



eHealth Ontario
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STANDARDS - IDENTIFIER MANAGEMENT

eHealth Standards

Architecture and Standards

February 2019

Agenda

- Overview
- What are Object Identifiers (OIDs)?
- Anatomy of an OID
- What are Uniform Resource Identifiers (URIs)?
- Anatomy of an URI
- The Importance of OIDs/URIs
- OIDs/URIs Policy
- OID/URI Request Forms
- Customer Support - Contact eHealth Standards
- Appendixes

Overview

- The eHealth Standards Program of eHealth Ontario's Architecture and Standards Division is responsible for managing the creation, registration, maintenance and publication of object identifiers (OIDs) and uniform resource identifiers (URIs) for all internal projects (projects within eHealth Ontario) and external projects (projects outside of eHealth Ontario) that are either funded by eHealth Ontario or contributing data to or consuming data from an EHR created or maintained by eHealth Ontario (referred to as the provincial EHR).
- This purpose of the presentation is to:
 - Provide an overview of the definition and role of identifiers including Object Identifiers (OIDs) and Uniform Resource Identifiers (URIs) in the exchange, representation and use of the provincial EHR data
 - An orientation to the policy, process and services at eHealth Ontario to request and sustain OIDs and URIs for effective exchange, representation and use of the provincial EHR data
 - Answer questions you may have regarding OIDs and URIs
 - Improve the customer experience with OIDs and URIs in enabling the healthcare interoperability

WHAT IS AN OBJECT IDENTIFIER (OID)?

OID - Background

OID, an ISO standard, follow a hierarchical identification scheme designed to ensure that each identifier created is globally unique.

An OID is made up of numbers separated by a period. The numbers preceding a period represent the assigning authority for the numbers following the period.

What is an OID?

- OIDs are used to ensure global uniqueness in a variety of technical applications
 - E.g. unique identification of ISO Standards, countries, companies, templates, file formats, security certificates, communication protocols and encryption algorithms
 - Some OIDs must be registered globally such as common code system OIDs (e.g. LOINC[®], SNOMED CT[®]), or common public identifier OIDs (e.g. Ontario Health Card Number assigning authority)
- OIDs are a core part of the approach to unique identification in HL7 v3 and HL7 v2 for patients, providers, locations, organizations, orders & results
 - e.g. prescriptions, lab results, etc.
- OIDs are used in a variety of technical applications, not only HL7

Anatomy of an OID

OIDs are arranged based on a tree like structure which are comprised of the following:

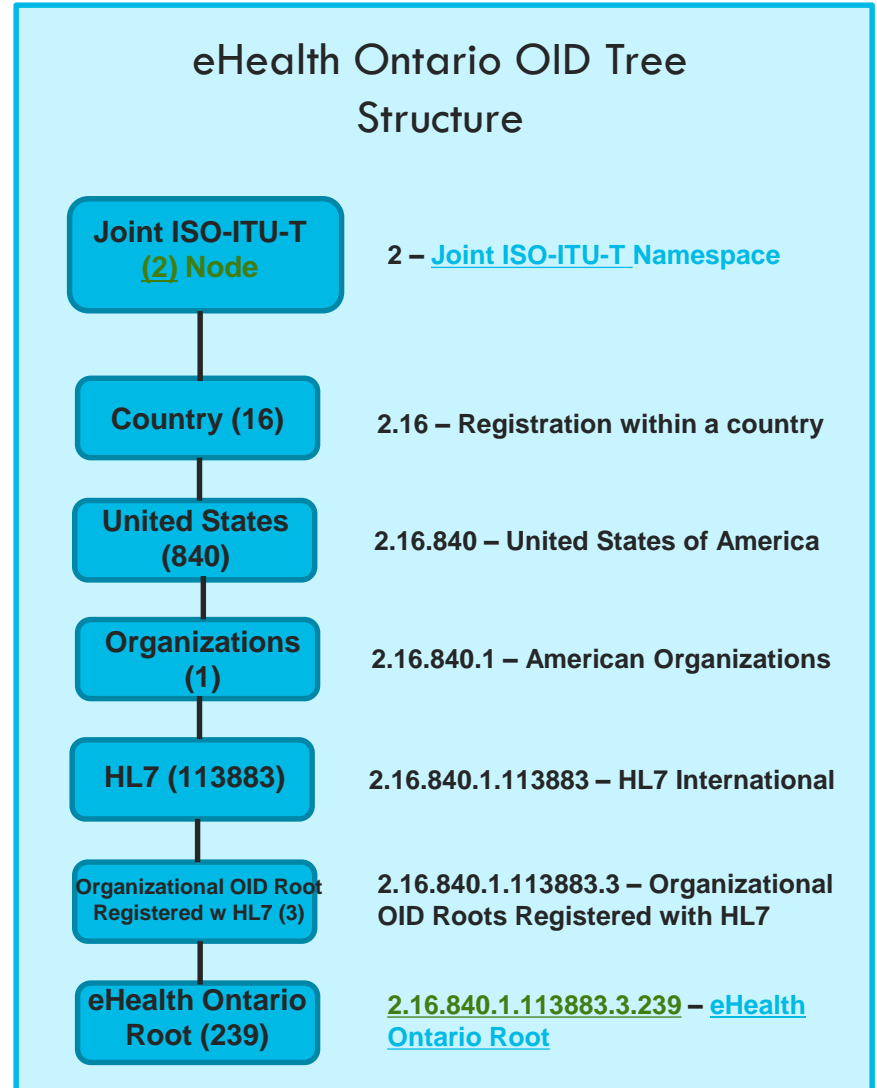
Nodes:

