



Canada Health Infoway

Connected Care

*Shared pan-Canadian Interoperability
Roadmap Progress Update &
Market Guidance*

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About Me



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- Accountable for Connected Care program management
- Responsible for Connected Care strategy development
- Background: Public Health, Health Policy, Project Management Professional

The Need for Interoperability in Canada

Connected Care to Enable a Healthier Canada

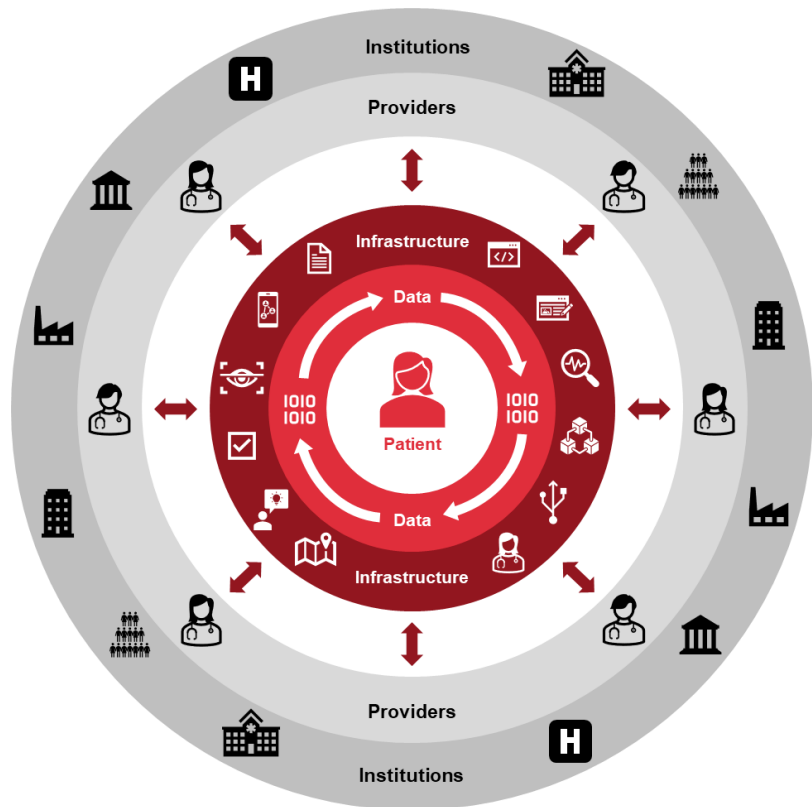


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to learn more.



- In May 2023 Canada Health Infoway, in collaboration with jurisdictional partners published the Shared Pan-Canadian Interoperability Roadmap
- The pan-Canadian roadmap **aligns, supports and complements provincial and territorial roadmaps** by providing common, pan-Canadian data, technical and policy standards

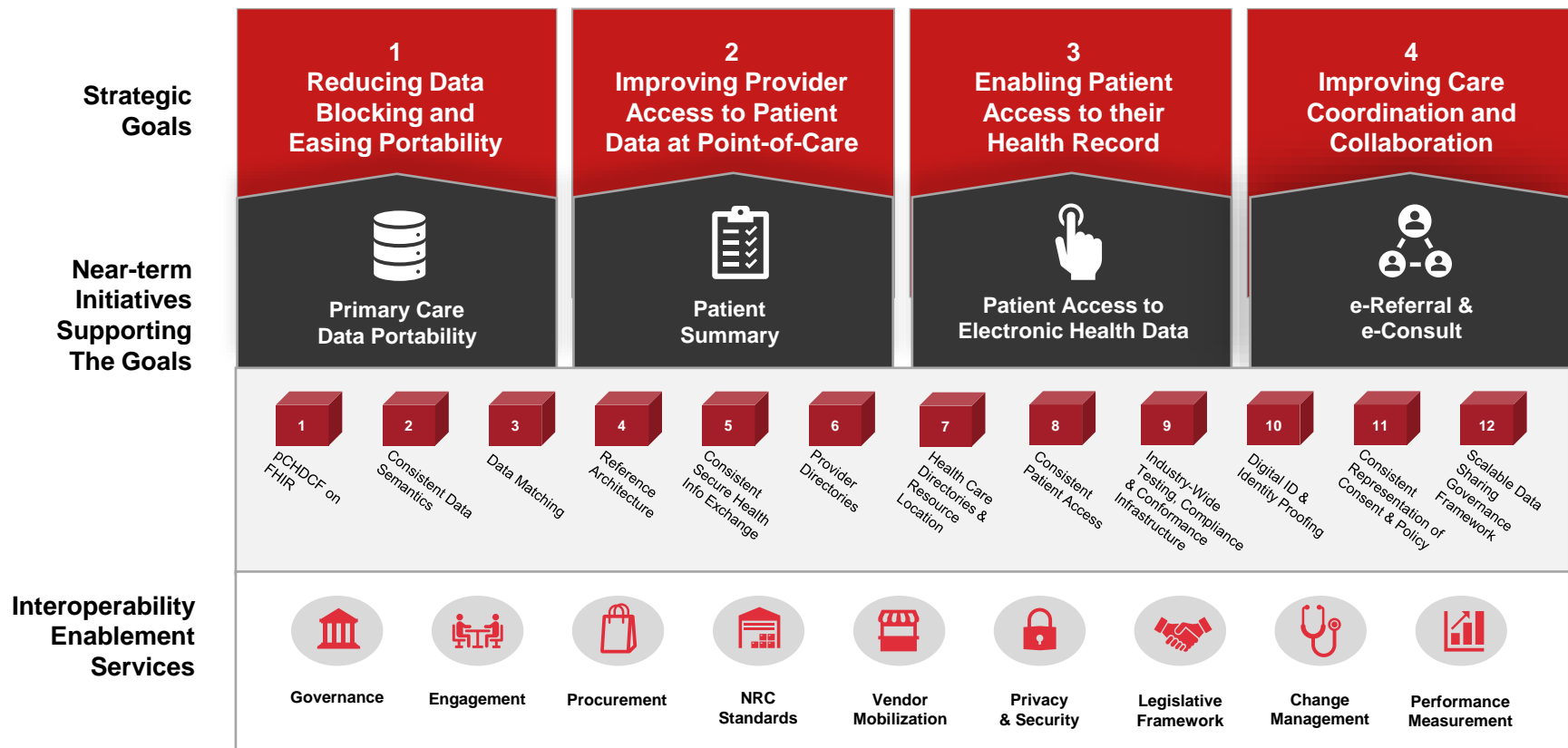
Infoway's Connected Care Program will work with all stakeholders to enable a modernized health system built on connected care.



