Digital Health Opportunities and Innovations

Leveraging Immunization Ontario Solutions

May 25, 2016

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  1. Incorporate timely immunization information to/from all health-care providers who administer vaccines in Ontario (including physicians and pharmacists) - important to ensure a robust provincial immunization repository.
  2. Enable enhanced tools and analytics to support the action plans and on-going program planning and monitoring
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Notes:
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Aligned with commitments made in the Immunization 2020 strategy, on May 12, 2016, the Honorable Dr. Eric Hoskins, Minister of Health and Long-Term Care, introduced the Immunization of School Pupils Amendment Act, 2016. The proposed amendments:

- include improving immunization record reporting by requiring health care providers to report vaccines administered to children and youth for diseases designated under the ISPA to their local medical officer of health.
- support advice from the Advisory Committee for Ontario’s Immunization System Review in its 2014 report to develop “robust provincial information and information systems” capable of recording and tracking immunizations “regardless of the provider or the setting where the vaccine was administered.”
- support recommendation by the Auditor General of Ontario in her 2014 Annual Report to “develop processes, as part of its implementation of Panorama, that enable physicians and other health-care providers to electronically update the immunization registry each time they provide a vaccine.”
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- Early in the Panorama implementation, it was determined that, to be successful, a larger more inclusive view of Public Health was needed that included interoperability with the broader health sector to the provincial Immunization Repository.

- This resulted in several prototypes that evolved into the Public Health Delivery Platform (PHDP). This has recently merged with the Drug Strategy to form the Digital Health Delivery Platform (DHDP).

- DHDP is the Technical Strategy for Interoperability using HL7-FHIR. DHDP presents and implements an approach to interoperability between the Digital Health Immunization and Drug Repositories and the broad range and complexities of health systems from Provincial Systems, Hospital Information Systems (HIS), Pharmacy Management Systems (PMS), Electronic Medical Record Systems (EMR) to Personal Health Record (PHR) and Mobile Solutions.

- onCARE is a set of working services and applications that deliver tangible benefits built on the DHDP foundation for the consumer and the health care providers.
  - Immunization Repository (ICON, PHIX)
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ICON – Immunization Connect ONtario
Release 1 Features (targeting fall implementation)

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- Establishes an Ontario wide immunization collection standard for the Public to use regardless of which Public Health Unit they are associated with.

- Provides a simplified user interface to ease the collection of immunization information

- Joint Project between Mohawk College (MEDIC), CHI and MOHLTC

- Leveraging Cloud Services
Public Health Information Exchange (PHIX)

- PHIX acts as a “Gateway” between the outside world and the provincial Immunization Repository.

- The Gateway can accept immunization data from:
  - CSV Files (in production today)
  - ICON Web Services leveraging the Immunization Health Record (immunization record standard) and HL7-FHIR (immunization record messaging standard) (under development)

- PHIX enables Public Health Units to intercept the immunization data prior to storing into provincial Immunization Repository to:
  - Validate the Source of the Information
  - Validate the Content
  - Resolve Potential Duplicates, Create New Clients, if necessary
  - Submit Immunization data to provincial Immunization Repository (Panorama)

- Before PHIX, data was submitted to the provincial Immunization Repository manually by rekeying the immunization data from the paper-based Yellow Card. PHIX greatly simplifies this process and helps significantly to reduce errors and re-keying. It also enables more timely recording of information by enabling submission of record immediately after the immunization is administered (i.e. not waiting until school enrollment)

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DHDP Digital Health Delivery Platform

Digital Health Immunization Repository

Digital Health Drug Repository (ODB, NMS)

Common Shared Simple Clinical Components & Services
Modern Standards

ICON Cloud

EMR

HIS

Viewer

PHR

PMS

Health Network System (HNS)
(Pharmacy claims payment system)

ICON and PHIX – Conceptual View

PIN# Submission

Validation Identity

Confirmation

ICON WEB APP

Immunize CA

IBM Cloud

ICON-Server (Cloud)

Connected Backbone

PHIX

Panorama
eHealth Ontario
Clinical Viewers, and other External Partners

- Prototype of work with cSWO/Hamilton Health Sciences Corporation (HHSC) to integrate their Clinical Viewer (ClinicalConnect) with the provincial Immunization Repository.

