



Canada Health Infoway

Patient Summary Working Group (PSWG)

Date: March 10, 2026

Agenda

- Welcome/Announcements
- Must Support and Obligations
- CA Baseline Removal
- Backlog Items
- Next Steps

Welcome/Announcements

- Projectathon took place Feb 23–26 and was a success.
- Thank you to all participants for your collaboration and effort.
- We value your feedback, as it helps us improve future events. Thank you for sharing your thoughts!



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Obligations

Agreed Obligation Rules

- **Producer**

- If MS 1..1 or MS 1..*

- SHALL:populate

- If MS 0..1 or MS 0..*

- SHALL:able-to-populate

- **Consumer**

- SHALL:no-error

PS-CA Patient Example

- Present current profile compared with Profile with Obligations

name	S Σ C 1..* HumanName
id	0..1 string
extension	C 0..* Extension
use	Σ ?! 0..1 code Binding
text	S Σ 0..1 string
family	S Σ 0..1 string
given	S Σ 0..* string
prefix	Σ 0..* string
suffix	Σ 0..* string
period	Σ 0..1 Period
telecom	Σ 0..* ContactPoint
id	0..1 string
extension	C 0..* Extension
system	S Σ C 0..1 code Binding
value	S Σ 0..1 string
use	S Σ ?! 0..1 code Binding
rank	Σ 0..1 positiveInt
period	Σ 0..1 Period
gender	S Σ 0..1 code Binding
birthDate	S Σ 1..1 date

telecom	Σ 0..*	ContactPoint	A contact detail for the individual
system	O Σ C	0..1 code	phone fax email pager url sms other Binding: ContactPointSystem (required): Telecommunications form for contact point.
value	O Σ	0..1 string	The actual contact point details
use	?! O Σ	0..1 code	home work temp old mobile - purpose of this contact point Binding: ContactPointUse (required): Use of contact point.
gender	O Σ	0..1 code	male female other unknown Binding: AdministrativeGender (required): The gender of a person used for administrative purposes.
birthDate	O Σ	1..1 date	The date of birth for the individual
deceased[x]	?! Σ	0..1	Indicates if the individual is deceased or not
deceasedBoolean		boolean	
deceasedDateTime		dateTime	

Obligations in Ca Core+

1. Where there is MS add
 - **SHALL populate-if-known for producer**
 - **SHALL no-error for consumer**
2. Where MS was removed from CA Core+ 1.0 → 1.1 and mapped to CACDI
 - **MAY populate-if-known for producer**
 - **SHALL no-error for consumer**
3. Where there is no MS – no Obligation

For all obligations, no data should be populated or processed in any way that conflicts with regional laws, regulations or policies. For additional context, see the Security and Privacy Considerations section of this implementation guide.



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CA Baseline Removal

Removing Dependency on CA Baseline

- Why?
 - CA Core+ is 'closer' to PS-CA;
 - CA Core+ has more recently been aligned with CACDI