Is a sequence of digits that are numeric, linking branches of the OID Tree structure

Namespace:

Is the name of the variables within the OID Tree structure

Note: The hierarchy, in which an OID is situated, conveys no semantics about the meaning of an identifier



OIDs Management

- eHealth Ontario OID Root (by HL7): 2.16.840.1.113883.3.239
 - Under its root eHealth Ontario assigns OIDs to various assets including Provincial Provider Registry, Provincial Client Registry, acCDR, DICS, BORN, etc.
 - eHealth Ontario registers common public OIDs in the HL7 OID Registry through Canada Health Infoway.
- * ***Note: The hierarchy, in which an OID is situated, conveys no semantics about the meaning of an identifier.***



OID Examples

- To identify a hospital as an organization or a Health Information System (HIS):

2.16.840.1.113883.3.239.23.18 = Hospital for Sick Children (organization)

2.16.840.1.113883.3.239.23.222.10.1 = Markham Stouffville Hospital Meditech (HIS)

- To identify patient ID

ID	ID Assigning Authority	Meaning
12345	2.16.840.1.113883.3.239.18.142	Patient John Doe's MRN issued by St. Michael's Hospital
1234567890	2.16.840.1.113883.4.59	Patient John Doe's Ontario Health Card Number (HCN)

St. Michael's
Hospital Medical
Record Number
(MRN) OID

Ontario HCN OID

- To identify clinical codes or clinical document types

Code	Code System	Meaning
227146005	2.16.840.1.113883.3.239.23.478.10.3	Shellfish as defined in Niagara Health System's Allergen table
5	2.16.840.1.113883.3.239.23.117.12.1	Discharge Summary from Children's Hospital of Eastern Ontario

NHS's Allergen
code system OID

CHEO's local
document type
code system OID

Note: OIDs are used in a variety of technical applications, not only HL7

OIDs Used in Ontario's EHR

- Each EHR asset has its distinct OIDs requirement for implementation. The OIDs requirement may change as the EHR assets evolve.

The following table outlines the EHR assets that require OIDs to be assigned for each implementing organization.

EHR Implementation	OIDs Assigned for Implementing HSP Organization
ONE ID Certificate	System OID, System Node OID
acCCR Contribution (HL7 v2)	Organization OID, Facility OID, MRN OID, Visit Encounter OID, Sending System OID, Local Code System OID, Local Provider ID OID
ConnectingOntario Viewing	UAO OID (same as Organization OID if HSP also contributing), IDP OID, MRN OID (for patient context sharing), OLIS "OID"
DI CS Contribution (XDS/CDA)	Site OID, Accession Number OID, Provider ID OID, Local Procedure Code OID, MRN OID
PCR Contribution/Consumption (HL7 v3)	Definitional Source OID, MRN OID, EHR Repo OID
BORN Contribution (XDS/CDA)	Organization OID, Local Provider ID OID, Document Set ID OID, Document ID OID
OLIS Contribution (HL7 v2)	Organization ID Note: OLIS "OID" is a custom defined proprietary identifier which does not follow the standard structure of OID. Significant mapping exercise is required when integrating OLIS with other EHR assets such as PCR.

- EHR assets may also use other "predefined" non-HSP specific OIDs, such as Ontario health card number OID, regulatory college OIDs for provider licenses, common code system OIDs (e.g. SNOMED CT, LOINC, etc.).
- In order to support integration amongst EHR assets, mapping is required between OIDs and other identifiers, including OID to UPI (PPR generated) mapping, PCR source code to OID mapping, etc.

OIDS Rules (pan-Canadian)

Uniqueness

- All instance identifiers are required to be globally unique

Duplication

- Identifier re-use is prohibited - same combination of root & extension shall never been issued to a different object

Interpretation

- Systems shall never try to interpret semantics from the OIDs hierarchy

Code System Registration

- All common code systems OIDS must be registered with HL7

Code System Compliance

- Implementers should not use any common code system which have not been registered with HL7 and been assigned an OID

Vocabulary Practices

- Code system must follow good vocabulary practices, such as not re-issuing codes, deprecating rather than removing obsolete codes, etc.

WHAT IS A UNIFORM RESOURCE IDENTIFIER (URI)?

Uniform Resource Identifier(**URI**)

- A URI is a string of characters provides a simple and extensible means for identifying a resource.
- Such identification enables interaction with representations of the resource over a network, typically the World Wide Web(www).

URI Anatomy

The generic URI syntax consists of a hierarchical sequence of components referred to as the scheme, authority, and path

The scheme and path components are required, though the path may be empty (no characters).

When authority is present, the path must either be empty or begin with a slash ("/") character.

When authority is not present, the path cannot begin with two slash characters ("//").