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• Using the same approach and standards used above to link to:
  • Client Registry
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Appendix
Panorama Core Solution

- Communicable Disease Investigation, Management
- Outbreak Management
- Public Health Professionals
- Vaccine Inventory Management
- Immunization Management
- Notification Management
- Workflow Management
- Public Health Business Intelligence

- A provincial repository of communicable disease case, contact, and outbreak data, reducing risk to the population through early detection, rapid verification, and appropriate response to emerging disease threats.
- A shared view of provincial vaccine inventory, increasing the efficiency of delivery and reducing wastage.
- A provincial immunization repository, improving the understanding of immunization coverage rates, ability to protect at-risk individuals from vaccine preventable diseases, and enhanced tools to analyze public health cases and outbreaks such as SARS, influenza, and any of the more than 2,000 infectious disease outbreaks that occur in Ontario each year.

PHIX- Dashboard

The Dashboard displays a summary of all the client records pending review for the user’s Public Health Unit. The columns can be sorted and/or filtered. Pagination and client count features are also included.

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All potential client matches need to be reviewed in order to enable the option to create a new client.

To update the client’s immunization profile, the submitted immunization record can be dragged and dropped, from left to right, to the Panorama side of the screen.

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Digital Health Delivery Platform

Common Shared
Simple Clinical Components & Services
Modern Standards

DHDP
Digital Health Immunization
Repository (Panorama, PHIX)

Digital Health
Drug Repository
(ODB, NMS)

ICON Cloud

EMR
HIS
PHR
PMS

Health Network System (HNS) (Pharmacy claims payment system)

ICON and PHIX – Conceptual View

ICON WEB APP
Immunize CA

PIN# Submission
Validation Identity
Confirmation

Public Health Unit

IBM Cloud

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Connected Backbone
PHIX
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Appendix
Panorama Core Solution

- Communicable Disease Investigation, Management
- Outbreak Management
- Vaccine Inventory Management
- Immunization Management
- Notification Management
- Workflow Management
- Public Health Professionals

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May 25, 2016

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• Ontario’s Immunization of School Pupils Act (ISPA) requires that parents of children attending primary or secondary school (public or private) provide their local public health unit with proof of their child’s immunization against designated diseases, unless they have a valid exemption.
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Common Shared Simple Clinical Components & Services
Modern Standards

- ICON Cloud
- EMR
- HIS
- Viewer
- PHR
- PMS
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ICON and PHIX – Conceptual View

PIN# Submission
Validation Identity
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ICON WEB APP Immunize CA

IBM Cloud
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Panorama Core Solution

- Communicable Disease Investigation, Management
- Outbreak Management
- Public Health Professionals
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- A provincial repository of communicable disease case, contact, and outbreak data, reducing risk to the population through early detection, rapid verification, and appropriate response to emerging disease threats.
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Digital Health Opportunities and Innovations

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May 25, 2016

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EMR

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Digital Health Opportunities and Innovations

Leveraging Immunization Ontario Solutions

May 25, 2016

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- The "yellow-card" is now electronic providing parents with one consolidated version of their child’s immunization status in one place.

- The project ended March 2016 and completed on-time, within the approved scope, and within the project’s approved allocation.
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- Panorama’s immunization module is successfully implemented in 36/36 PHUs establishing the provincial Immunization Repository. To date:
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  - Over 30,000 immunization clinics have been conducted using Panorama
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- Panorama’s Inventory module is deployed in 36/36 PHUs and the Ontario Government Pharmacy.
- Panorama, as it exists today, is only part of the Immunization Ontario solution. The MOHLTC has implemented the following tools to extend the solution with additional work underway:
  - Mobile tool (m-IMMS) using IPAD devices to support school immunization clinics.
  - Panorama Enhanced Analytical Reporting (PEAR) Cognos tool to support local and provincial reporting such as vaccine wastage and immunization compliance/coverage rates.
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Strategies Alignment: Key Activities

- The Ministry’s vision is to expand the current focus of the Immunization Ontario solution on school-aged children to include, in future phases, all immunizations for all Ontarians. In response to Immunization 2020, Patients First, eHealth 2.0 and 2014 Ontario Auditor General Report the focus is to:
  1. Incorporate timely immunization information to/from all health-care providers who administer vaccines in Ontario (including physicians and pharmacists) - important to ensure a robust provincial immunization repository.
  2. Enable enhanced tools and analytics to support the action plans and on-going program planning and monitoring
  3. Enable mobile tools and bar coding to better support clinician workflow and data standards
  4. Enable consumer and mobile apps to better inform patients on immunization status, safety and services