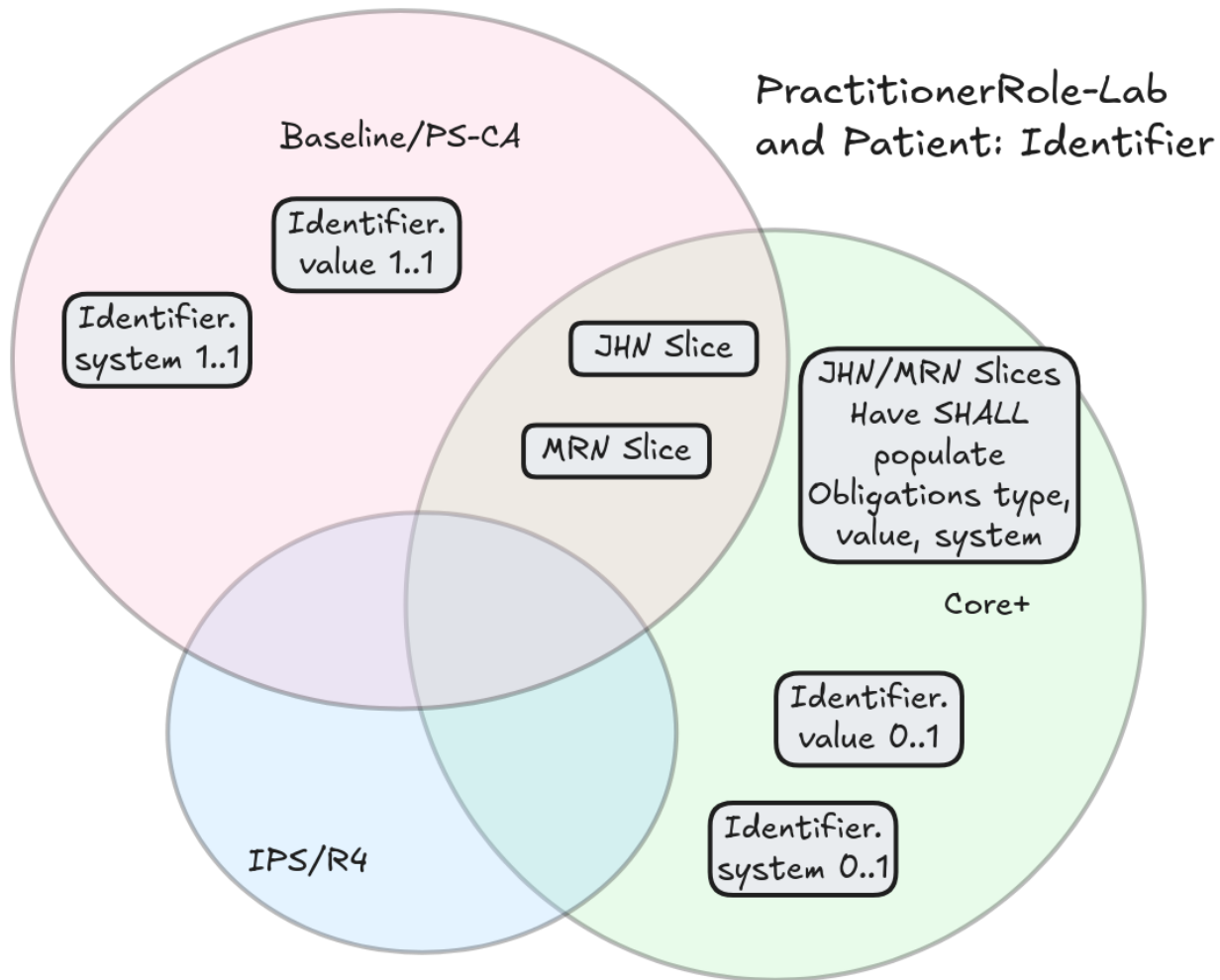
CA Baseline Used by PS-CA

- Composition.attester.party, custodian and author
 - Use Baseline organization, practitioner and practitionerRole
- Patient.identifier
 - Uses Baseline identifier
 - Uses JHN identifier version extension
- PractitionerRole Lab
 - Uses Baseline identifier

