the insurance policies or government or other programs that cover some or all of the patient's healthcare expenses. The policies or programs are sequenced by preference. The Coverage Activity has a sequence number that represents the preference order. Each policy or program identifies the covered party with respect to the payer, so that the identifiers can be recorded.</p>	<p>The C-CDA template, Payers Section (V3), has been versioned in this guide to support USCDI-v3.</p> <p>The Payers Section contains data on the patient's payers, whether "third party" insurance, self-pay, other payer or guarantor, or some combination of payers, and is used to define which entity is the responsible fiduciary for the financial aspects of a patient's care.</p> <p>Each unique instance of a payer and all the pertinent data needed to contact, bill to, and collect from that payer should be included. Authorization information that can be used to define pertinent referral, authorization tracking number, procedure, therapy, intervention, device, or similar authorizations for the patient or provider, or both should be included. At a minimum, the patient's pertinent current payment sources should be listed. The sources of payment are represented as a Coverage Activity, which identifies all of the insurance policies or government or other programs that cover some or all of the patient's healthcare expenses. The policies or programs are sequenced by preference. The Coverage Activity has a sequence number that represents the preference order. Each policy or program identifies the covered party with respect to the payer, so that the identifiers can be recorded.</p>
CONF #: 5564-32597 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32597).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32597).

## 9.64 Plan of Treatment Section (NHCS V3)

### Plan of Treatment Section (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Plan of Treatment Section (V2)	Plan of Treatment Section (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.2.10:2025-08-01
Description	<p>This section, formerly known as "Plan of Care", contains data that define pending orders, interventions, encounters, services, and procedures for the patient. It is limited to prospective, unfulfilled, or incomplete orders and requests only. These are indicated by the @moodCode of the entries within this section. All active, incomplete, or pending orders, appointments, referrals, procedures, services, or any other pending event of clinical significance to the current care of the patient should be listed. Clinical reminders are placed here to provide prompts for disease prevention and management, patient safety, and healthcare quality improvements, including widely accepted performance measures.</p> <p>The plan may also indicate that patient education will be provided. When used in a document that includes a Goals Section, all the goals (whether narrative only, or structured Goal Observation entries) should be recorded in the Goals Section, rather than in the Plan of Treatment Section, to avoid confusion as to "which/whose goals should be in which section?" When used in a document that does not include a Goals Section, the Plan of Treatment section may also contain information about care team members' goals, including the patient's values, beliefs, preferences, care expectations, and overarching care goals. Values may include the importance of quality of life over longevity. These values are taken</p>	<p>The C-CDA template, Plan of Treatment Section (V2), has been versioned in this guide to support USCDI-v3.</p> <p>This section, formerly known as "Plan of Care", contains data that define pending orders, interventions, encounters, services, and procedures for the patient. It is limited to prospective, unfulfilled, or incomplete orders and requests only. These are indicated by the @moodCode of the entries within this section. All active, incomplete, or pending orders, appointments, referrals, procedures, services, or any other pending event of clinical significance to the current care of the patient should be listed. Clinical reminders are placed here to provide prompts for disease prevention and management, patient safety, and healthcare quality improvements, including widely accepted performance measures.</p> <p>The plan may also indicate that patient education will be provided. When used in a document that includes a Goals Section, all the goals (whether narrative only, or structured Goal Observation entries) should be recorded in the Goals Section, rather than in the Plan of Treatment Section, to avoid confusion as to "which/whose goals should be in which section?" When used in a document that does not include a Goals Section, the Plan of Treatment section may also contain information about care team members' goals, including the patient's values,</p>

