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PROVINCIAL PROVIDER REGISTRY BUSINESS DATA ELEMENTS/EREFERRAL PROPOSED RESOURCES AND DATA ELEMENTS

eHealth Standards

Architecture and Standards

July 2017

Agenda

- Overview
 - PPR Overview
 - Provider Person Response Data Elements
 - Provider Organization Response Data Elements
 - Platform to Platform eReferrals(Resources/Data Elements)
 - Open discussion

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PROVINCIAL PROVIDER REGISTRY STANDARD

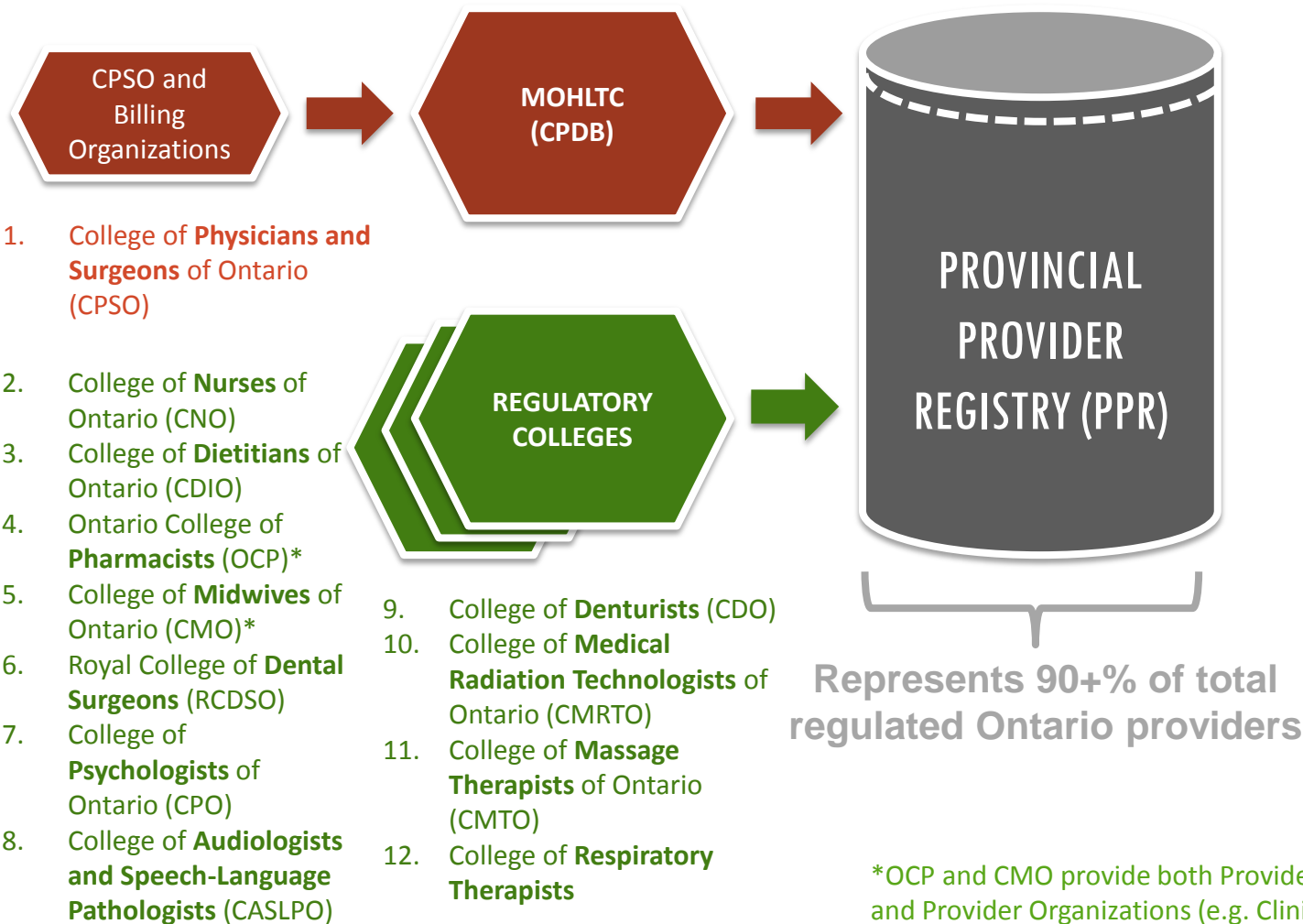


Provincial Provider Registry (PPR) Overview

- The Provincial Provider Registry (PPR) is the authoritative source for regulated providers. The future vision of PPR is to also include unregulated health care providers, as well as administrative users who are accessing the EHR under the authority of a healthcare provider.
- The PPR allows for the ability to search for Provider Organizations and Provider Persons.
- The PPR is also used indirectly for authentication and authorization during clinical information access (i.e. for the EHR Web Services being accessed via the HIAL and User Registry orchestration).

PPR Overview – Data Acquisition/ Contribution

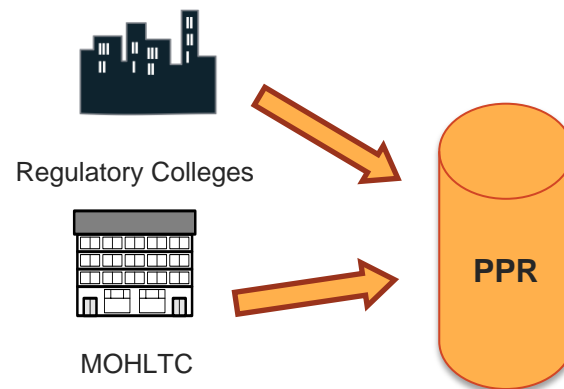
PPR currently sources provider credentials from **12** provincial Regulatory Colleges. Current contributors are identified below:



Registry Services: Data Acquisition and Data Consumption

PPR offers acquisition and consumption of data from hospitals and external organizations resulting in two Registry service offerings.

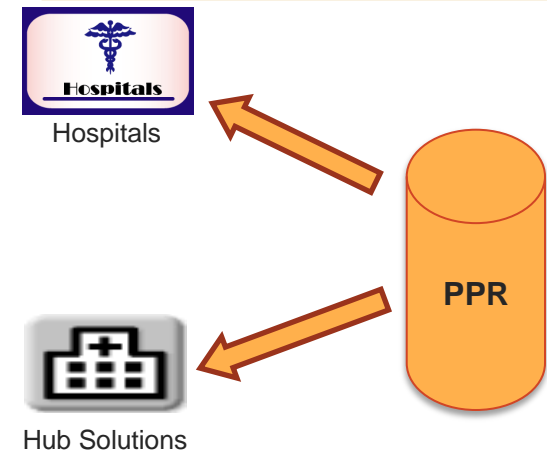
Data Acquisition



Data acquisition is the action of pushing or sending data to PPR. (aka “Data-in”)

Individual regulatory bodies are the source of Provider Person information

Data Consumption



Data consumption is the action of obtaining or pulling data from PPR. (aka “Data-out”)