Identifier Comparison

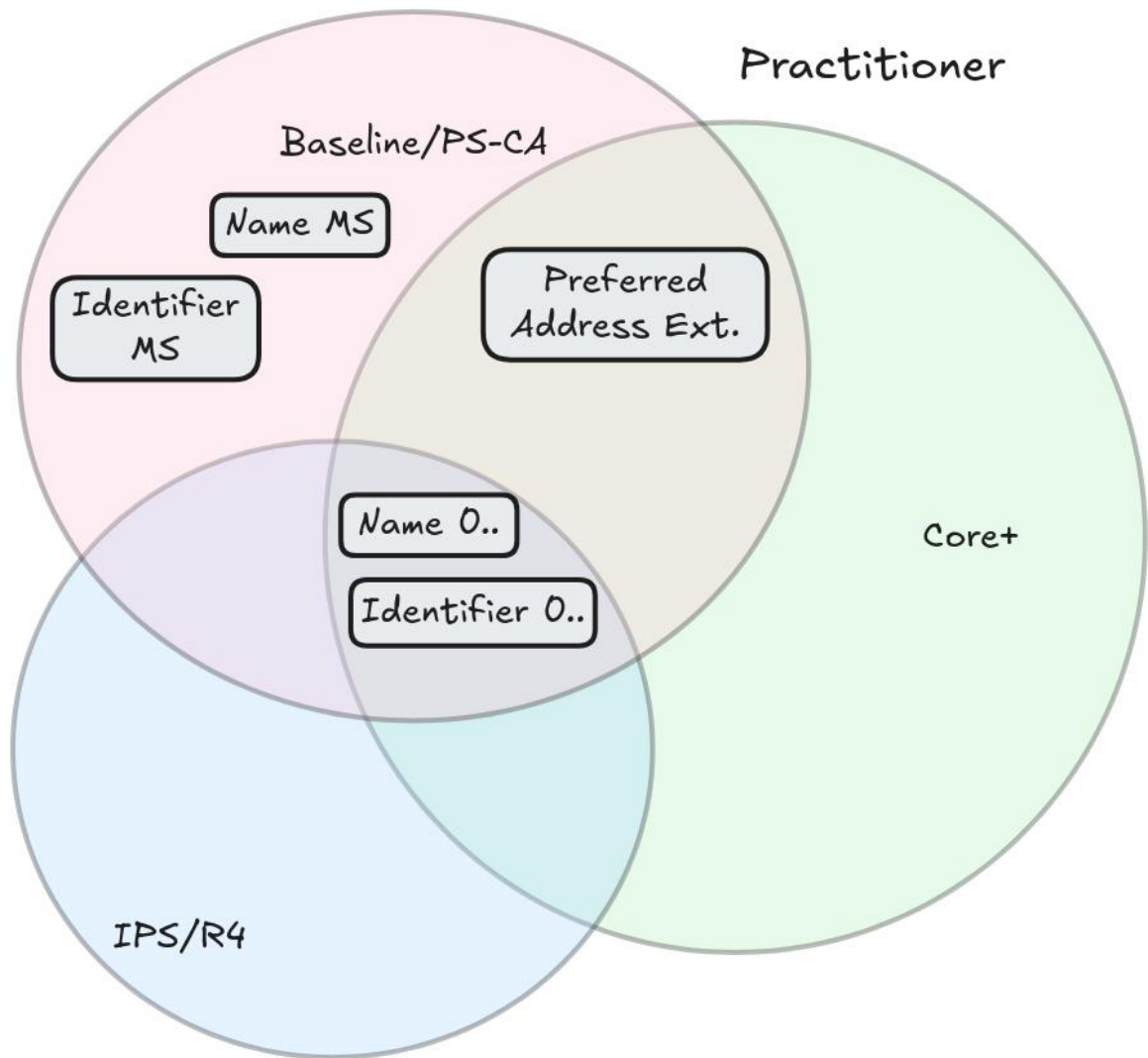
Patient - Could derive from CA Core+ given comfortable with Obligations on type, value and system.

PractitionerRole-Lab likely need our own profile or go to R4.