Change	Old	New
	into account when prioritizing all problems and their treatments. Beliefs may include comfort with dying or the refusal of blood transfusions because of the patient's religious convictions. Preferences may include liquid medicines over tablets, or treatment via secure email instead of in person. Care expectations may range from being treated only by female clinicians, to expecting all calls to be returned within 24 hours. Overarching goals described in this section are not tied to a specific condition, problem, health concern, or intervention. Examples of overarching goals could be to minimize pain or dependence on others, or to walk a daughter down the aisle for her marriage.	beliefs, preferences, care expectations, and overarching care goals. Values may include the importance of quality of life over longevity. These values are taken into account when prioritizing all problems and their treatments. Beliefs may include comfort with dying or the refusal of blood transfusions because of the patient's religious convictions. Preferences may include liquid medicines over tablets, or treatment via secure email instead of in person. Care expectations may range from being treated only by female clinicians, to expecting all calls to be returned within 24 hours. Overarching goals described in this section are not tied to a specific condition, problem, health concern, or intervention. Examples of overarching goals could be to minimize pain or dependence on others, or to walk a daughter down the aisle for her marriage.
CONF #: 5564-33191 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33191) such that it
CONF #: 5564-33192 Added		SHALL contain exactly one [1..1] code (CONF:5564-33192).
CONF #: 5564-33193 Added		MAY contain zero or more [0..*] entry (CONF:5564-33193) such that it
CONF #: 5564-33194 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33194).
CONF #: 5564-33195 Added		MAY contain zero or more [0..*] entry (CONF:5564-33195) such that it
CONF #: 5564-33196 Added		SHALL contain exactly one [1..1] encounter (CONF:5564-33196).
CONF #: 5564-33197 Added		MAY contain zero or more [0..*] entry (CONF:5564-33197) such that it
CONF #: 5564-33198 Added		SHALL contain exactly one [1..1] act (CONF:5564-33198).
CONF #: 5564-33199 Added		MAY contain zero or more [0..*] entry (CONF:5564-33199) such that it
CONF #: 5564-33200 Added		SHALL contain exactly one [1..1] procedure (CONF:5564-33200).

Change	Old	New
CONF #: 5564-33201 Added		MAY contain zero or more [0..*] entry (CONF:5564-33201) such that it
CONF #: 5564-33202 Added		SHALL contain exactly one [1..1] substanceAdministration (CONF:5564-33202).
CONF #: 5564-33203 Added		MAY contain zero or more [0..*] entry (CONF:5564-33203) such that it
CONF #: 5564-33204 Added		SHALL contain exactly one [1..1] supply (CONF:5564-33204).
CONF #: 5564-33205 Added		MAY contain zero or more [0..*] entry (CONF:5564-33205) such that it
CONF #: 5564-33206 Added		SHALL contain exactly one [1..1] act (CONF:5564-33206).
CONF #: 5564-33207 Added		MAY contain zero or more [0..*] entry (CONF:5564-33207) such that it
CONF #: 5564-33208 Added		SHALL contain exactly one [1..1] act (CONF:5564-33208).
CONF #: 5564-33209 Added		MAY contain zero or more [0..*] entry (CONF:5564-33209) such that it
CONF #: 5564-33210 Added		SHALL contain exactly one [1..1] act (CONF:5564-33210).
CONF #: 5564-33211 Added		MAY contain zero or more [0..*] entry (CONF:5564-33211) such that it
CONF #: 5564-33212 Added		SHALL contain exactly one [1..1] substanceAdministration (CONF:5564-33212).
CONF #: 5564-33213 Added		MAY contain zero or more [0..*] entry (CONF:5564-33213) such that it
CONF #: 5564-33214 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33214).
CONF #: 5564-33215 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.2.10" (CONF:5564-33215).
CONF #: 5564-33216 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33216).
CONF #: 5564-33217 Added		This code SHALL contain exactly one [1..1] @code="18776-5" Plan of Treatment (CONF:5564-33217).
CONF #: 5564-33218 Added		This code SHALL contain exactly one [1..1]



