



Canada Health Infoway



Canada's Interoperable Healthcare Ecosystem



Canada Health Infoway

Integrating the Healthcare Enterprise (IHE) Canada

David Kwan, IHE Canada Chair

Agenda

- Introductions
- IHE – What, Why, Who, and How!
- 2025 IHE NA Connectathon
- Webinar Schedule for 2024/2025

Introductions



IHE – What, Why, Who, and How!

What?

1. IHE is an initiative by healthcare professionals and industry to improve the way computer systems in healthcare share information.
2. IHE promotes the coordinated use of established standards such as DICOM and HL7 (both HL7 V.2 and HL7 FHIR®) to address specific clinical needs in support of optimal patient care.



IHE – What, Why, Who, and How!

Why?

1. IHE enables health systems and care delivery networks to adopt interoperable digital workflows that support evidence- and value-based health services.
2. Enable seamless and secure access to health information that is usable whenever and wherever needed.



IHE – What, Why, Who, and How!

Who?

SOLVING INTEROPERABILITY CHALLENGES – CORE CONCEPTS

To solve **interoperability challenges**, IHE International has developed a process that **brings together clinicians, jurisdictions, vendors and, developers** of healthcare information technology (HIT) in an annually recurring four-step process.



1 Clinical, technical and jurisdictional experts define critical use cases and business requirements for solving a problem (e.g., Sharing Patient Summaries).



2 Technical experts create detailed specifications for Patient Summaries to address these use cases, selecting and optimizing established standards.



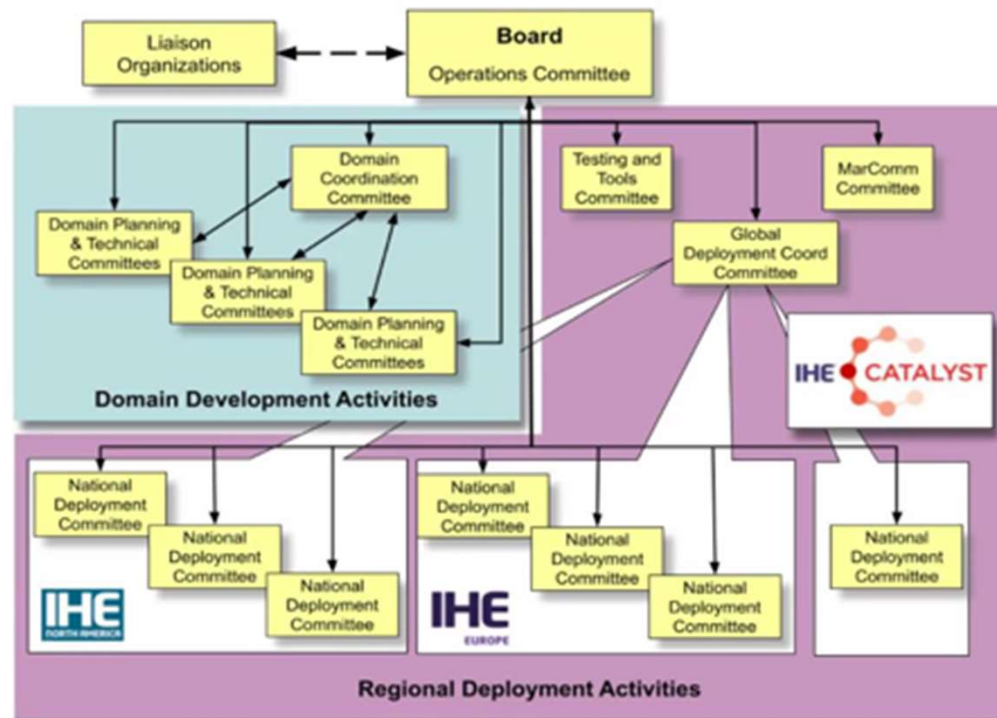
3 Industry implements these standard specifications called Integration Profiles in various HIT systems and solutions.



4 Allows vendors to demonstrate interoperability and conformance to the specification for the Patient Summary by testing their systems at carefully planned events called Connectathons and Projectathons.

IHE – What, Why, Who, and How!

Who?



IHE – What, Why, Who, and How!

How?

1. IHE enables health systems and care delivery networks to adopt interoperable digital workflows that support evidence- and value-based health services.
2. IHE develops workflow-based interoperability specifications and provides testing and validation capabilities that support the governance of health IT ecosystems as the foundation for health systems, care delivery networks and industry to improve health outcomes.

The Why: US Success Story

ONC Trusted Exchange Framework and Common Agreement (TEFCA)

21st Century Cures Act - Section 4003(b)



90 million documents
exchanged monthly and
growing...all on IHE
infrastructure!


*“[T]he National Coordinator shall convene appropriate public and private stakeholders to **develop or support a trusted exchange framework** for trust policies and practices and for a **common agreement** for exchange between health information networks.”*

[emphasis added]



Connected Care for Canadians Act

First Session, Forty-fourth Parliament, 70-71 Elizabeth II – 1-2 Charles III, 2021-2022-2023-2024	Première session, quarante-quatrième législature, 70-71 Elizabeth II – 1-2 Charles III, 2021-2022-2023-2024
HOUSE OF COMMONS OF CANADA	CHAMBRE DES COMMUNES DU CANADA
BILL C-72	PROJET DE LOI C-72
An Act respecting the interoperability of health information technology and to prohibit data blocking by health information technology vendors	Loi concernant l'interopérabilité des technologies de l'information sur la santé et visant à interdire le blocage de données par les fournisseurs de technologies de l'information sur la santé
<hr/> FIRST READING, JUNE 6, 2024 <hr/>	<hr/> PREMIÈRE LECTURE LE 6 JUIN 2024 <hr/>
MINISTER OF HEALTH	MINISTRE DE LA SANTÉ