Practitioner Comparison

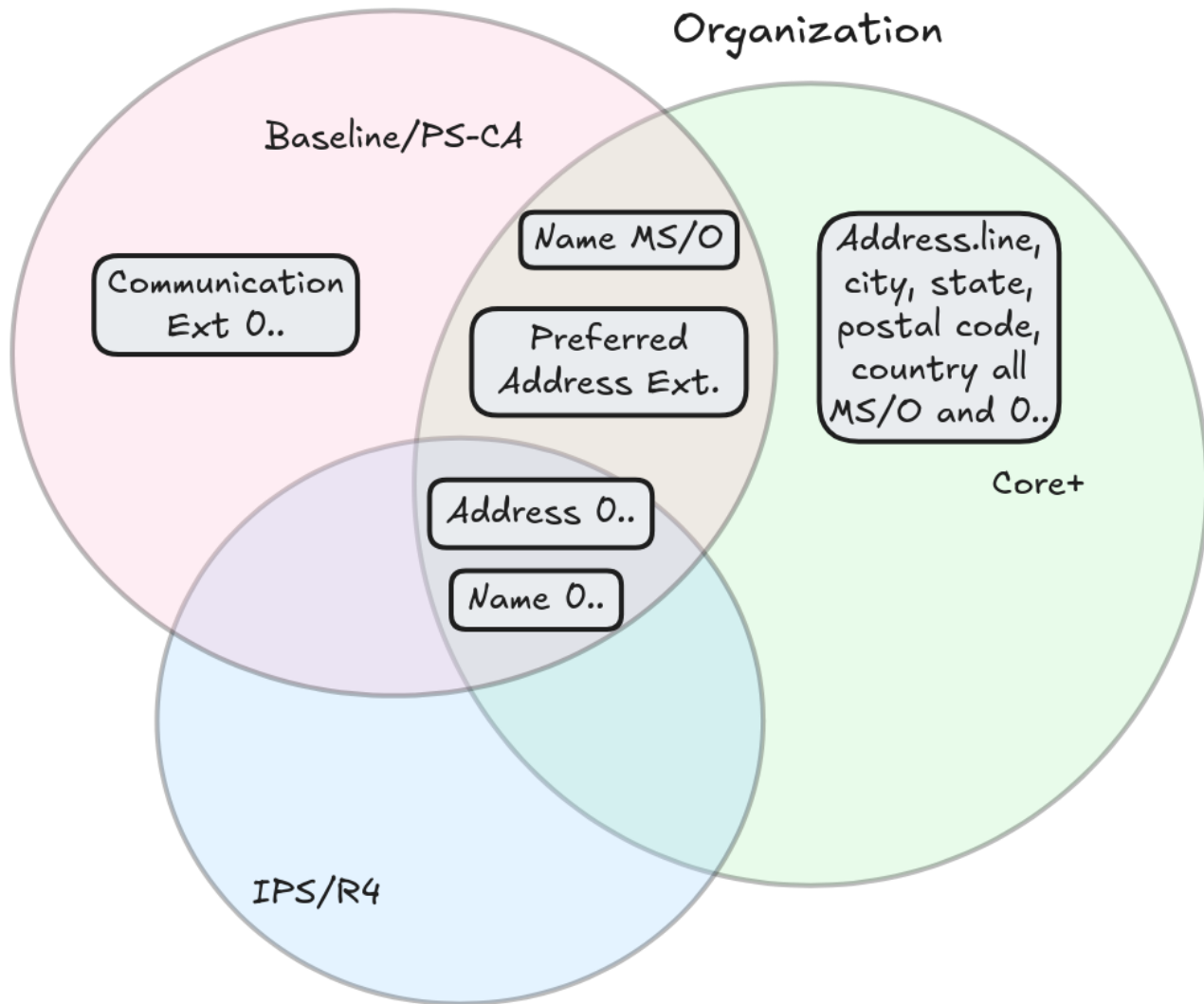
Could derive from CA Core+.



Organizaton Comparison

Could derive from Core+ given that Obligations on Address elements are acceptable.

Or adopt Core+ and decide to drop Communication Ext..