Change	Old	New
		@codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33218).
CONF #: 5564-33219 Added		SHALL contain exactly one [1..1] title (CONF:5564-33219).
CONF #: 5564-33220 Added		SHALL contain exactly one [1..1] text (CONF:5564-33220).
CONF #: 5564-33348 Added		MAY contain zero or more [0..*] entry (CONF:5564-33348) such that it
CONF #: 5564-33349 Added		SHALL contain exactly one [1..1] substanceAdministration (CONF:5564-33349).
CONF #: 1098-7723 Removed	SHALL contain exactly one [1..1] templateId (CONF:1098-7723) such that it	
CONF #: 1098-10435 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2.2.10" (CONF:1098-10435).	
CONF #: 1098-14749 Removed	SHALL contain exactly one [1..1] code (CONF:1098-14749).	
CONF #: 1098-14750 Removed	This code SHALL contain exactly one [1..1] @code="18776-5" Plan of Treatment (CONF:1098-14750).	
CONF #: 1098-16986 Removed	SHALL contain exactly one [1..1] title (CONF:1098-16986).	
CONF #: 1098-7725 Removed	SHALL contain exactly one [1..1] text (CONF:1098-7725).	
CONF #: 1098-7726 Removed	MAY contain zero or more [0..*] entry (CONF:1098-7726) such that it	
CONF #: 1098-14751 Removed	SHALL contain exactly one [1..1] observation (CONF:1098-14751).	
CONF #: 1098-8805 Removed	MAY contain zero or more [0..*] entry (CONF:1098-8805) such that it	
CONF #: 1098-8807 Removed	MAY contain zero or more [0..*] entry (CONF:1098-8807) such that it	
CONF #: 1098-8809 Removed	MAY contain zero or more [0..*] entry (CONF:1098-8809) such that it	
CONF #: 1098-8811 Removed	MAY contain zero or more [0..*] entry (CONF:1098-8811) such that it	
CONF #: 1098-8813 Removed	MAY contain zero or more [0..*] entry (CONF:1098-8813) such that	

Change	Old	New
	it	
CONF #: 1098-14695 Removed	MAY contain zero or more [0..*] entry (CONF:1098-14695) such that it	
CONF #: 1098-31397 Removed	SHALL contain exactly one [1..1] act (CONF:1098-31397).	
CONF #: 1098-29621 Removed	MAY contain zero or more [0..*] entry (CONF:1098-29621) such that it	
CONF #: 1098-30472 Removed	SHALL contain exactly one [1..1] encounter (CONF:1098-30472).	
CONF #: 1098-30473 Removed	SHALL contain exactly one [1..1] act (CONF:1098-30473).	
CONF #: 1098-30474 Removed	SHALL contain exactly one [1..1] procedure (CONF:1098-30474).	
CONF #: 1098-30475 Removed	SHALL contain exactly one [1..1] substanceAdministration (CONF:1098-30475).	
CONF #: 1098-30476 Removed	SHALL contain exactly one [1..1] supply (CONF:1098-30476).	
CONF #: 1098-30813 Removed	This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-30813).	
CONF #: 1098-30868 Removed	SHALL contain exactly one [1..1] act (CONF:1098-30868).	
CONF #: 1098-31841 Removed	MAY contain zero or more [0..*] entry (CONF:1098-31841) such that it	
CONF #: 1098-31864 Removed	SHALL contain exactly one [1..1] act (CONF:1098-31864).	
CONF #: 1098-32353 Removed	MAY contain zero or more [0..*] entry (CONF:1098-32353) such that it	
CONF #: 1098-32354 Removed	SHALL contain exactly one [1..1] substanceAdministration (CONF:1098-32354).	
CONF #: 1098-32501 Removed	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32501).	
CONF #: 1098-32887 Removed	MAY contain zero or more [0..*] entry (CONF:1098-32887) such that it	
CONF #: 1098-32888 Removed	SHALL contain exactly one [1..1] observation (CONF:1098-32888).	

## 9.65 Problem Section (entries optional) (NHCS V4)

### Problem Section (entries optional) (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Problem Section (entries optional) (V3)	Problem Section (entries optional) (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2025-08-01
Description	This section lists and describes all relevant clinical problems at the time the document is generated. At a minimum, all pertinent current and historical problems should be listed. Overall health status may be represented in this section.	The C-CDA template, Problem Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.  This section lists and describes all relevant clinical problems at the time the document is generated. At a minimum, all pertinent current and historical problems should be listed. Overall health status may be represented in this section.
CONF #: 5564-32511 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32511).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32511).