The following are example URI and their component parts:

<https://fhir.infoway-inforoute.ca/NamingSystem/ca-on-patient-hcn>



Scheme

Authority

Path

For more details on URIs:

<https://tools.ietf.org/html/rfc3986#section-3>

Naming Convention for eHealth URIs

- A number of commonly used global public identifier URIs (e.g. jurisdictional health card number assigning authorities, regulatory colleges) have been created and maintained by Canada Health Infoway in the [Canadian URI Registry](#).
- FHIR URI guidelines: <https://simplifier.net/canadianuriregistry>
- Other URIs created as unique identifiers in HL7 FHIR for use in Ontario EHR, are assigned under the eHealth Ontario FHIR(*Fast Healthcare Interoperability Resources*) namespace.
- Examples:

URI Category	Naming Convention	Example
Global public identifier	https://fhir.infoway-inforoute.ca/NamingSystem/[domain-]identifier-name	https://fhir.infoway-inforoute.ca/NamingSystem/ca-on-patient-hcn
Local public identifiers	http://ehealthontario.ca/fhir/NamingSystem/[domain-]identifier-name	http://ehealthontario.ca/fhir/NamingSystem/id-university-health-network-mrn

Naming Convention for eHealth URIs – cont'ed

URI Category	Naming Convention	Example
Identifiers of FHIR profiles	http://ehealthontario.ca/fhir/StructureDefinition/[ca-on-][domain-]profile-[resource-name]	http://ehealthontario.ca/fhir/StructureDefinition/ca-on-lab-profile-DiagnosticReport
Identifiers of FHIR Extensions	http://ehealthontario.ca/fhir/StructureDefinition/[ca-on-][domain-]ext-[extension-name]	http://ehealthontario.ca/fhir/StructureDefinition/ext-id-health-card-version-code http://ehealthontario.ca/fhir/StructureDefinition/ca-on-lab-ext-trq-sort-key
Local Code Systems	http://ehealthontario.ca/fhir/CodeSystem/[domain-]codeSystem-name	http://ehealthontario.ca/fhir/CodeSystem/eConsult-Services
Local Value Sets	http://ehealthontario.ca/fhir/ValueSet/[domain-]valueSet-name	http://ehealthontario.ca/fhir/ValueSet/HumanLanguage

IMPORTANCE OF OID/URI

How Do I know When I need OIDS or URIs?

- **Any** application that contributes or consumes data from the Ontario EHR **needs** OIDs/URIs. (e.g HL7 V2, HL7 V3 or HL7 FHIR)



Importance of OIDs/URIs



OIDs

- The EHR uses OIDs (in HL7 v2/v3) for uniquely identifying entities, concepts and events in both the communication of data between **Point of Service** applications and in the data held in the EHR **Repositories** (e.g. Acute and Community CDR, Diagnostic Imaging Common Service).
- In the messaging, OIDs are used for:
 - identifying most objects and namespaces that require an Identifier (e.g. MRN, Health Card Number, Provider License Number, Visit Number)
 - universally identifying coding schemes (e.g. Diagnostic Code, Lab Test Code, Procedure Code, Country Code)
 - ensuring there is no conflict/collision between the local codes submitted from various HSPs, if the same values are used locally amongst HSPs

URIs

Similar to OIDs, the EHR uses URIs (in HL7 FHIR) for uniquely identifying common and local public identifiers(e.g. HCN, MRN etc..),code systems and value sets (e.g. Ontario Drug Classification) etc.. URIs are also used for uniquely identifying FHIR profiles and their extensions(e.g. HCN version code)