Notes:
- Agreements completed with Canada Health Infoway (CHI) and Mohawk College to advance immunization reporting, mobile tools, consumer applications and bar-coding.
Context: Immunization of School Pupils Act (ISPA)

- Ontario’s Immunization of School Pupils Act (ISPA) requires that parents of children attending primary or secondary school (public or private) provide their local public health unit with proof of their child’s immunization against designated diseases, unless they have a valid exemption.
  - Public health units are responsible for collecting immunization records and conducting assessment and follow-up with parents of students who attend school in their jurisdiction.
  - Public health units annually assess students’ immunization records and follow-up with parents if the information is not up-to-date.
  - If the required information is not provided, the health unit may order the child to be temporarily suspended from school for up to 20 school days, until the required records are provided.

- The current process of reporting immunization data under the ISPA places the onus on the parent to provide their child’s immunization records to the public health unit (usually a copy of the yellow card).
  - Under the ISPA, health care providers are currently only required to provide immunization records to the patient/parent, usually by completing a yellow immunization card or providing a print-out of the record from an electronic medical record (EMR) system.
  - The current process results in a high degree of follow-up required with parents in order for public health units to obtain the necessary records. It also results in a large number of potential suspensions due to unreported records.

- Aligned with commitments made in the Immunization 2020 strategy, on May 12, 2016, the Honorable Dr. Eric Hoskins, Minister of Health and Long-Term Care, introduced the Immunization of School Pupils Amendment Act, 2016. The proposed amendments:
  - include improving immunization record reporting by requiring health care providers to report vaccines administered to children and youth for diseases designated under the ISPA to their local medical officer of health.
  - support advice from the Advisory Committee for Ontario’s Immunization System Review in its 2014 report to develop “robust provincial information and information systems” capable of recording and tracking immunizations “regardless of the provider or the setting where the vaccine was administered.”
  - support recommendation by the Auditor General of Ontario in her 2014 Annual Report to “develop processes, as part of its implementation of Panorama, that enable physicians and other health-care providers to electronically update the immunization registry each time they provide a vaccine.”
Immunization Ontario Solution – Moving Forward

• Early in the Panorama implementation, it was determined that, to be successful, a larger more inclusive view of Public Health was needed that included interoperability with the broader health sector to the provincial Immunization Repository.

• This resulted in several prototypes that evolved into the Public Health Delivery Platform (PHDP). This has recently merged with the Drug Strategy to form the Digital Health Delivery Platform (DHDP).

• DHDP is the Technical Strategy for Interoperability using HL7-FHIR. DHDP presents and implements an approach to interoperability between the Digital Health Immunization and Drug Repositories and the broad range and complexities of health systems from Provincial Systems, Hospital Information Systems (HIS), Pharmacy Management Systems (PMS), Electronic Medical Record Systems (EMR) to Personal Health Record (PHR) and Mobile Solutions.

• onCARE is a set of working services and applications that deliver tangible benefits built on the DHDP foundation for the consumer and the health care providers.
  • Immunization Repository (ICON, PHIX)
  • Drug Repository

ICON – Immunization Connect ONtario
Release 1 Features (targeting fall implementation)

• Public submission of immunization historical Information securely and with significantly improved quality to Public Health Units via PHIX and DHDP services.

• Public viewing of their Yellow Card or that of their dependents anytime anywhere. Parents will need a PIN to view immunization records. Queries will be handled by DHDP directly.

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Public Health Information Exchange (PHIX)

- PHIX acts as a “Gateway” between the outside world and the provincial Immunization Repository.
- The Gateway can accept immunization data from:
  - CSV Files (in production today)
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- PHIX enables Public Health Units to intercept the immunization data prior to storing into provincial Immunization Repository to:
  - Validate the Source of the Information
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  - Resolve Potential Duplicates, Create New Clients, if necessary
  - Submit Immunization data to provincial Immunization Repository (Panorama)
- Before PHIX, data was submitted to the provincial Immunization Repository manually by rekeying the immunization data from the paper-based Yellow Card. PHIX greatly simplifies this process and helps significantly to reduce errors and re-keying. It also enables more timely recording of information by enabling submission of record immediately after the immunization is administered (i.e. not waiting until school enrollment).