Over the next five years, Infoway will be committed to driving value for all Canadians through:

1. Access to health information for all Canadians
2. A modernized health system built on connected care
3. Digital health innovation by and for all Canadians

Setting the stage: Shared Pan-Canadian Interoperability Roadmap at a Glance



Immediate Priorities



1. Primary Care Data Portability

Initiative will initially focus on developing a primary care data set for interoperable health information exchange



2. Patient Summary

Pan-Canadian Patient Summary (PS-CA) will allow care solutions to contribute pertinent health information into clinical repositories to improve health outcomes and reduce administrative burden for clinicians



3. Patient Access to Electronic Health Data

The Patient Access initiatives will work towards enriching the information available to patients, aspiring to enable access to full longitudinal health record



4. eReferral & eConsult

Establishing a pan-Canadian specification will streamline referrals (patients being referred to specialists) and consults (physicians consulting specialists for their expertise) between interoperable systems

Infoway's Role in Driving the Roadmap

INFOWAY SERVICE OFFERINGS



Procurement innovation support

Support innovation of procurement processes to benefit jurisdictions and vendors alike



Resources

Lead the authoring / creation of work products via Infoway/CIHI leads, contracted resources and jurisdictional co-collaborators.



Assets/products

Deliver pan-Canadian work products (e.g., specifications and standards) and supporting tools for co-collaboration on work products.