## 9.66 Problem Section (entries required) (NHCS V4)

### Problem Section (entries required) (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Problem Section (entries required) (V3)	Problem Section (entries required) (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.5.1:2025-08-01
Description	This section lists and describes all relevant clinical problems at the time the document is generated. At a minimum, all pertinent current and historical problems should be listed. Overall health status may be represented in this section.	The C-CDA template, Problem Section (entries required) (V3), has been versioned in this guide to support USCDI-v3.  This section lists and describes all relevant clinical problems at the time the document is generated. At a minimum, all pertinent current and historical problems should be listed. Overall health status may be represented in this section.
Implied Template	Problem Section (entries optional) (V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2015-08-01)	Problem Section (entries optional) (NHCS V4) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.5:2025-08-01)
CONF #: 5564-33018 Added		If section/@nullFlavor is not present: SHALL contain at least one [1..*] entry (CONF:5564-33018) such that it
CONF #: 5564-33019 Added		SHALL contain exactly one [1..1] act (CONF:5564-33019).
CONF #: 5564-33020 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33020) such that it
CONF #: 5564-33021 Added		SHALL contain exactly one [1..1] code (CONF:5564-33021).
CONF #: 5564-33022 Added		MAY contain zero or one [0..1] entry (CONF:5564-33022) such that it
CONF #: 5564-33023 Added		SHALL contain exactly one [1..1] observation (CONF:5564-33023).
CONF #: 5564-33024 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.2.5.1" (CONF:5564-33024).
CONF #: 5564-33025 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33025).
CONF #: 5564-33026 Added		This code SHALL contain exactly

Change	Old	New
		one [1..1] @code="11450-4" Problem List (CONF:5564-33026).
CONF #: 5564-33027 Added		This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33027).
CONF #: 5564-33028 Added		SHALL contain exactly one [1..1] title (CONF:5564-33028).
CONF #: 5564-33029 Added		SHALL contain exactly one [1..1] text (CONF:5564-33029).
CONF #: 5564-33030 Added		MAY contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-33030).
CONF #: 1198-9183 Removed	If section/@nullFlavor is not present: SHALL contain at least one [1..*] entry (CONF:1198-9183) such that it	
CONF #: 1198-9179 Removed	SHALL contain exactly one [1..1] templateId (CONF:1198-9179) such that it	
CONF #: 1198-15409 Removed	SHALL contain exactly one [1..1] code (CONF:1198-15409).	
CONF #: 1198-30479 Removed	MAY contain zero or one [0..1] entry (CONF:1198-30479) such that it	
CONF #: 1198-15506 Removed	SHALL contain exactly one [1..1] act (CONF:1198-15506).	
CONF #: 1198-10441 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2.2.5.1" (CONF:1198-10441).	
CONF #: 1198-32510 Removed	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32510).	
CONF #: 1198-15410 Removed	This code SHALL contain exactly one [1..1] @code="11450-4" Problem List (CONF:1198-15410).	
CONF #: 1198-31142 Removed	This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-31142).	
CONF #: 1198-9181 Removed	SHALL contain exactly one [1..1] title (CONF:1198-9181).	

Change	Old	New
CONF #: 1198-9182 Removed	SHALL contain exactly one [1..1] text (CONF:1198-9182).	
CONF #: 1198-30480 Removed	SHALL contain exactly one [1..1] observation (CONF:1198-30480).	
CONF #: 1198-32864 Removed	MAY contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:1198-32864).	

## 9.67 Procedures Section (entries optional) (NHCS V3)

### Procedures Section (entries optional) (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.7:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Procedures Section (entries optional) (V2)	Procedures Section (entries optional) (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.7:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.2.7:2025-08-01
Description	<p>This section describes all interventional, surgical, diagnostic, or therapeutic procedures or treatments pertinent to the patient historically at the time the document is generated. The section should include notable procedures, but can contain all procedures for the period of time being summarized. The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM), therefore this section contains procedure templates represented with three RIM classes: Act, Observation, and Procedure. Procedure Activity Procedure (V2) is for procedures that alter the physical condition of a patient (e.g., splenectomy). Procedure Activity Observation (V2) is for procedures that result in new information about a patient but do not cause physical alteration (e.g., EEG). Procedure Activity Act (V2) is for all other types of procedures (e.g., dressing change).</p>	<p>The C-CDA template, Procedures Section (entries optional) (V2), has been versioned in this guide to support USCDI-v3.</p> <p>This section describes all interventional, surgical, diagnostic, or therapeutic procedures or treatments pertinent to the patient historically at the time the document is generated. The section should include notable procedures, but can contain all procedures for the period of time being summarized. The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM), therefore this section contains procedure templates represented with three RIM classes: Act, Observation, and Procedure. Procedure Activity Procedure (V2) is for procedures that alter the physical condition of a patient (e.g., splenectomy). Procedure Activity Observation (V2) is for procedures that result in new information about a patient but do not cause physical alteration (e.g., EEG). Procedure Activity Act (V2) is for all other types of procedures (e.g., dressing change).</p>
CONF #: 5564-32532 Modified	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32532).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32532).