EHEALTH ONTARIO STANDARDS IDENTIFIER(OIDS/URIS) MANAGEMENT POLICY

Standards Identifier Management Policy

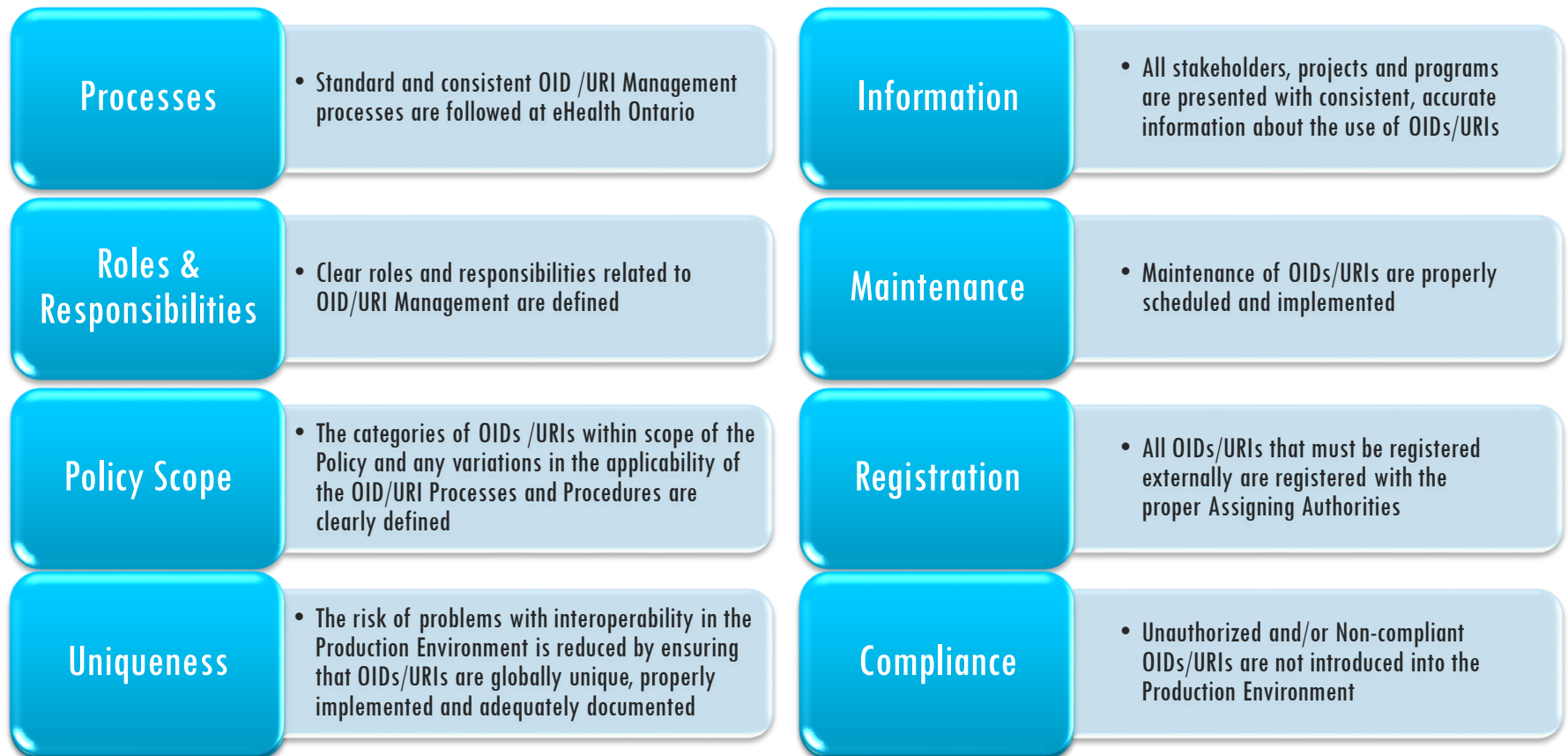
The Identifier Management Policy

- OID Management Policy v 1.2 approved by BARC on July 24, 2012
- In 2017 the policy has been renamed to Standards Identifier Management Policy and extended to cover the management of both OID and URI with additional rules and guidance. The revised Identifier Management Policy version 2.0 is under review and pending corporate approval.
- The Identifier Management Policy, along with the process, procedures and guidelines have been created to manage the creation, registration, maintenance & publication of OIDs and URIs for all internal/external of eHealth programs & projects
- Ensure all OIDs conform to International Standards Organization for Standardization (ISO) & International Telecommunication Union – Telecommunication Standardization Sector (ITU-T)
- Ensure all URIs(W3C) conform to RFC 3986, published in January 2005



Standards Identifier Management Policy Objectives

The objectives of the Identifier Management Policy are:



OID AND URI REQUEST PROCESS

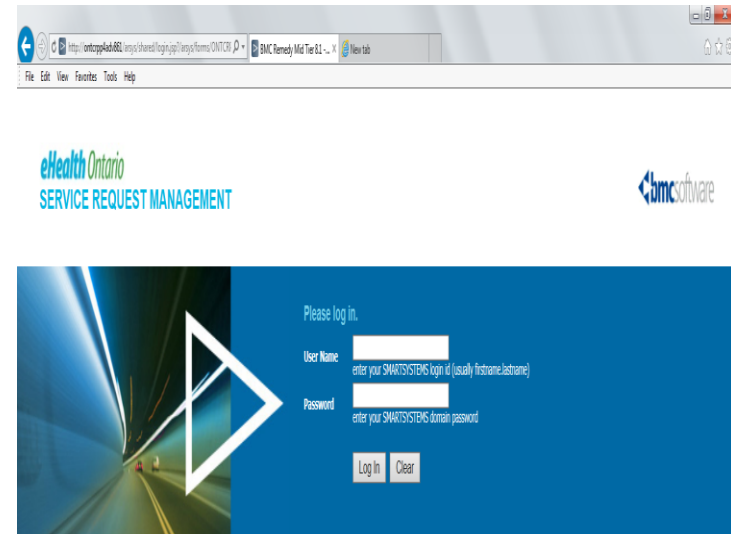
When to contact eHealth Standards to request for OID or URI?

- If your organization is responsible for developing/delivering an EHR solution, within or outside of eHealth Ontario, please discuss with the your counter part at eHealth Ontario regarding the identifier requirements for the EHR solution, and engage eHealth Standards team as appropriate.
- If your organization is a healthcare service provider organization (e.g. hospital, primary care clinic, pharmacy etc.), and is planning to contribute or consume an EHR asset (e.g. Acute and Community CDR, Provincial Client Registry, Provincial Provider Registry), please discuss with the designated eHealth Ontario Account Management team regarding the identifier requirements for your implementation, and engage eHealth Standards team as appropriate.
- For eHealth Ontario internal team, if you have any question regarding OID or URI, please contact eHealth Standards team via architecture@ehealthontario.on.ca.

Accessing eHealth OIDS/URIs Management Service :

- The eHealth Standards OIDS Management Services encompasses the following functions:
 - Responding to OIDs/URIs requests
 - Assignment of OIDs/URIs
 - Registration of OIDs/URIs
 - Publication of OIDs/URIs
- To submit OID/URI request via **Remedy SRM**, select '**Architecture Services**' then '**Identify Management**' and attach the request form.