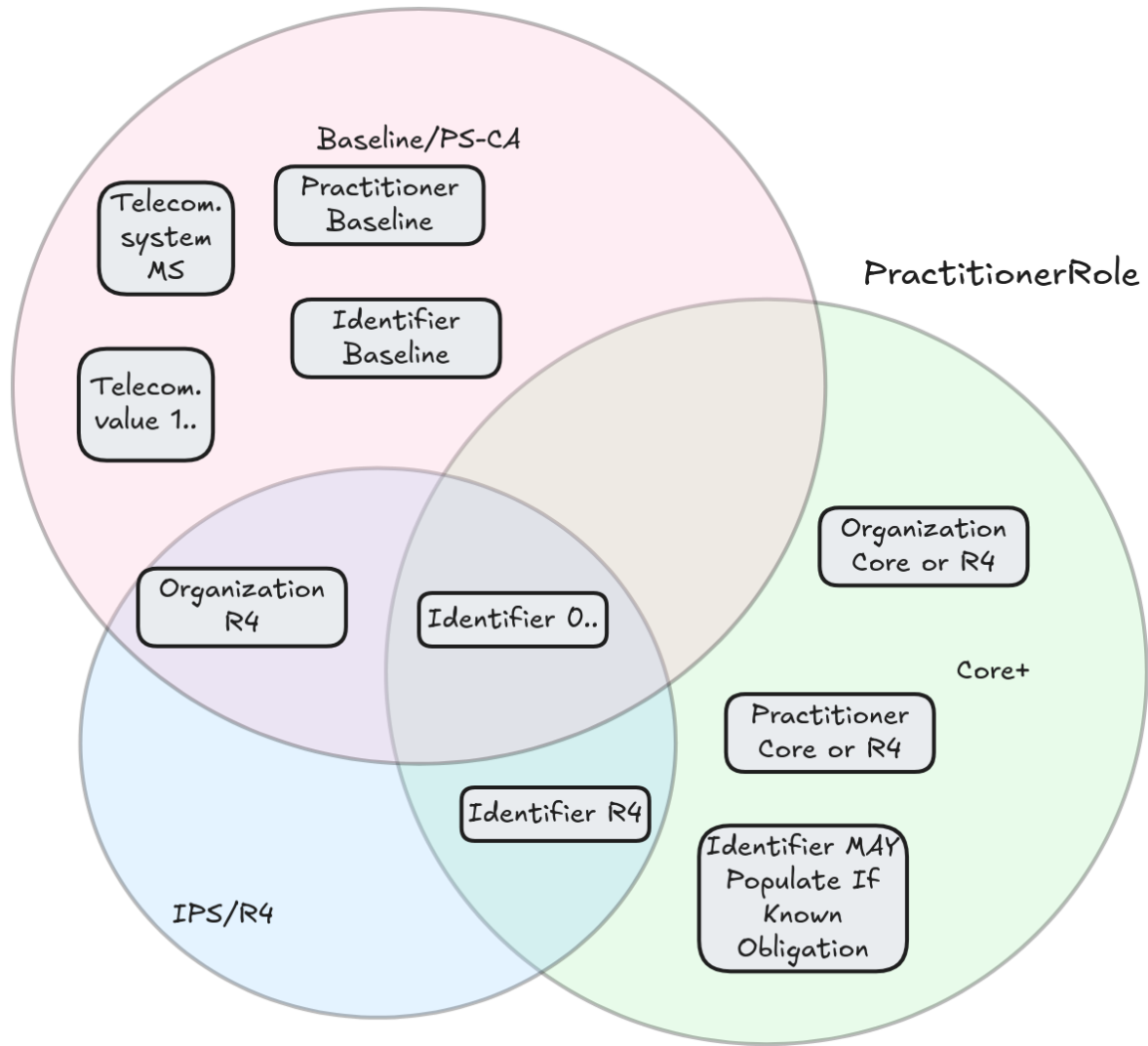


PractitionerRole Comparison

Could derive from Core+ and use new IdentifierPSCA and PractitionerPSCA profiles.

Core+ code binding is HealthcareProviderRoleCode (preferred) with additional HealthcareProviderRoleType

Core+ specialty binding is HealthcareProviderSpecialtyCode (preferred)





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Jira Tickets

DiagnosticReport.code Binding Strength ([PS-258](#))

- **Request:** Update DiagnosticReport.code Binding Strength to Preferred (pCLOCD)
- **Background:**
 - Currently an example binding to PCLOCD
 - CA Core+ is a preferred binding to PCLOCD
 - IPS and base FHIR preferred binding to LOINCDiagnosticReportCodes
- **Rationale:** not compliant to relax a preferred binding to an example in a profile
- **Recommendation:** Persuasive. Update binding strength to Preferred

- **Request:** Change MedicationRequest.intent to Must Support
- **Background:**
 - MedicationRequest.intent cardinality is 1..1
 - Not MS in CA Core+ or IPS
- **Rationale:**
 - Mandatory elements are not necessarily MS as they may be defaulted
- **Recommendation:** Not Persuasive; leave profile as is

Address Must Support (PS-58)