Subject Matter Expertise

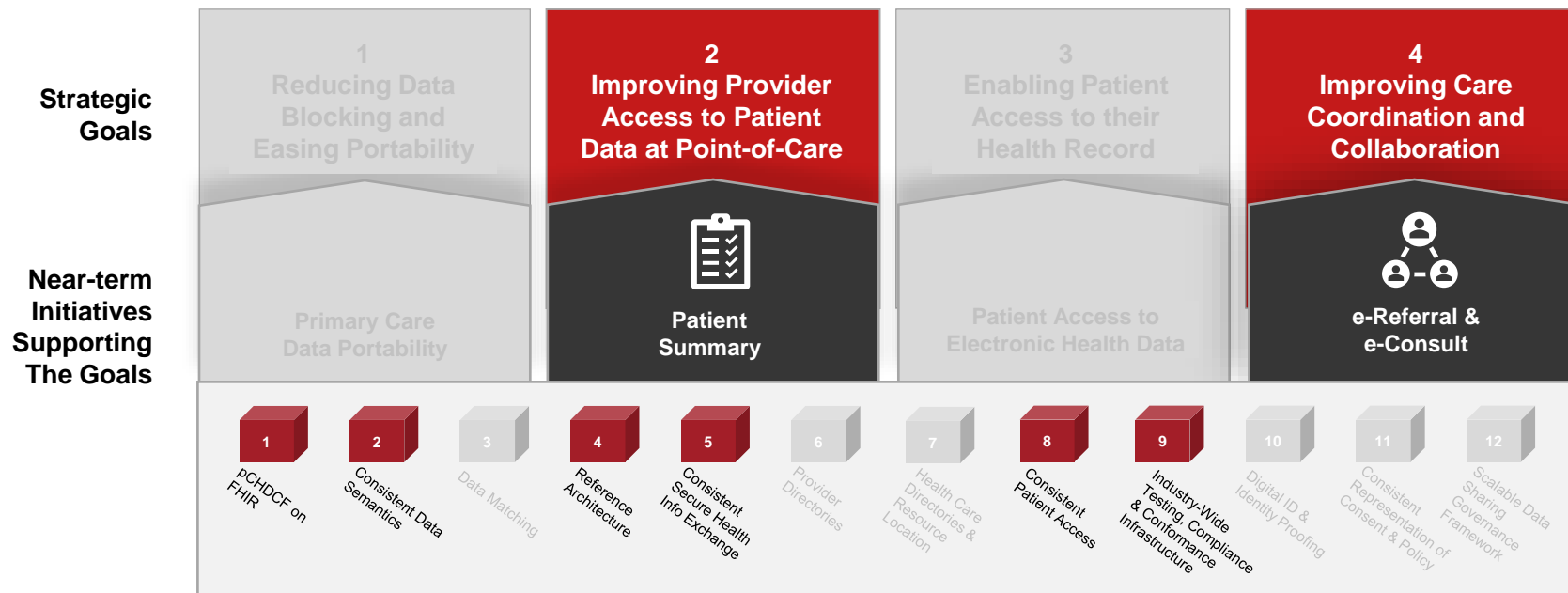
Provide SME support to provide guidance and recommendations to jurisdictions with their interoperability design, technology, standards, privacy, security, change management, etc.



Vendor management / conformance

Coordinate and lead the pan-Canadian approach to vendor management and interoperability specification conformance for input and alignment into procurement processes.

Roadmap in Progress



Roadmap in Progress

Legend	
	In progress
	Complete

Artifact	Description	Version	Development	Release Date
	Pan-Canadian Patient Summary (PS-CA)	PS-CA v1.1.0 DFT		Apr 2024
	Pan-Canadian FHIR Exchange (CA:FeX)	CA:FeX v2.0.0 DFT		May 2024
	Pan-Canadian Core FHIR Profile Set (CA Core+)	CA Core+ v0.1.0 DFT		Apr 2024
	Pan-Canadian eReferral and eConsult (CA:eReC)	CA:eReC v1.0.0 DFT		Jul 2024
	pan-Canadian Health Data Content Framework (pCHDCF)	pCHDCF v1.0		Sep 2024

Canadian Institute for Health Information
Better data. Better decisions. Healthier Canadians.

Roadmap in Progress

Infoway has made significant strides in convening vendors to participate in pan-Canadian interoperability efforts, including hosting technical events, launching an Early Implementer Program and convening an Industry Collaborative.



Projectathons

An international practice leveraged to test and validate interoperability specifications.

Early Implementer Program

A Program to advance the shared connected care priority areas outlined in the Interoperability Roadmap by supporting leading jurisdictions and vendors with their implementations.

Industry Collaborative

An avenue for digital health vendor partners to provide insights to federal and provincial stakeholders in support of the effective implementations of Interoperability Roadmap initiatives.

Market Guidance: A Path for Achieving Connected Care

All partners have an important role to play in the digital health ecosystem and must be in lockstep with each other. A Market Guidance document has been developed to support this objective.



Targeted for health IT vendors and jurisdictions (provinces and territories).



Provides direction and guidance on pan-Canadian interoperability trajectories.



Highlights key tenets and initial core components to enable interoperability.



Periodically Updated.

Key Tenets: Shared Values for Convening, Collaborating and Redefining Systems of Care



1. THINK BIG PICTURE

The development and implementation of standards have up and downstream impact on digital health systems. Advancements in interoperability should be considered holistically, in context of the entire health ecosystem, rather than in isolated, solution-specific environments.

Large, transformative initiatives may not yield impactful results for many years. To demonstrate more immediate benefits, and to encourage ongoing momentum, digital health advancements should focus on producing incremental value on a regular frequency against longer-term plans.



3. ADOPT A GROWTH MINDSET

2. ALIGN WITH GLOBAL STANDARDS

To modernize digital health systems, and for partners to compete effectively on a global scale, Canada should leverage and adapt international interoperability standards and best-practices where appropriate. This will enable the potential for cross-national interoperability in the future and it can open up digital health markets for new incumbents.



Pan-Canadian interoperability requires significant resources and time that individual collaborators may not have. While degrees of customizations are necessary to meet unique local needs, the vast majority of standards can be co-developed by partners and made available across Canada to alleviate resource and time constraints, as well as accelerate time to market.