## 9.68 Procedures Section (entries required) (NHCS V3)

### Procedures Section (entries required) (NHCS V3)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Procedures Section (entries required) (V2)	Procedures Section (entries required) (NHCS V3)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2014-06-09	urn:hl7ii:2.16.840.1.113883.10.20.22.2.7.1:2025-08-01
Description	<p>This section describes all interventional, surgical, diagnostic, or therapeutic procedures or treatments pertinent to the patient historically at the time the document is generated. The section should include notable procedures, but can contain all procedures for the period of time being summarized. The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM), therefore this section contains procedure templates represented with three RIM classes: Act, Observation, and Procedure. Procedure Activity Procedure (V2) is for procedures that alter the physical condition of a patient (e.g., splenectomy). Procedure Activity Observation (V2) is for procedures that result in new information about a patient but do not cause physical alteration (e.g., EEG). Procedure Activity Act (V2) is for all other types of procedures (e.g., dressing change).</p>	<p>The C-CDA template, Procedures Section (entries required) (V2), has been versioned in this guide to support USCDI-v3.</p> <p>This section describes all interventional, surgical, diagnostic, or therapeutic procedures or treatments pertinent to the patient historically at the time the document is generated. The section should include notable procedures, but can contain all procedures for the period of time being summarized. The common notion of "procedure" is broader than that specified by the HL7 Version 3 Reference Information Model (RIM), therefore this section contains procedure templates represented with three RIM classes: Act, Observation, and Procedure. Procedure Activity Procedure (V2) is for procedures that alter the physical condition of a patient (e.g., splenectomy). Procedure Activity Observation (V2) is for procedures that result in new information about a patient but do not cause physical alteration (e.g., EEG). Procedure Activity Act (V2) is for all other types of procedures (e.g., dressing change).</p>
Implied Template	Procedures Section (entries optional) (V2) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.7:2014-06-09)	Procedures Section (entries optional) (NHCS V3) (urn:hl7ii:2.16.840.1.113883.10.20.22.2.7:2025-08-01)
CONF #: 5564-32879 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-32879) such that it
CONF #: 5564-32880 Added		SHALL contain exactly one [1..1] code (CONF:5564-32880).



Change	Old	New
CONF #: 5564-32881 Added		If section/@nullFlavor is not present there *SHALL* be at least one entry conformant to Procedure Activity Act (V2) (templateId: 2.16.840.1.113883.10.20.22.4.12:2014-06-09) *OR* Procedure Activity Observation (V2) (templateId: 2.16.840.1.113883.10.20.22.4.13:2014-06-09) *OR* Procedure Activity Procedure (V2) (templateId: 2.16.840.1.113883.10.20.22.4.14:2014-06-09) SHALL contain at least one [1..*] entry (CONF:5564-32881) such that it
CONF #: 5564-32882 Added		MAY contain zero or one [0..1] procedure (CONF:5564-32882).
CONF #: 5564-32883 Added		MAY contain zero or one [0..1] act (CONF:5564-32883).
CONF #: 5564-32884 Added		MAY contain zero or one [0..1] observation (CONF:5564-32884).
CONF #: 5564-32885 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.2.7.1" (CONF:5564-32885).
CONF #: 5564-32886 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32886).
CONF #: 5564-32887 Added		This code SHALL contain exactly one [1..1] @code="47519-4" History of Procedures (CONF:5564-32887).
CONF #: 5564-32888 Added		This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-32888).
CONF #: 5564-32889 Added		SHALL contain exactly one [1..1] title (CONF:5564-32889).
CONF #: 5564-32890 Added		SHALL contain exactly one [1..1] text (CONF:5564-32890).
CONF #: 5564-32891 Added		MAY contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:5564-32891).
CONF #: 1098-7891 Removed	SHALL contain exactly one [1..1] templateId (CONF:1098-7891) such that it	
CONF #: 1098-10447 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2	