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DHDP Digital Health Delivery Platform

Digital Health Immunization Repository

Digital Health Drug Repository (ODB, NMS)

Common Shared Simple Clinical Components & Services
Modern Standards

ICON Cloud

EMR

HIS

Viewer

PHR

PMS

Health Network System (HNS) (Pharmacy claims payment system)

Initial View of DHDP and onCARE

ICON and PHIX – Conceptual View

PIN# Submission

Validation Identity

Confirmation

ICON WEB APP Immunize CA

Public Health Unit

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A provincial immunization repository, improving the understanding of immunization coverage rates, ability to protect at-risk individuals from vaccine preventable diseases, and improving immunization delivery programs.

A shared view of provincial vaccine inventory, increasing the efficiency of delivery and reducing wastage.

Enhanced tools to analyze public health cases and outbreaks such as SARS, influenza, and any of the more than 2,000 infectious disease outbreaks that occur in Ontario each year.

**PHIX- Dashboard**

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Initial View of DHDP and onCARE

DHDP
Digital Health Delivery Platform

Digital Health Immunization Repository (PAN, PHIX)

Digital Health Drug Repository (ODB, NMS)

Common Shared Simple Clinical Components & Services
Modern Standards

ICON Cloud

EMR

HIS

View PHR PMS

Health Network System (HNS) (Pharmacy claims payment)

ICON-Server (Cloud)

IBM Cloud

Connected Backbone

PHIX

Panorama

eHealth Ontario

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ICON and PHIX – Conceptual View

PIN# Submission

Validation Identity

Confirmation

Public Health Unit

ICON WEB APP Immunize CA

PHIX

Panorama

IBM Cloud

Connected Backbone

PHIX

Panorama

eHealth Ontario

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Digital Health Opportunities and Innovations

Leveraging Immunization Ontario Solutions

May 25, 2016

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  1. Incorporate timely immunization information to/from all health-care providers who administer vaccines in Ontario (including physicians and pharmacists) - important to ensure a robust provincial immunization repository.
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Aligned with commitments made in the Immunization 2020 strategy, on May 12, 2016, the Honorable Dr. Eric Hoskins, Minister of Health and Long-Term Care, introduced the Immunization of School Pupils Amendment Act, 2016. The proposed amendments:

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ICON – Immunization Connect ONtario
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- Before PHIX, data was submitted to the provincial Immunization Repository manually by rekeying the immunization data from the paper-based Yellow Card. PHIX greatly simplifies this process and helps significantly to reduce errors and re-keying. It also enables more timely recording of information by enabling submission of record immediately after the immunization is administered (i.e. not waiting until school enrollment)

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Initial View of DHDP and onCARE

DHDP Digital Health Delivery Platform

Common Shared Simple Clinical Components & Services
Modern Standards

Digital Health Immunization Repository

Digital Health Drug Repository (ODB, NMS)

Health Network System (HNS) (Pharmacy claims payment)

ICON Cloud

EMR

HIS

View

er

PHR

PMS

ICON and PHIX – Conceptual View

ICON WEB APP

Immunize CA

PIN# Submission

Validation Identity

Confirmation

IBM Cloud

ICON-Server (Cloud)

Connected Backbone

PHIX

Panorama

eHealth Ontario
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Panorama Core Solution

- Communicable Disease Investigation, Management
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- A provincial repository of communicable disease case, contact, and outbreak data, reducing risk to the population through early detection, rapid verification, and appropriate response to emerging disease threats.
- A shared view of provincial vaccine inventory, increasing the efficiency of delivery and reducing wastage.
- A provincial immunization repository, improving the understanding of immunization coverage rates, ability to protect at-risk individuals from vaccine preventable diseases, and
- Enhanced tools to analyze public health cases and outbreaks such as SARS, influenza, and any of the more than 2,000 infectious disease outbreaks that occur in Ontario each year.