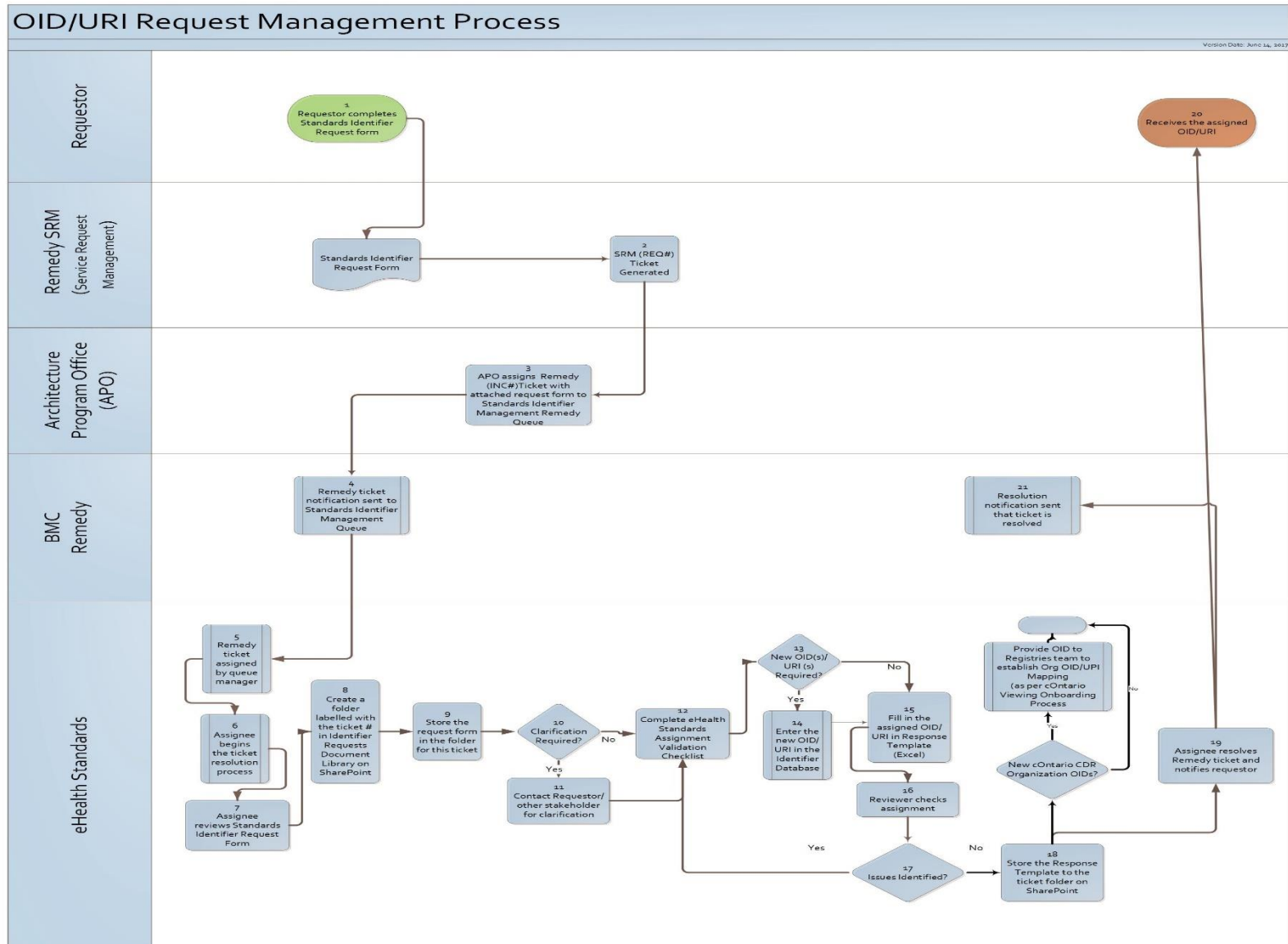
Architecture and Standards Support



Warning

- Flash player is not detected. Download and install flash player from <http://www.adobe.com/go/getflashplayer>

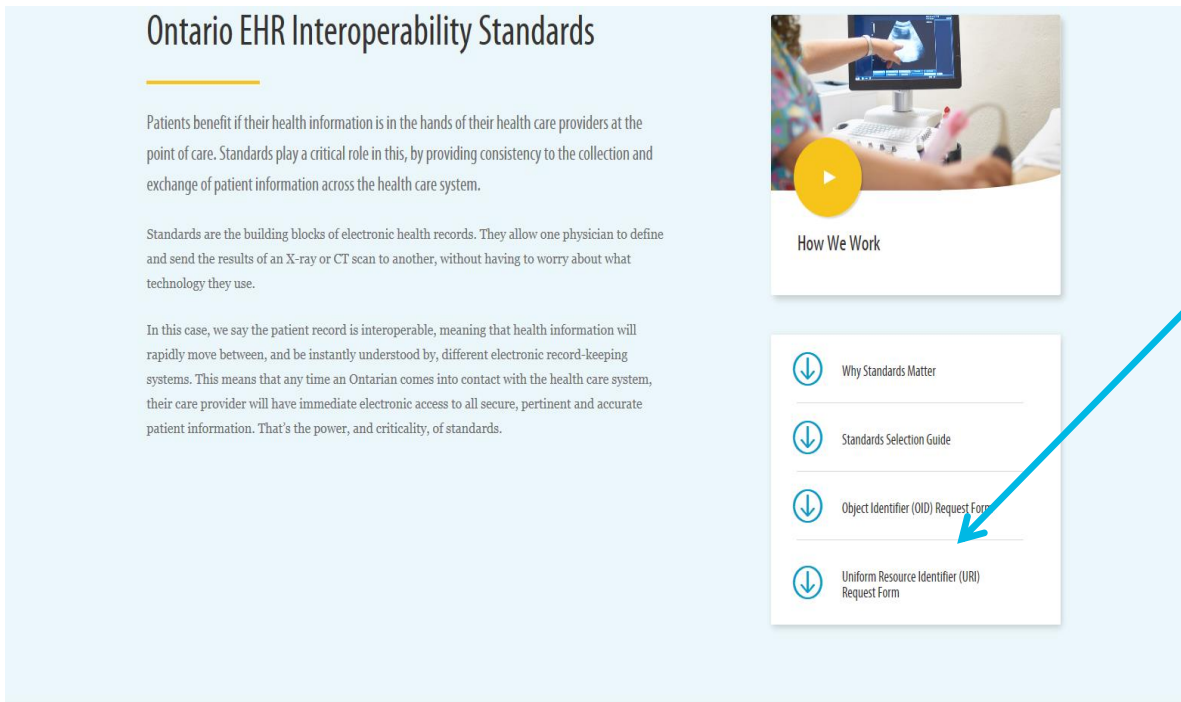
Standards Identifier Request Management -Process Flow