2025 IHE NA Connectathon Week – Toronto

**InterContinental Toronto Centre
February 3rd to 7th, 2025**

**Connectathon
Week 2024**

**IHE-Europe
Plugathons 2024**

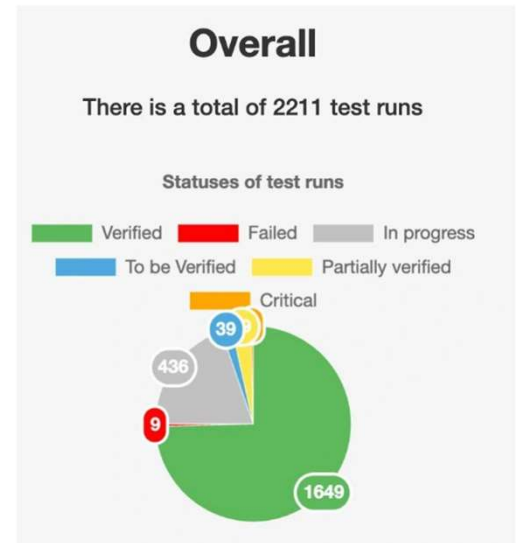
IHE-Europe Plugathon is an event dedicated to specific innovation contexts.



The IHE-Europe Plugathon offers a unique educational and testing opportunity by leveraging IHE experiences from the well-established **IHE-Europe Connectathon**. This event provides an opportunity to learn & share experiences and a platform for a specific community to innovate, including on-the-fly connections, with the APIs of health IT product solutions in a standardized way. It's the way to propel your projects forward!

The **IHE-Europe Plugathon** will take place alongside the **IHE-Europe Connectathon WEEK**, in Trieste, Italy from 3 to 7 June 2024. The event will be held at the [TCC Trieste Convention Center](#).

<p>IHE Profiles based on HL7® FHIR® Track <i>Technical Coordinator</i> Mauro Zanardini 4 - 5 JUNE</p>	<p>EHDS Track <i>Technical Coordinator</i> Mauro Zanardini 5 - 6 JUNE</p>	<p>AI Radiology Track <i>Technical Coordinator</i> Marc Kämmerer 3 - 6 JUNE <small>RESERVED TRACK</small></p>	<p>Energy Track <i>Technical Coordinator</i> Mathias Forjan 4 - 6 JUNE <small>RESERVED TRACK</small></p>
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	SUNDAY 2 PM	MONDAY 3 AM	MONDAY 3 PM	TUESDAY 4 AM	TUESDAY 4 PM	WEDNESDAY 5 AM	WEDNESDAY 5 PM	THURSDAY 6 AM	THURSDAY 6 PM	FRIDAY 7 AM	
HALL 27		IHE-EUROPE CONNECTATHON									
ERNESTO ILLY ROOM	IHE-EUROPE STEERING COMMITTEE	IHE-EUROPE EXPERIENCE DAYS					INTEROPERABILITY MASTERCLASS (CAPACITYHD)	CROSS DELEGATION WORKSHOP	XSHARE - X-BUNDLE RETREAT		
JOSEF RESSEL ROOM				IHE-EU PLUGATHON IHE FHIR PROFILE TRACK EDUCATIONAL		IHE-EU PLUGATHON EHDS TRACK EDUCATIONAL	IHE-EU PLUGATHON IHE FHIR PROFILE TRACK EDUCATIONAL		IHE-EU PLUGATHON EHDS TRACK EDUCATIONAL		
ITALO SVEVO ROOM		IHE-EUROPE PLUGATHON AI RAD TRACK								IHE RADIOLOGY MEETING	
UMBERTO SABA ROOM		NEWCOMER CONNECTATHON BRIEFING	CPP EXAM FROM 4.30 PM	IHE RADIOLOGY MEETING	LABEL2ENABLE MEETING	CONNECTATHON BUSINESS MODEL	IHE RADIOLOGY MEETING	ENERGY PLUGATHON WORKSHOP			
MARGHERITA HACK ROOM								eHMSEG MEETING			
VIP ROOM		IHE CATALYST	IHE GAZELLE USER GROUP YEARLY MEETING	IHE CATALYST	IHE CATALYST	IHE CATALYST	IHE CATALYST	PLUGATHON ENERGY	IHE SHARAZONE /MCWG WORKSHOP	IHE RADIOLOGY MEETING	



IHE NORTH AMERICA CONNECTATHON WEEK 2025

For the first time, one of the largest health IT interoperability technical testing events is coming to Canada.

Feb. 3-7 | Toronto

LEARN MORE



2025 IHE NA Connectathon

Program Planning

1. IHE International Connectathon Testing Event
2. IHE Canada Projectathon / Plugathon
3. IHE Experience Days
4. IHE Domain Meetings
5. Educational Tracks

IHE Canada 2024/2025 Webinar Series



IHE Canada 2024/2025 Webinar Series

- Sept 19 – USA, An IHE Health Data Exchange Success Story!
- Nov 21 – What goes on in an IHE Connectathon/Projectathon/Plugathon?
- Feb 13 – How can IHE help with creating standards/specifications that can be utilized for jurisdictional or nationwide RFPs? and IHE NA Connectathon Update.
- Apr 17 – Looking for Interoperability, How to read and use an IHE Technical Profiles or Supplements?
- June 19 – HL7 FHIR and IHE Technical Supplements, a match made to enable interoperable workflows!
- <https://infocentral.infoway-inforoute.ca/en/collaboration/communities-2/ihe>

Questions?





Canada Health Infoway

Thank you!

Contact Information:

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If you have an idea for a subject, a community working group or project that will drive interoperability forward, let us know! [Send your suggestions](#)

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