Change	Old	New
	2.2.7.1" (CONF:1098-10447).	
CONF #: 1098-15425 Removed	SHALL contain exactly one [1..1] code (CONF:1098-15425).	
CONF #: 1098-15426 Removed	This code SHALL contain exactly one [1..1] @code="47519-4" History of Procedures (CONF:1098-15426).	
CONF #: 1098-7893 Removed	SHALL contain exactly one [1..1] title (CONF:1098-7893).	
CONF #: 1098-7894 Removed	SHALL contain exactly one [1..1] text (CONF:1098-7894).	
CONF #: 1098-7895 Removed	If section/@nullFlavor is not present there *SHALL* be at least one entry conformant to Procedure Activity Act (V2) (templateId: 2.16.840.1.113883.10.20.22.4.12:2 014-06-09) *OR* Procedure Activity Observation (V2) (templateId: 2.16.840.1.113883.10.20.22.4.13:2 014-06-09) *OR* Procedure Activity Procedure (V2) (templateId: 2.16.840.1.113883.10.20.22.4.14:2 014-06-09) SHALL contain at least one [1..*] entry (CONF:1098-7895) such that it	
CONF #: 1098-15512 Removed	MAY contain zero or one [0..1] procedure (CONF:1098-15512).	
CONF #: 1098-31138 Removed	This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1098-31138).	
CONF #: 1098-32533 Removed	SHALL contain exactly one [1..1] @extension="2014-06-09" (CONF:1098-32533).	
CONF #: 1098-32876 Removed	MAY contain zero or one [0..1] @nullFlavor="NI" No information (CodeSystem: HL7NullFlavor urn:oid:2.16.840.1.113883.5.1008) (CONF:1098-32876).	
CONF #: 1098-32877 Removed	MAY contain zero or one [0..1] act (CONF:1098-32877).	
CONF #: 1098-32878 Removed	MAY contain zero or one [0..1] observation (CONF:1098-32878).	

## 9.69 Results Section (entries optional) (NHCS V4)

Results Section (entries optional) (NHCS V4)

(urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01)

Change	Old	New
Status	Published	Draft
Name	Results Section (entries optional) (V3)	Results Section (entries optional) (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.3:2025-08-01
Description	<p>This section contains the results of observations generated by laboratories, imaging and other procedures. The scope includes observations of hematology, chemistry, serology, virology, toxicology, microbiology, plain x-ray, ultrasound, CT, MRI, angiography, echocardiography, nuclear medicine, pathology, and procedure observations. This section often includes notable results such as abnormal values or relevant trends. It can contain all results for the period of time being documented.</p> <p>Laboratory results are typically generated by laboratories providing analytic services in areas such as chemistry, hematology, serology, histology, cytology, anatomic pathology, microbiology, and/or virology. These observations are based on analysis of specimens obtained from the patient and submitted to the laboratory.</p> <p>Imaging results are typically generated by a clinician reviewing the output of an imaging procedure, such as where a cardiologist reports the left ventricular ejection fraction based on the review of a cardiac echocardiogram.</p> <p>Procedure results are typically generated by a clinician to provide more granular information about component observations made during a procedure, such as where a gastroenterologist reports the size of a polyp observed during a</p>	<p>The C-CDA template, Results Section (entries optional) (V3), has been versioned in this guide to support USCDI-v3.</p> <p>This section contains the results of observations generated by laboratories, imaging and other procedures. The scope includes observations of hematology, chemistry, serology, virology, toxicology, microbiology, plain x-ray, ultrasound, CT, MRI, angiography, echocardiography, nuclear medicine, pathology, and procedure observations. This section often includes notable results such as abnormal values or relevant trends. It can contain all results for the period of time being documented.</p> <p>Laboratory results are typically generated by laboratories providing analytic services in areas such as chemistry, hematology, serology, histology, cytology, anatomic pathology, microbiology, and/or virology. These observations are based on analysis of specimens obtained from the patient and submitted to the laboratory.</p> <p>Imaging results are typically generated by a clinician reviewing the output of an imaging procedure, such as where a cardiologist reports the left ventricular ejection fraction based on the review of a cardiac echocardiogram.</p> <p>Procedure results are typically generated by a clinician to provide</p>

