

Provincial Client Registry Standard Release 2 – Release Notes

Introduction

The intended audience for this document includes eHealth Ontario programs and any organizations implementing the provincial client registry. This audience includes technical and business audiences who will use the guide to develop implementations and validate that these implementations conform to the specifications and to the requirements of stakeholder organizations. Readers are expected to have some basic understanding of HL7 V2 methodology and implementations and IHE PIX/PDQ implementations. As well, readers are expected to have an understanding of certain Health IT standards which are foundational artifacts for the provincial client registry including, but not limited to, the following:

- Integrating the Healthcare Enterprise (IHE) profiles version 2 for Patient Identifier Cross-referencing (PIX) and Patient Demographic Query (PDQ).

The Provincial Client Registry Standard Release 2 was approved on July 21, 2016 by the Ontario EHR Architecture & Standards Governance Strategic Committee.

Background

The Provincial Client Registry (PCR) is the definitive source for a health care client's identity, facilitating the unique, accurate and reliable identification of individual clients and others who receive care in Ontario, across the disciplines in the health care sector. It contains demographic and identification cross-reference data for health care clients registered in one or more Patient Identifier Domains (PID) for which eHealth Ontario, as a result of policy/program/IT decisions, has established a data sharing agreement with the respective organizations.

The PCR is fed by multiple data sources, including the Ministry of Health (MOH) Registered Persons DataBase (RPDB), over 170 hospital sites tracking Admissions, Discharges, and Transfers (ADT), and other systems that participate in health care services (e.g. Wait Times Information System (WTIS), Cardiac Care Network (CCN)). The PCR includes the functionality of an Enterprise Master Patient Index (EMPI) to match records from different sources referring to a single health care client, addressing the need for positive client identification across Ontario's electronic health record.

Examples of PCR services include:

- Validating health care client identity information
- Searching and resolving information from multiple sources that refer to the same health care client identity
- Obtaining summary and detailed demographic information about a health care client

- Adding and updating a health care client record
- Merging and unmerging health care client records (because they either do, or do not, refer to the same individual)
- Reconciling duplicates

Clinical Value

PCR will enhance the delivery of patient care in Ontario by facilitating patient identification and resolution. This allows for the PCR data to be leveraged in order to put a patient in context and retrieve clinical documents from other repositories such as Labs, and Diagnostic Imaging. Some of the benefits include:

- Accelerating client registration processes as care providers will have immediate electronic access to accurate client demographic information.
- Improve care across multiple care settings via access to a central repository.
- Enable “assembly” of the Electronic Health Record (EHR) by being the source of all known identifiers of a client (e.g. HCN, MRNs, etc.)
- Improve point of care through identification of potential data discrepancies across multiple care settings.
- Provides physicians with a more complete picture of their client’s health; resulting in reduction in the number of repeated tests.
- Supports the “around-the-clock” need for information and consistent client care.

Organization of files

The Provincial Client Registry Standard Release review artifact

- PCR IHE PIX/PDQ HL7 v2 Implementation Guide (PDF document)

The folder structure that is created by unzipping the downloaded files as follows:

- Root Directory (e.g. c:\ Provincial Client Registry Standard Release 2)
 - Provincial Client Registry Standard Release 2 (folder)
 - PCR Standard Release 2– Review Instructions (PDF document)
 - PCR IHE PIX/PDQ HL7 v2 Implementation Guide (PDF document)

The Provincial Client Registry Standard Release 2 Artifacts Folder is further described in the table below:

Artifact	Filename(s)	Description
Provincial Client Registry Standard Release 2 (FOLDER)		
IHE PIX/PDQ HL7 v2 Implementation Guide	PCR IHE PIX/PDQ HL7 v2 Implementation Guide - v1.4 – 2016-07-21	The Patient Identifier Cross-Reference (PIX) and Patient Demographics Query (PDQ) services provide an alternative channel for those health care enterprises that do not currently support HL7V3 pan-Canadian interfaces to integrate with the Provincial Client Registry. PIX/PDQ interfaces allow the healthcare providers to execute patient searches following the IHE HL7 v2 standards to accurately identify patients and to retrieve the correct identifiers to look up medical records of patients from across health care organizations and other clinical domains.