- **Request:** Make address Must support, while allowing for a not populated reason
- **Background:**
 - Earlier request to add MS was deferred to later align with CA Core+
 - CA Core+ 1.0 has MS on address, as well as line, city, postalCode and country
 - CA Core+ 1.1 applies Obligations to these elements
 - IPS is also MS on address
 - AB now had MS on address, as well as line, city, state, postalCode and country
- **Rationale:**
 - Add MS to align with IPS and CA Core+
- **Recommendation:** Persuasive; add MS to .address as well as line, city, postalCode and country

HealthcareProviderSpecialtyCode (PS-231)

- **Request:** Apply the CACDI recommended HealthcareProviderSpecialtyCode to PractitionerRole.specialty
- **Background:**
 - PS-CA currently uses the baseline PractitionerRole profile, with a preferred binding that does not resolve
 - CA Core+ now has a preferred binding to HealthcareProviderSpecialtyCode
 - Moving to CA Core+ for PractitionerRole will address this issue
- **Rationale:**
 - Align with CA Core+ and CACDI
- **Recommendation:** Persuasive with Mod; adopt the CA Core+ profile for PractitionerRole which will have the requested binding

MedicationRequest.reasonCode (PS-241)

- **Request:** Update MedicationRequest.reasonCode and MedicationStatement.reasonCode valueset bindings to align with CA Core+
- **Background:**
 - Last release updated the binding in PS-CA to
 - MedicationReasonCode (preferred)
 - And HealthConditionCode (candidate)
 - ⑩ CA Core+ also adds the PrescriptionIndicationForUse (candidate). (This subset was defined by the PrescribeIT project from the Canadian Clinical Drug Data Set)
- **Rationale:**
 - Align with CA Core+
- **Recommendation:** Persuasive with Mod; add a candidate binding for PrescriptionIndicationForUse (candidate) to align

- **Request:** Remove UCUM requirement from Medication.ingredient.strength
- **Background:**
 - Consider removing the RatioPSCA constraint from Medication.ingredient.strength, which requires UCUM units to always be present in both strength.numerator and strength.denominator.
 - The analogous constraint was removed from UV IPS 2.0: <https://jira.hl7.org/browse/FHIR-44765>
One reason for this is because UCUM intentionally does not include units like "tablet" or "capsule", which are commonly needed for the strength.denominator value for medications.
 - Note also that: compared to UV IPS, PS-CA has removed MS on ingredient and its sub-elements, but this UCUM requirement through the data type binding still remains
- **Rationale:**
 - Align with CA Core+ and IPS
- **Recommendation:** Persuasive with Mod; revert to the base FHIR datatype Ratio from the current RatioPSCA



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Questions and Discussions

Next Steps

- Next PSWG ([March 17, 2- 3pm ET](#))

Helpful Links

Pan-Canadian Specifications:

- **Access** Pan-Canadian specifications (e.g., PS-CA, CA Core+, HALO, etc.) on [InfoScribe](#)
 - <https://infoscribe.infoway-inforoute.ca/display/PCI/pan-Canadian+Interoperability+Specifications>

Working Groups:

- **Join** working groups via [InfoCentral](#). To view a list of all available working groups, navigate to InfoCentral | Communities | Working Groups
 - <https://infocentral.infoway-inforoute.ca/en/>

Projectathon Information:

- **Learn** about upcoming event information and prior event results on [InfoScribe](#)
 - <https://infoscribe.infoway-inforoute.ca/display/PCI/Connectathons%2C+Projectathons%2C+Prototyping%2C+and+Validation>



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Thank you!

Contact Information

VISIT OUR WEBSITE
infoway-inforoute.ca

VISIT OUR SURVEY WEBSITE
insights.infoway-inforoute.ca/

LET'S CONNECT ON LINKEDIN
linkedin.com/company/canada-health-infoway

LET'S CONNECT ON INSTAGRAM
[@infoway_inforoute](https://www.instagram.com/infoway_inforoute)

Current Must Support in PS-CA - Sender

- SHALL demonstrate that the system can produce a value for the Must Support element.
- SHALL ensure that the system can send/relay the data if available and appropriate (pertinent to the current clinical context or patient summary being generated).