Contact Us

- To obtain and confirm information concerning the implementation of OIDs or URIs in any Ontario EHR projects, the eHealth Standards Program can be contacted at Email: architecture@ehealthontario.on.ca

Website: <http://ehealthontario.on.ca/en/architecture/standards>



The screenshot shows the 'Ontario EHR Interoperability Standards' page. It features a header with the title, followed by three paragraphs of text. To the right, there is a video player titled 'How We Work' and a vertical list of four menu items, each with a downward arrow icon. A blue arrow points from a callout bubble to the 'Object Identifier (OID) Request Form' menu item.

Ontario EHR Interoperability Standards

Patients benefit if their health information is in the hands of their health care providers at the point of care. Standards play a critical role in this, by providing consistency to the collection and exchange of patient information across the health care system.

Standards are the building blocks of electronic health records. They allow one physician to define and send the results of an X-ray or CT scan to another, without having to worry about what technology they use.

In this case, we say the patient record is interoperable, meaning that health information will rapidly move between, and be instantly understood by, different electronic record-keeping systems. This means that any time an Ontarian comes into contact with the health care system, their care provider will have immediate electronic access to all secure, pertinent and accurate patient information. That's the power, and criticality, of standards.

How We Work

- Why Standards Matter
- Standards Selection Guide
- Object Identifier (OID) Request Form
- Uniform Resource Identifier (URI) Request Form

Download
Identifiers
request
form

APPENDICES

Request Forms

■ OIDs request Form



Microsoft Word
Document

■ URIs request Form



Microsoft Word
Document

Download: : <http://ehealthontario.on.ca/en/architecture/standards>

Note: acCDR has separate OIDs request templates. Please contact Connecting.Ontario@ehealthontario.on.ca to initiate OID request for acCDR data contribution or access to the clinical viewers.

Screenshot of the request forms for OIDs

OID Identifier Request Form

This form will assist in the assignment of new Object Identifier(s) for your organization.

If you are requesting OID(s) for more than one health care organization (e.g. Hospital, Family Health Team, Independent Health Facility), please fill in one form for each requesting organization.

Section 1: Submitter/Contact Information (Mandatory)

First Name:	Enter First Name
Last Name:	Enter Last Name
Email:	Enter Email
Tel:	Enter Telephone
Organization of the submitter:	Submitter's Organization
Submitter Role/Job Title:	Submitter's Role or Title

Section 2: Background Information (Mandatory)

Project/Electronic Health Record (EHR) Asset for which the OIDs is requested: Example: eConsult implementation	Enter associated Project or EHR Asset
Reason for the request: Example: require OIDs for System Registry (ONE ID) Certificate; adding new contributing source to Provincial Client Registry (PCR)	Purpose of OID Request

Section 3: Organization Information (Mandatory)

Name of the health care organization for which the OIDs is requested:			
Affiliated LHIN:			
Building Address (number and street name):		Suite Number (if applicable):	
Building Name (for multi-building sites):		P.O. Box (if applicable):	
City/Towns:		Postal Code:	
Organization Type:			
<input type="checkbox"/> Ambulance Service <input type="checkbox"/> Aboriginal Health Access Centre <input type="checkbox"/> A centre, program or service for community health or mental health <input type="checkbox"/> Service provider under the Home Care and Community Services Act <input type="checkbox"/> Community Health Centre <input type="checkbox"/> Designated Psychiatric Facility under the Mental Health Act <input type="checkbox"/> Independent Health Facility <input type="checkbox"/> Oncology Centre	<input type="checkbox"/> Pharmacy <input type="checkbox"/> Public Hospital <input type="checkbox"/> Private Hospital <input type="checkbox"/> Public Health Unit <input type="checkbox"/> Retirement Home Licensed under the Retirement Homes Act, 2010 <input type="checkbox"/> Long-Term Care Home under the Long Term Care Homes Act, 2007 <input type="checkbox"/> Nurse Practitioner Led Clinic <input type="checkbox"/> Midwifery Practice/Clinic	<input type="checkbox"/> Family Health Team <input type="checkbox"/> Family Health Group <input type="checkbox"/> Family Health Organization <input type="checkbox"/> Family Health Network <input type="checkbox"/> Primary Care Network <input type="checkbox"/> Sole Physician or Physician Group Practice <input type="checkbox"/> Walk-in clinic <input type="checkbox"/> Other: specify details	

If there has been any change to the organization (e.g. name change, merger, split) in the last 8 years, please fill in the following information.	
Nature of the organization change:	<input type="checkbox"/> New Organization <input type="checkbox"/> Merger <input type="checkbox"/> Split <input type="checkbox"/> Name change <input type="checkbox"/> Other: specify details
Details pre-change Example: previous legal name, previous member sites, other information	Details of pre-changes
Details post-change Example: new legal name, new member sites, other information etc.)	Details of the post-changes

Section 4: OID Request Details (Mandatory)

Please check the type of OIDs you would like to request (check all that apply).