Support onboarding of new Providers (e.g. physicians, nurses, etc.) and support the client referral process and distribution of reports/documents & support for the Panorama Immunization Module

Provincial Provider Registry

PPR Search Parameters

Provincial Provider Registry currently offers the following search parameters

■ Provider Person Searches by

- Name
- Profession
- License/Registration
- UPI
- Alternate ID

■ Provider Organization Searches

- Organization Name
- Organization Role
- Organization Address
- LHIN Code
- Organization UPI
- Organization Alternate Identifier
- Provider Organization Detail Search by UPI

Provider Person Response Payload

Provider Persons Data Elements

Data Element	Definition	Example Value(s)
Identifiers:		
Unique Provider Identifier (UPI)	ID used to uniquely identify a provider for a given authoritative source in the Provincial Provider Registry (PPR).	eHealth Ontario Provider Registry Unique Provider ID ID Issuer: 2.16.840.1.113883.3.239.9 ID Value: 160082505951
License Number	License ID used to uniquely identify a Regulated Health Professional by a given regulatory college in Ontario.	College of Physicians and Surgeons of Ontario (CPSO) - License Number ID Issuer: 2.16.840.1.113883.4.347 ID Value: 82295
Other Identifiers (ALTID)	Currently stores the MOH Stakeholder Number, a unique identifier assigned to a billing provider in the Ministry of Health's (MOH) Corporate Providers DataBase (CPDB).	MOH Stakeholder Number ID Issuer: 2.16.840.1.113883.3.239.13.36 ID Value: 9999811002
Demographics:		
Official Name	The formal legal name for the provider as registered in an official (government) registry, but which might not be commonly used.	John Smith
Alias Name	Pseudonym, alias, common, or self-asserted name that a provider is using or has used. In practice, alias name can be the provider's maiden name or any other name the provider may use.	Johnny Smith