Current Must Support in PS-CA – Receiver

- SHALL be capable of processing resource instances containing Must Support data elements without generating an error or causing the application to fail.
- SHOULD be capable of displaying Must Support data elements for human use, or processing (e.g., storing) them for other purposes.
- SHALL be able to process resource instances containing Must Support data elements asserting missing information.

Obligations

- When an element is labelled as "must-support", it SHALL also make clear exactly what kind of "support" is required
- Obligations give us a way to computably specify application behaviour expectations
 - Obligations are expressed using a conformance verb and a code for a given actor

Obligations cont'd

- Actors – who does the Obligation pertain to?
 - PS-CA Producer
 - PS-CA Consumer
- Conformance Verbs – how strict is the requirement?
 - SHALL, SHOULD, MAY, SHALL NOT, SHOULD NOT
- Code – what specifically is the expectation?
 - Obligation Codes

Example Obligation Codes

- **SHALL populate**
 - Conformant applications producing resources SHALL include this element if a value is known and allowed to be shared.
- **SHOULD be able to populate**
 - Conformant applications producing resources SHOULD be able to correctly populate this element.
- **SHALL populate if known**
 - Conformant applications producing resources SHALL correctly populate this element if they know a value for the element, but it is acceptable if the system is unable to ever know a value for the element.
- **SHALL explain**
 - Documentation applicable to Conformant applications SHALL explain how this element is handled.
- **SHOULD display**
 - Conformant applications SHOULD display the value of this element when presenting the data from the resource to a human user.
- **SHALL no-error**
 - Conformant applications SHALL accept resources containing any valid value for the element without error.
- **MAY ignore**
 - Conformant applications MAY not make any use of the value of this element if received.

Sample Obligation Definition – CA Core+ 1.1.0 DiagnosticReport

DiagnosticReportCACore (DiagnosticReport)

- identifier
- basedOn
- status
- category
- code
- subject**
 - reference
 - type
 - identifier
 - display
- encounter
- effective[x]
 - effectiveDateTime
 - effectivePeriod
- issued
- performer
- resultsInterpreter
- specimen
- result
- imagingStudy
- media
 - comment
 - link
- conclusion
- conclusionCode
- presentedForm

DiagnosticReport	DiagnosticReport
0..* Identifier	0..* Identifier
0..* Reference (CarePlan ImmunizationRecom...	0..* Reference (CarePlan ImmunizationRecom...
Σ 1..1 code [Binding]	Σ 1..1 code [Binding]
0..* CodeableConceptCACore	0..* CodeableConceptCACore
Σ 1..1 CodeableConceptCACore [Binding]	Σ 1..1 CodeableConceptCACore [Binding]
S O E 0..1 Reference (PatientCACore Group Devic...	S O E 0..1 Reference (PatientCACore Group Devic...
S O E 0..1 Reference (PatientCACore Group Devic...	S O E 0..1 Reference (PatientCACore Group Devic...
Σ 0..1 Identifier	Σ 0..1 Identifier
Σ 0..1 string	Σ 0..1 string
Σ 0..1 Reference (EncounterCACore)	Σ 0..1 Reference (EncounterCACore)
S O E 0..1	S O E 0..1
dateTime	dateTime
Period	Period
Σ 0..1 instant	Σ 0..1 instant
Σ 0..* Reference (PractitionerCACore Practition...	Σ 0..* Reference (PractitionerCACore Practition...
Σ 0..* Reference (PractitionerCACore Practition...	Σ 0..* Reference (PractitionerCACore Practition...
0..* Reference (Specimen)	0..* Reference (Specimen)
0..* Reference (Observation)	0..* Reference (Observation)
0..* Reference (ImagingStudy)	0..* Reference (ImagingStudy)
0..* BackboneElement	0..* BackboneElement
0..1 string	0..1 string
Σ 1..1 Reference (Media)	Σ 1..1 Reference (Media)
0..1 string	0..1 string
0..* CodeableConcept	0..* CodeableConcept
0..* Attachment	0..* Attachment

Element id

DiagnosticReport.subject

Short description
The subject of the report - usually, but not always, the patient

Alternate names
Patient

Definition
The subject of the report. Usually, but not always, this is a patient. However, diagnostic services also perform analyses on specimen

Requirements
SHALL know the subject context.