Change	Old	New
	colonoscopy.	more granular information about component observations made during a procedure, such as where a gastroenterologist reports the size of a polyp observed during a colonoscopy.
CONF #: 5564-33221 Added		SHOULD contain zero or more [0..*] entry (CONF:5564-33221) such that it
CONF #: 5564-33222 Added		SHALL contain exactly one [1..1] organizer (CONF:5564-33222).
CONF #: 5564-33223 Added		SHALL contain exactly one [1..1] templateId (CONF:5564-33223) such that it
CONF #: 5564-33224 Added		SHALL contain exactly one [1..1] code (CONF:5564-33224).
CONF #: 5564-33225 Added		SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2 2.2.3" (CONF:5564-33225).
CONF #: 5564-33226 Added		SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-33226).
CONF #: 5564-33227 Added		This code SHALL contain exactly one [1..1] @code="30954-2" Relevant diagnostic tests and/or laboratory data (CONF:5564-33227).
CONF #: 5564-33228 Added		This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:5564-33228).
CONF #: 5564-33229 Added		SHALL contain exactly one [1..1] title (CONF:5564-33229).
CONF #: 5564-33230 Added		SHALL contain exactly one [1..1] text (CONF:5564-33230).
CONF #: 1198-7119 Removed	SHOULD contain zero or more [0..*] entry (CONF:1198-7119) such that it	
CONF #: 1198-7116 Removed	SHALL contain exactly one [1..1] templateId (CONF:1198-7116) such that it	
CONF #: 1198-15431 Removed	SHALL contain exactly one [1..1] code (CONF:1198-15431).	
CONF #: 1198-15515 Removed	SHALL contain exactly one [1..1] organizer (CONF:1198-15515).	
CONF #: 1198-9136 Removed	SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.2	

Change	Old	New
	2.2.3" (CONF:1198-9136).	
CONF #: 1198-32591 Removed	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32591).	
CONF #: 1198-15432 Removed	This code SHALL contain exactly one [1..1] @code="30954-2" Relevant diagnostic tests and/or laboratory data (CONF:1198-15432).	
CONF #: 1198-31041 Removed	This code SHALL contain exactly one [1..1] @codeSystem="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:1198-31041).	
CONF #: 1198-8891 Removed	SHALL contain exactly one [1..1] title (CONF:1198-8891).	
CONF #: 1198-7118 Removed	SHALL contain exactly one [1..1] text (CONF:1198-7118).	

## 9.70 Social History Section (NHCS V4)

[Social History Section \(NHCS V4\) \(urn:hl7ii:2.16.840.1.113883.10.20.22.2.17:2025-08-01\)](#)

Change	Old	New
Status	Published	Draft
Name	Social History Section (V3)	Social History Section (NHCS V4)
Oid	urn:hl7ii:2.16.840.1.113883.10.20.22.2.17:2015-08-01	urn:hl7ii:2.16.840.1.113883.10.20.22.2.17:2025-08-01
Description	This section contains social history data that influence a patient's physical, psychological or emotional health (e.g., smoking status, pregnancy). Demographic data, such as marital status, race, ethnicity, and religious affiliation, is captured in the header.	The C-CDA template, Social History Section (V3), has been versioned in this guide to support USCDI-v3.  This section contains social history data that influence a patient's physical, psychological or emotional health (e.g., smoking status, pregnancy). Demographic data, such as marital status, race, ethnicity, and religious affiliation, is captured in the header.
CONF #: 5564-32494 Modified	SHALL contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32494).	SHALL contain exactly one [1..1] @extension="2025-08-01" (CONF:5564-32494).