PHIX - Dashboard

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<th>ID</th>
<th>First Name</th>
<th>Last Name</th>
<th>Date of Birth</th>
<th>Gender</th>
<th>School / Day Care</th>
<th>Submission Date</th>
<th>Source</th>
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<td>1989 Dec 20</td>
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- Digital Health Immunization Repository
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- Common Shared Simple Clinical Components & Services
- Modern Standards

- ICON Cloud
- EMR
- HIS
- Viewer
- PHR
- PMS

Health Network System (HNS) (Pharmacy claims payment system)

ICON and PHIX – Conceptual View

PIN# Submission

Validation Identity

Confirmation

ICON WEB APP Immunize CA

IBM Cloud

ICON-Server (Cloud)

Connected Backbone

PHIX

Panorama

eHealth Ontario

CONFIDENTIAL
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ICON Cloud

DHDP Digital Health Delivery Platform

Digital Health Immunization Repository

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Common Shared Simple Clinical Components & Services

Modern Standards

EMR

HIS

View PHR

PMS

Health Network System (HNS) (Pharmacy claims payment system)

ICON - Server (Cloud)

eHealth Ontario

ICON and PHIX – Conceptual View

ICON WEB APP Immunize CA

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CONFIDENTIAL
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Panorama Core Solution

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- Vaccine Inventory Management
- Notification Management
- Immunization Management
- Workflow Management
- Public Health Professionals
- Communicable Disease Investigation Management
- Public Health Business Intelligence

A provincial repository of communicable disease case, contact, and outbreak data, reducing risk to the population through early detection, rapid verification, and appropriate response to emerging disease threats.

A shared view of provincial vaccine inventory, increasing the efficiency of delivery and reducing wastage.

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Digital Health Opportunities and Innovations

Leveraging Immunization Ontario Solutions

May 25, 2016

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ICON
Cloud

EMR

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View
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ICO

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ICON WEB APP
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Panorama Core Solution

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Digital Health
Opportunities and Innovations

Leveraging Immunization Ontario Solutions

May 25, 2016

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- Ontario’s Immunization of School Pupils Act (ISPA) requires that parents of children attending primary or secondary school (public or private) provide their local public health unit with proof of their child’s immunization against designated diseases, unless they have a valid exemption.
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Common Shared Simple Clinical Components & Services
Modern Standards

ICON Cloud

EMR

HIS

Viewer

PHR

PMS

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ICON and PHIX – Conceptual View

PIN# Submission

Public Health Unit

Validation Identity

Confirmation

CONFIDENTIAL
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EMR

HIS

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ICON and PHIX – Conceptual View

ICON WEB APP
Immunize CA

PIN# Submission

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IBM Cloud

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Connected Backbone

PHIX

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  - support recommendation by the Auditor General of Ontario in her 2014 Annual Report to “develop processes, as part of its implementation of Panorama, that enable physicians and other health-care providers to electronically update the immunization registry each time they provide a vaccine.”
Immunization Ontario Solution – Moving Forward

- Early in the Panorama implementation, it was determined that, to be successful, a larger more inclusive view of Public Health was needed that included interoperability with the broader health sector to the provincial Immunization Repository.

- This resulted in several prototypes that evolved into the Public Health Delivery Platform (PHDP). This has recently merged with the Drug Strategy to form the Digital Health Delivery Platform (DHDP).

- DHDP is the Technical Strategy for Interoperability using HL7-FHIR. DHDP presents and implements an approach to interoperability between the Digital Health Immunization and Drug Repositories and the broad range and complexities of health systems from Provincial Systems, Hospital Information Systems (HIS), Pharmacy Management Systems (PMS), Electronic Medical Record Systems (EMR) to Personal Health Record (PHR) and Mobile Solutions.

- onCARE is a set of working services and applications that deliver tangible benefits built on the DHDP foundation for the consumer and the health care providers.
  - Immunization Repository (ICON, PHIX)
  - Drug Repository

ICON – Immunization Connect ONtario
Release 1 Features (targeting fall implementation)

- Public submission of immunization historical Information securely and with significantly improved quality to Public Health Units via PHIX and DHDP services.

- Public viewing of their Yellow Card or that of their dependents anytime anywhere. Parents will need a PIN to view immunization records. Queries will be handled by DHDP directly.

- Public submission of supporting material for review by Public Health Units substantiating their Immunization historical records (paper yellow cards or physician correspondence)

- Establishes an Ontario wide immunization collection standard for the Public to use regardless of which Public Health Unit they are associated with.

- Provides a simplified user interface to ease the collection of immunization information

- Joint Project between Mohawk College (MEDIC), CHI and MOHLTC

- Leveraging Cloud Services
Public Health Information Exchange (PHIX)

- PHIX acts as a “Gateway” between the outside world and the provincial Immunization Repository.