Data type
Reference (PatientCACore | Group | Device | LocationCACore)

Constraints

- ele-1: All FHIR elements must have a @value or children `hasValue() or (children().count() > id.count())`

Mappings

- workflow: Event.subject
- w5: FiveWs.subject[x]
- v2: PID-3 (no HL7 v2 mapping for Group or Device)
- rim: participation[typeCode=5BJ]
- w5: FiveWs.subject

Obligations	Code	Actor
SHALL:populate-if-known		http://fhir.inforoute.ca/ca-core/ActorDefinition/producer
SHALL:no-error		http://fhir.inforoute.ca/ca-core/ActorDefinition/consumer

Obligations in IPS

- Obligations may be different between the creator and consumer of an IPS document, and may also differ by profile and resource attributes. For all obligations, no data should be populated or processed in any way that conflicts with regional laws, regulations or policies.
- Realm-specific implementation guides may apply additional obligations and/or provide additional guidance on the definition of MustSupport. However, they SHOULD identify and document these differences.

IPS Actor Definitions

<u>Consumer (IPS)</u>	An IPS Consumer actor is a system that receives an IPS document and uses the content of this document.
<u>Creator (IPS)</u>	An IPS Creator actor is a system which produces/assembles/creates an IPS document.
<u>Server (IPS)</u>	An IPS Server is a FHIR server acting as an IPS Creator by providing conformant IPS documents in response to FHIR API requests.

Example of Obligations in IPS Procedure Profile

18.30.1.1 Formal Views of Profile Content

Description of Profiles, Differentials, Snapshots and how the different presentations work [↗](#).

Key Elements Table	Differential Table	Snapshot Table	Statistics/References	All								
Name	Flags	Card.	Type	Description & Constraints								
Procedure		0..*	Procedure	An action that is being or was performed on a patient dom-2: If the resource is contained in another resource, it SHALL NOT contain nested Resources dom-3: If the resource is contained in another resource, it SHALL be referred to from elsewhere in the resource or SHALL refer to the containing resource dom-4: If a resource is contained in another resource, it SHALL NOT have a meta.versionId or a meta.lastUpdated dom-5: If a resource is contained in another resource, it SHALL NOT have a security label dom-6: A resource should have narrative for robust management								
ImplicitRules	?! Σ	0..1	uri	A set of rules under which this content was created ele-1: All FHIR elements must have a @value or children								
modifierExtension	?!	0..*	Extension	Extensions that cannot be ignored ele-1: All FHIR elements must have a @value or children								
status	?! Σ	1..1	code	Must have either extensions or value[x], not both preparation in-progress not-done on-hold stopped completed entered-in-error unknown Binding: EventStatus (required): A code specifying the state of the procedure.								
code	SO Σ	1..1	CodeableConcept IPS	ele-1: All FHIR elements must have a @value or children Identification of the procedure Binding: Procedures - IPS (preferred): SNOMED CT procedure code set or a code for absent/unknown procedure ele-1: All FHIR elements must have a @value or children <table border="1"><thead><tr><th>Obligations</th><th>Actor</th></tr></thead><tbody><tr><td>SHALL:populate-if-known</td><td>Creator (IPS)</td></tr><tr><td>SHALL:handle</td><td>Consumer (IPS)</td></tr><tr><td>SHOULD:display</td><td>Consumer (IPS)</td></tr></tbody></table>	Obligations	Actor	SHALL:populate-if-known	Creator (IPS)	SHALL:handle	Consumer (IPS)	SHOULD:display	Consumer (IPS)
Obligations	Actor											
SHALL:populate-if-known	Creator (IPS)											
SHALL:handle	Consumer (IPS)											
SHOULD:display	Consumer (IPS)											



MustSupport flag and Obligation shown as red "SO"



Specific obligations of each actor (Creator/Consumer) detailed in table

Must Support Definition

- Must Support addresses requirements for application behaviour while cardinality specifies requirements for information in a resource instance.
- Labeling an element MustSupport means that implementations that produce or consume resources SHALL provide "support" for the element in some meaningful way.
- The flag itself does not specify what support means for a given context.