Provider Persons Data Elements

Data Elements	Definitions	Example Value(s)
Gender	The gender of a person used for administrative purposes (as opposed to clinical gender).	M (Male)
Communication Language	Identifies the primary language used by the provider for the purposes of communication and/or service delivery.	eng
Official Language	Identifies the official language (English or French) used by the provider for the purposes of communication.	eng
Contact Information:		
Telephone	Phone number for the provider person at the college level (i.e. not tied to a given practice location).	14165557777
Fax	Fax number for the provider person at the college level (i.e. not tied to a given practice location).	14165558888
Email Address	Email address for the provider person at the college level (i.e. not tied to a given practice location). Masked (PI).	test.email@source.ca
Web Address	Web address for the provider person at the college level (i.e. not tied to a given practice location).	https://flo.cno.org/Register/Search.aspx
Profession Details:		
Profession Classification Type	Classification type of the provider person who receives the license. Example class type codes include; RH (Regulated Health Profession) for the license, and SP (Specialty) or SS (Sub-specialty) for the specialty/subspecialty details (where applicable).	RH (Regulated Health Profession)
Profession Code	A role type that is used to categorize an entity that delivers health care in an expected and professional manner to an entity in need of health care service (i.e. provider's profession). For persons, examples include MD (Medical Doctor), PHARM (Pharmacist), RM (Registered Midwife).	MD (Medical Doctor)

Provider Persons Data Elements

Data Elements	Definitions	Example Value(s)
Profession Start Date (License Effective Date)	Effective start date for an issued license certificate (effective end date of the provider expertise in the healthcare provider role). When a certificate that had been ended is re-activated, it will receive a new effective start date.	20120122
Profession Active Indicator	Indicates if the provider is active (e.g. Active with Limitations) or inactive/terminated (e.g. Deceased)	active
Specialty / Sub-Specialty Code	Code identifying the specialty or sub-specialty of the licensed provider. Specialties and sub-specialties are assigned only to applicable Professions (i.e. Medical Doctors) and Specialties (i.e. Family Medicine, Internal Medicine, & Pediatrics), respectively.	SP (Specialty) A160 (Family Medicine)
Specialty / Sub-Specialty Start Date	Effective specialty / sub-specialty start date for an issued license certificate.	20120122
Specialty / Sub-Specialty End Date	Effective specialty / sub-specialty end date for an issued license certificate.	20120122
Work Location Details:		
Address	Address for the provider for a given practice work location (typed as Governing Body, Primary, Secondary, or Mailing).	123 First Street Toronto CA-ON M1M 1M1 CAN
LHIN Number	Ontario Local Health Integration Network (LHIN) code as a catchment area for the given practice work location.	7 (Toronto Central)
LHIN Name	Ontario Local Health Integration Network (LHIN) name as a catchment area for the given practice work location.	Toronto Central
Telephone	Phone number for the provider for a given practice work location.	1416555777
Fax	Fax number for the provider for a given practice work location.	1416555888