System Registry (ONE ID)	
This section outlines the OIDs required for eHealth Ontario ONE ID.	
Do you require a System OID? If yes provide name of the system.	<input type="checkbox"/> YES <input type="checkbox"/> NO Name of the system
Do you require a System Node OID? If Yes, please provide name of the System Node. If there is more than one System Node, provide name for all.	<input type="checkbox"/> YES <input type="checkbox"/> NO System Node Name

Provincial Client Registry (PCR)	
This section outlines the OIDs used in Ontario's PCR.	
Do you require an OID for Medical Record Number (MRN) Assigning Authority? This OID identifies the issuer of the patient's medical record number (MRN). If Yes provide the name of the MRN assigning authority.	<input type="checkbox"/> YES <input type="checkbox"/> NO Name of the MRN assigning authority
Does the organization share MRN Pool with another organization (HIC)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
If yes, Shared pool Organization Name(s):	Shared Pool Organization Name
Do you require a PCR Definitional Authority ID OID? This OID identifies the definitional source, the highest level of the contributing source identification of a PCR contribution feed. If Yes provide the name of the definitional source.	<input type="checkbox"/> YES <input type="checkbox"/> NO Name of the definitional source
Do you require an EHR Repository ID OID? This OID identifies the system instance of the PCR contributing source.	<input type="checkbox"/> YES <input type="checkbox"/> NO Name of the system instance for PCR contribution

Diagnostic Imaging Common Service (DICS)	
This section outlines the OIDs used in Ontario's DICS.	
Do you require a DI Accession Number OID? This OID identifies the local Radiological Information System which issues the Accession Number as the unique identifier of the diagnostic imaging test being performed for a patient.	<input type="checkbox"/> YES <input type="checkbox"/> NO
Do you require a DI Procedure Code System OID?	<input type="checkbox"/> YES <input type="checkbox"/> NO

This OID identifies the local Radiological Information System sending the diagnostic imaging procedure codes for a local facility.	
Do you require a site OID for the contributing site? If Yes please specify the name of the contributing site(s) for which the Site OIDs will be assigned to.	<input type="checkbox"/> YES <input type="checkbox"/> NO Name of the contributing site(s)
Do you require a Local Provider ID Assigning Authority OID? This OID identifies the entity which issues the provider's local credential (e.g. provider's HIS mnemonic) to be used in their local clinical systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO
If this is for a multi-site organization, is the same Local Provider ID shared across all sites?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Not applicable – single site
If yes provide name of all sites:	Details of multi-sites
Is the same Local Provider ID shared with any other organization (HIC)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
If yes provide the name(s) of the shared organization(s):	Specify details

ConnectingOntario CDR
Please contact the eHealth Ontario Account Management team for your region for further instruction.

Primary Care Electronic Medical Record (EMR)	
This section outlines the primary care EMR OIDs used in their EHR implementation using XDS/CDA based standard (e.g. contribution to BORN, Primary Care CDR).	
Do you require an Author Institution OID? This OID identifies the authoring organization of the clinical documents to be contributed to EHR. If Yes provide the name of the author institution.	<input type="checkbox"/> YES <input type="checkbox"/> NO Name of the Author Institution
Do you require a XDS DocumentSubmission Set OID? This OID identifies the Document Set ID assigning authority of the clinical documents to be contributed to EHR.	<input type="checkbox"/> YES <input type="checkbox"/> NO
Do you require a XDS DocumentEntry OID? This OID identifies the document ID assigning authority of the clinical documents to be contributed to EHR.	<input type="checkbox"/> YES <input type="checkbox"/> NO
Do you require an EMR Patient ID Assigning Authority OID? This OID identifies the assigning authority of the local Patient ID (e.g. chart number) generated by the EMR.	<input type="checkbox"/> YES <input type="checkbox"/> NO

Provincial Provider License Assigning Authority OID	
This OID identifies the entity (typically a regulatory college) which issues the provincial licenses for the providers within their jurisdiction, e.g. College of Physicians and Surgeons of Ontario.	
What type of provincial provider license assigning authority OID do you require?	Provider License Details

Code System OID	
Common public code systems include all code systems intended for use where the organization responsible for the creation and maintenance of the code system is not always either the creator/sender or consumer/receiver of the data instance. Public Examples: LOINC, SNOMED, Health Canada DNs	
Local code systems are those that are only used in communication by or with the organization responsible for creating that code system. Local Examples: internal lab test codes, internal location codes, etc.	

Screenshot of the request forms for URIs

Uniform Resource Identifier (URI) Request Form

This form will assist in the assignment of new URI(s) for your organization.

If you are requesting URI(s) for more than one health care organization (e.g. Hospital, Family Health Team, Independent Health Facility), please fill in one form for each requesting organization.