- The Gateway can accept immunization data from:
  - CSV Files (in production today)
  - ICON Web Services leveraging the Immunization Health Record (immunization record standard) and HL7-FHIR (immunization record messaging standard) (under development)

- PHIX enables Public Health Units to intercept the immunization data prior to storing into provincial Immunization Repository to:
  - Validate the Source of the Information
  - Validate the Content
  - Resolve Potential Duplicates, Create New Clients, if necessary
  - Submit Immunization data to provincial Immunization Repository (Panorama)

- Before PHIX, data was submitted to the provincial Immunization Repository manually by rekeying the immunization data from the paper-based Yellow Card. PHIX greatly simplifies this process and helps significantly to reduce errors and re-keying. It also enables more timely recording of information by enabling submission of record immediately after the immunization is administered (i.e. not waiting until school enrollment)

- PHIX enables the expansion of the Immunization Repository to more than school-aged children by providing the mechanism to load additional data sources such as data from EMRs, Pharmacy Management Systems (PMS) and Hospital Information Systems (HIS).

- PHIX Release 1 - Current
  - File uploads, supporting consumption of Immunization Data from external Sources (EMRs as an example).
  - Algoma and North Western PHUs are using this release to support extracts from their EMR systems.
  - Brant identified usage through data extracts from their Family Health Teams’ EMRs.
  - Deployment to all PHUs underway.

- PHIX Release 2 (Underway for fall release)
  - Includes additional data fields such as SDL, LOT#, ...
  - Provides integration with ICON using HL7-FHIR and the Immunization Health Record (IHR) standard
  - All submissions from ICON will be directed to PHIX initially until we can substantiate that the record came from an authoritative source (future)
Prototype of work with cSWO/Hamilton Health Sciences Corporation (HHSC) to integrate their Clinical Viewer (ClinicalConnect) with the provincial Immunization Repository.

- Consumer Mobile Application for managing Immunizations and Notifications
- Developed at the Ottawa Hospital Research Institute by Dr. Wilson
- Two-way integration to the provincial Immunization repository has been demonstrated
- Possible option for reporting immunization records in parallel to ICON and will leverage the same services as ICON
The Next 12 Months

The possibilities available in the next 12 months through work with DHDP and onCARE solutions include:

- Digital Health Immunization Repository (expanding Panorama as an Immunization Repository through ICON, PHIX, EMR integration and Clinical Viewers)
- Digital Health Drug Repository (establishing a Drug Repository for publicly funded drugs as well as narcotics with access through Clinical Viewers)
- Sandbox and Reference Suite – one place for EMR Vendors to try out and use sample implementations based on HL7-FHIR (we have some of this already in the works with Mohawk College)
- Using the same approach and standards used above to link to:
  - Client Registry
  - Provider Registry
  - One common central Authentication Model for Primary Care

Appendix
Panorama Core Solution

- Communicable Disease Investigation, Management
- Outbreak Management
- Vaccine Inventory Management
- Immunization Management
- Notification Management
- Workflow Management
- Public Health Business Intelligence

- A provincial repository of communicable disease case, contact, and outbreak data, reducing risk to the population through early detection, rapid verification, and appropriate response to emerging disease threats.
- A shared view of provincial vaccine inventory, increasing the efficiency of delivery and reducing wastage.
- A provincial immunization repository, improving the understanding of immunization coverage rates, ability to protect at-risk individuals from vaccine preventable diseases, and enhancing tools to analyze public health cases and outbreaks such as SARS, influenza, and any of the more than 2,000 infectious disease outbreaks that occur in Ontario each year.

The **Dashboard** displays a summary of all the client records pending review for the user’s Public Health Unit. The columns can be sorted and/or filtered. Pagination and client count features are also included.

The **icon** indicates that another user in the same Public Health Unit is reviewing the client. A client record can only be reviewed by one user at a time to prevent database record locking issues.
Upon selecting a client from the Dashboard, the submitted client demographics and a list of potential client matches from Panorama are displayed.

A side-by-side comparison, with differences highlighted in red, enables the user to ensure that the correct client in Panorama is updated.

All potential client matches need to be reviewed in order to enable the option to create a new client.

To update the client’s immunization profile, the submitted immunization record can be dragged and dropped, from left to right, to the Panorama side of the screen.

Upon clicking the submit button and confirming the action, the immunization record is saved in Panorama.