Provider Persons Data Elements

Data Elements	Definitions	Example Value(s)
Affiliations:		
Affiliation Classification Code	Defines the classification code of the organization that the provider is affiliated to. For example, for a provider person, a physician is affiliated to a group practice.	PMG (Private Medical Group)
Affiliation Type Code	A unique code to identify the type of affiliation between providers.	B25 (Billing - Bill)
Affiliation Start Date	Effective start date for an organization affiliation.	20120122
Affiliation End Date	Effective end date for an organization affiliation.	20120122
Affiliation Unique Provider Identifier (UPI)	Unique Provider ID (UPI) for the affiliated organization in the PPR.	eHealth Ontario Provider Registry Unique Provider ID ID Issuer: 2.16.840.1.113883.3.239.9 ID Value: 939383
Training:		
Training Institution Classification Code	Code for the degree or educational rank that the credential specifies.	TRI (Training Institution)
Training Type Code	Code for the academic credentials or specialized training attained in a health profession by an individual practitioner.	UG (Undergraduate) , PG (Postgraduate)
Training End Date	Certificate or Training completion date	20120122
Training Institution Unique Provider Identifier (UPI)	Unique Provider ID (UPI) for the affiliated training organization in the PPR.	eHealth Ontario Provider Registry Unique Provider ID ID Issuer: 2.16.840.1.113883.3.239.9 ID Value: 128883

Provider Organization Response Payload

Provider Organization Data Elements

Data Element	Definition	Example Value(s)
Identifiers:		
Unique Provider Identifier (UPI)	ID used to uniquely identify a provider for a given authoritative source in the Provincial Provider Registry (PPR).	eHealth Ontario Provider Registry Unique Provider ID ID Issuer: 2.16.840.1.113883.3.239.9 ID Value: 101437603810
Other Identifiers (ALTID)	Example is MOH Stakeholder Number, a unique identifier assigned to a billing provider in the Ministry of Health's (MOH) Corporate Providers DataBase (CPDB).	MOH Stakeholder Number ID Issuer: 2.16.840.1.113883.3.239.13.36 ID Value: 388384002
Facility Number (FN)	Three digit code that uniquely identifies an organization under the Ministry of Health and Long-Term Care (MoHLTC) Master Numbering System.	Facility Number: ID Issuer: 2.16.840.1.113883.3.239.13.68 ID Value: 837 (The Hospital for Sick Children)
Master Number (MN)	Four digit code that uniquely identifies an organization service under the Ministry of Health and Long-Term Care (MoHLTC) Master Numbering System.	Master Number (MN): ID Issuer: 2.16.840.1.113883.3.239.13.36 ID Value: 3969 (The Hospital for Sick Children - Ambulatory Care)
Laboratory Services License Number	Four digit codes that uniquely identifies a licensed laboratory in Ontario as managed under the Laboratory Services Licensing System.	Lab Services License Number: ID Issuer: 2.16.840.1.113883.3.239.13.23 ID Value: 4237 (Almonte General Hospital)
Organization Profile:		
Organization Legal Name	The formal legal name for the organization as registered in an official (government) registry, but which might not be commonly used. (Not always provided.)	Goodwill Diabetes Clinic Inc.
Organization Common Name	Common or self-asserted name that an organization is using or has used. In practice, alias name can be the name the organization was previous referred as or any other name the organization may use. (Always provided.)	Goodwill Diabetes Clinic

Provider Organization Data Elements

Data Element	Definition	Example Value(s)
Organization Abbreviated Name	Organization common name abbreviation code.	GDC
Organization Type Code	A role type that is used to categorize an entity that delivers health care in an expected and professional manner to an entity in need of health care service. For organizations, examples include HOS (Hospital) and LAB (Laboratory).	HOS (Hospital)
Organization Active Indicator	Indicates if the provider is Active or Inactive/Terminated.	active
Organization Operational Status Code	Organization operational status as defined by the data source. Examples include; OP (Open), CL (Closed), SU (Suspended).	OP
Organization Operational Status Reason Code	Reason code of for the organization operational status (typically associated with a status of CL (Closed). Examples include; M01 (Amalgamation), M02 (Ceased Operations), M06 (Bankrupt).	M10 (Voluntary)
Organization Address	Mailing address for the organization independent of a given site under the organization (i.e. the head office).	123 Head Office Street Toronto CA-ON M6H 2X9 CAN
Organization Telephone	Phone number for the organization independent of a given site under the organization (i.e. the head office).	14165557777
Organization Fax	Fax number for the organization independent of a given site under the organization (i.e. the head office).	14165559999
Organization Email Address	Email address for the organization independent of a given site under the organization (i.e. the head office).	organization.email@source.ca
Organization Web Address	Web Address for the organization independent of a given site under the organization (i.e. the head office).	http://www.organizationsite.com