Section 1: Submitter/Contact Information (Mandatory)

First Name:	Enter First Name
Last Name:	Enter Last Name
Email:	Enter Email
Tel:	Enter Telephone
Organization of the submitter:	Submitter's Organization
Submitter Role/Job Title:	Submitter's Role or Title

Section 2: Background Information (Mandatory)

Project /Electronic Health Record (EHR) Asset for which the URI(s) is requested: Example: eConsult implementation	Enter associated Project or EHR Asset
Reason for the request: Example: adding new contributing source to Provincial Client Registry (PCR)	Purpose of URI Request

Section 3: Organization Information (Mandatory)

Name of the health care organization for which the URI(s) is requested:			
Affiliated LHIN:			
Building Address (number and street name):		Suite Number (if applicable):	
Building Name (for multi-building sites):		P.O. Box (if applicable):	
City/Towns:		Postal Code:	
Organization Type:			
<input type="checkbox"/> Ambulance Service <input type="checkbox"/> Aboriginal Health Access Centre <input type="checkbox"/> A centre, program or service for community health or mental health <input type="checkbox"/> Service provider under the Home Care and Community Services Act <input type="checkbox"/> Community Health Centre <input type="checkbox"/> Designated Psychiatric Facility under the Mental Health Act <input type="checkbox"/> Independent Health Facility <input type="checkbox"/> Oncology Centre		<input type="checkbox"/> Pharmacy <input type="checkbox"/> Public Hospital <input type="checkbox"/> Private Hospital <input type="checkbox"/> Public Health Unit <input type="checkbox"/> Retirement Home licensed under the Retirement Homes Act, 2010 <input type="checkbox"/> Long-Term Care Home under the Long Term Care Homes Act, 2007 <input type="checkbox"/> Nurse Practitioner Led Clinic <input type="checkbox"/> Midwifery Practice/Clinic	
		<input type="checkbox"/> Family Health Team <input type="checkbox"/> Family Health Group <input type="checkbox"/> Family Health Organization <input type="checkbox"/> Family Health Network <input type="checkbox"/> Primary Care Network <input type="checkbox"/> Sole Physician or Physician Group Practice <input type="checkbox"/> Walk-in clinic <input type="checkbox"/> Other: specify details	

If there has been any change to the organization (e.g. name change, merger, split) in the last 8 years, please fill in the following information.	
Nature of the organization change:	<input type="checkbox"/> New Organization <input type="checkbox"/> Merger <input type="checkbox"/> Split <input type="checkbox"/> Name change <input type="checkbox"/> Other: specify details
Details pre-change Example: previous legal name, previous member sites, other information	Details of pre-changes
Details post-change Example: new legal name, new member sites, other information etc.)	Details of the post-changes

Section 4: URI Request Details (Mandatory)

Please check the type of URIs you would like to request (check all that apply).

Request - Please provide details of the requested URI, including the represented concept and purpose of use:
Details of the request

End of document ■

OID Usage Questions

1. What type of HSP are the OIDs applicable to (e.g. viewing, contributing, Single sign on)?

Each EHR asset has its distinct OIDs requirement for implementation. The OIDs requirement may change as the EHR assets evolve. The following describes the OIDs currently applicable to the Acute and Community CDR (acCDR) contribution, ConnectingOntario viewing or Diagnostic Imaging Common Service (DI CS).

Please contact eHealth Standards Program for the OIDs requirements for your specific implementation.

EHR Implementation	Required OIDs
acCDR Contribution	Organization OID, Facility OID, MRN OID, Visit Encounter OID, Sending System OID, Local Code System OID, Provincial Provider ID OID, Local Provider ID OID
ConnectingOntario Viewing (Federation)	UAO OID (same as Organization OID if HSP also contributing), IDP OID, MRN OID (for patient context sharing)
ConnectingOntario Viewing (ONEID)	UAO OID
DI CS Contribution	Site OID, Accession Number OID, Provider ID OID, Local Procedure Code OID

OID Usage Questions – cont'd

2. How are the OIDs applied?

All the OIDs required for the implementation need to be deployed in the relevant EHR asset (e.g. acCDR) before the HSPs are able to conduct testing. The OIDs deployment activities are scheduled and managed by eHealth Ontario in coordination with the supporting vendor. The HSPs will need to apply the OIDs in their interface or configuration as per detailed instruction in the specifications for the implementation.

3. Can the meaning of an OID be inferred by tracing its hierarchy?

No. While some parts of the OID hierarchy may convey semantic meaning, there is no requirement that it do so. Because any assigning authority can register any concept, inferring meaning based on the OID hierarchy (e.g. a node registered under the U.S. country node must be associated with the United States) is never a safe thing to do.

OID Usage Questions – Cont'd

- 4. When a point of service switches applications from one vendor to another or from one version of a system to another, does it need to change its application instance OID?**

The OID for the application instance itself should change if the software package is replaced by a completely different software package (because it's clearly no longer the same application instance). However, if only the software version changes, the OID can remain the same.

OID Usage Questions – cont'd

- 5. When a point of service switches applications from one vendor to another or from one version of a system to another, does it need to change the OIDs for the identifiers it assigns (e.g. lab order numbers)?**

It depends on whether the new system will adopt and continue using the namespace of the previous application or version. Certainly all existing orders would continue to have the same OID and should not be assigned a new OID. New orders could (and should) continue to use the same OID if they are still being issued in the same namespace. (The application ensures that new order numbers will not collide with any previously assignment.) If the new application or version cannot guarantee that newly assigned order numbers won't collide with previously assigned numbers, then a new OID must be used for all new order numbers, in order to ensure there is no collision between the previously assigned numbers and new numbers.