4. EMBRACE SHARED CAPACITY



Initial Core Components



1. Standardized Health Data Content

The exchange of consistent, meaningful data across the health system relies upon a foundation of standardized concepts, definitions, and value sets. Standardization of the underlying data content and data structure will enable the creation of consistent health information exchange data models.



2. FHIR-based Model

Health information exchanges are expected to be heavily based on international HL7® FHIR® standards as a key enabler of modern information sharing practices around the world. A FHIR-based model will create consistency across interoperability products.



3. Common Health Services Architecture

Common services and assets enable jurisdictions to leverage specific reproducible capabilities needed for their service delivery context, such as digital identity, while accounting for other potential requirements. Adhering to a standardized Reference Architecture will offer consistent connectivity across the country, enabling better information flow, integration, and system planning.



4. Pan-Canadian Conformance Service

The pan-Canadian Conformance Service will focus on validating core service capabilities, the associated use cases and standards, as well as workflows. The Service will ensure health IT solutions are aligned with industry expectations according to both national and global standards.



5. Conformance-tied Procurement

Procurement processes may require vendor solution requirements to be validated by the Conformance Service to progressively achieve the future target state of Connected Care.

The Road Ahead

PATIENT ACCESS STRATEGY



Infoway, in collaboration with health system executives, providers, and patients, will be developing a strategy that aims to: reimagine the future of patients' digital access to their health records; the ability to contribute health information; facilitate engagements with their circle of care; and, support navigation of health services.

"PLUG-AND-PLAY" VISUAL INTERACTIVE FRAMEWORK



Infoway and its partners are exploring an opportunity to develop a standardized visual interactive framework that enables approved third-party applications to seamlessly "plug-and-play" into any authorized clinical applications, such as EMRs.

TRUSTED EXCHANGE FRAMEWORK



Infoway and its partners' efforts in driving interoperability have centered around primary care. As we explore opportunities to tackle interoperability challenges in other care sectors, we will look to introduce elements of a Trusted Exchange Framework as a means to establish the 'rules of the road' for data exchange.

How Our Stakeholders are Part of the Change

Connected care cannot be achieved by any one party alone – collective support and ongoing participation is needed to produce tangible and lasting change



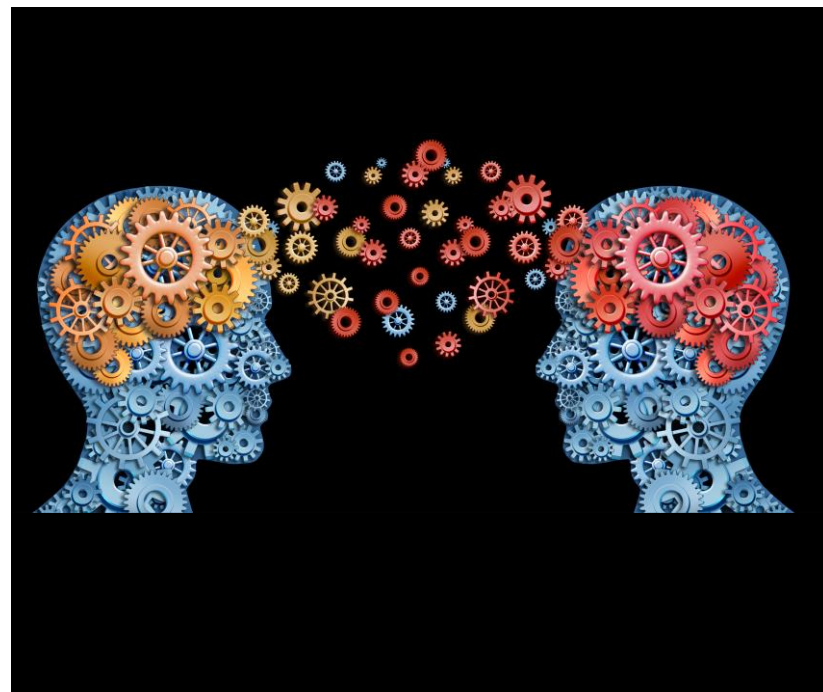
Participate in working groups and help guide the design and development of pan-Canadian specifications.



Champion and advocate for pan-Canadian standardization. Convergence and alignment across stakeholders results in lasting change.



Proactively implement pan-Canadian standards to enhance care coordination and improve patient outcomes through increased adoption.



How To Get Engaged and Stay Tuned

At the end of summer, Infoway will be launching a **\$100k scholarship fund** that will support clinical learners in accelerating unique digital health interoperability-related initiatives that are advancing modern connected care for patients and providers.

Applicants will need to demonstrate alignment with the strategic goals and initiatives as defined in the Shared pan-Canadian Interoperability Roadmap.

Connected Care Innovation Scholarship



\$5,000 per student