Provider Organization Data Elements

Data Element	Definition	Example Value(s)
Site / Location Information:		
Location ID	Sequential number identifying a unique site for a given organization.	1
Address	Address for the organization site (Typed as Governing Body, Primary, Secondary, or Mailing).	Addressee Name Toronto CA-ON M4S 1T5 CAN
LHIN Number	Ontario Local Health Integration Network (LHIN) code as a catchment area for the organization site.	7 (Toronto Central)
LHIN Name	Ontario Local Health Integration Network (LHIN) name as a catchment area for the organization site	Toronto Central
Telephone	Telephone number for the organization site.	14165553838
Fax	Fax number for the organization site.	14165558888
Email Address	Email address for the organization site.	Organization.email@source.ca
Web Address	Web address for the organization site.	http://www.organizationsite.com
Affiliated Persons:		
Person Affiliation Classification Code	Defines the classification code of the person that the organization is affiliated to.	MD (Medical Doctor)
Person Affiliation Type Code	A unique code to identify the type of affliction between providers.	L01 (Group Lead)
Person Affiliation Start Date	Effective start date for person affiliation.	20120122
Person Affiliation End Date	Effective end date for person affiliation.	20120122
Affiliated Person Unique Provider Identifier (UPI)	Unique Provider ID (UPI) for the affiliated person in the PPR.	eHealth Ontario Provider Registry Unique Provider ID ID Issuer: 2.16.840.1.113883.3.239.9 ID Value: 34343
Affiliated Organizations:		
Affiliation Classification Code	Defines the classification code of the organization that the provider is affiliated to.	PMG (Private Medical Group)

Provider Organization Data Elements

Data Element	Definition	Example Value(s)
Affiliation Type Code	A unique code to identify the type of affiliation between providers.	B25 (Billing - Bill)
Affiliation Start Date	Effective start date for an organization affiliation.	20120122
Affiliation End Date	Effective end date for an organization affiliation.	20120122
Affiliation Unique Provider Identifier (UPI)	Unique Provider ID (UPI) for the affiliated organization in the PPR.	eHealth Ontario Provider Registry Unique Provider ID ID Issuer: 2.16.840.1.113883.3.239.9 ID Value: 838383

Platform to Platform eReferrals

- what additional resources/data elements will a NON-CHATTY service catalogue need to help you send platform-to-platform eReferrals in addition to Practitioner and Organization:
- HealthcareService Resource:
 - Data elements:
 - Identifier
 - Active(Whether this healthcareservice is in active use)
 - Providedby(Organization reference)
 - Category(Broad category of service being performed or delivered)-Not needed
 - Type(Type of service that may be delivered or performed)
 - Specialty(Specialties handled by the HealthcareService)
 - Location(Reference to Location resource)
 - Telecom
 - Name(Description of service as presented to a consumer while searching)
 - ServiceProvisionCode(Conditions under which service is available/offered)-Not needed
 - ReferralMethod(Ways that the service accepts referrals)-Needs further investigation
 - Endpoint(Reference to Endpoint)

Platform to Platform eReferrals

Location Resource:

- Data elements:
 - Status(Location Status)
 - Name(Name of the location as used by humans)
 - Type(ServiceDeliveryLocationType)-Needs further investigating
 - Address(Physical Location)
 - Telecom-Needs further investigation
 - Position(absolute geographic location)-Not needed
 - ManagingOrganization(Organization reference)
 - Endpoint(Reference to Endpoint)-Needs further investigation

EndPoint Resource:

- Data elements:
 - Status(Endpoint Status)
 - ConnectionType(Protocol/Profile/Standard to be used with this endpoint connection)
 - Name(A name that this endpoint can be identified by)
 - managingOrganization(Organization that manages this endpoint (may not be the organization that exposes the endpoint))
 - Contact(ContactPoint)
 - PayloadType(The type of content that may be used at this endpoint (e.g. Discharge Summary))
 - Address(The technical base address for connecting to this endpoint)

Another Example workflow states for a referral from a PCP to a Specialist uses TASK Resource

<http://www.hl7.org/fhir/workflow-communications.html>

Needs further investigation!!