

The IHE logo consists of the letters 'IHE' in a bold, dark blue, sans-serif font. A vertical line is positioned to the right of the letters, separating them from the tagline.

Integrating
the Healthcare
Enterprise



What's New with the International Patient Summary (IPS)

IHE Europe – Connectathon 2023 Webinar

Mike Nusbaum

5 April 2023

International Patient Summary (IPS) Update

A little bit about me...

IHE International Board

- co-Chair, IHE IPS Profile development team
- IHE representative to ISO/TC215
- IHE representative to Joint Initiative Council (JIC)

ISO TC215 Health Informatics

- Member, AHG7- to establish a process for xSDO IPS standards maintenance and investigate IPS standards governance

Joint Initiative Council

- Former Chair
- Participating in xSDO IPS standards coordination for > 2 yrs

"Day Job"

- Digital Health Consultant for > 40 years, based in Canada with clients globally

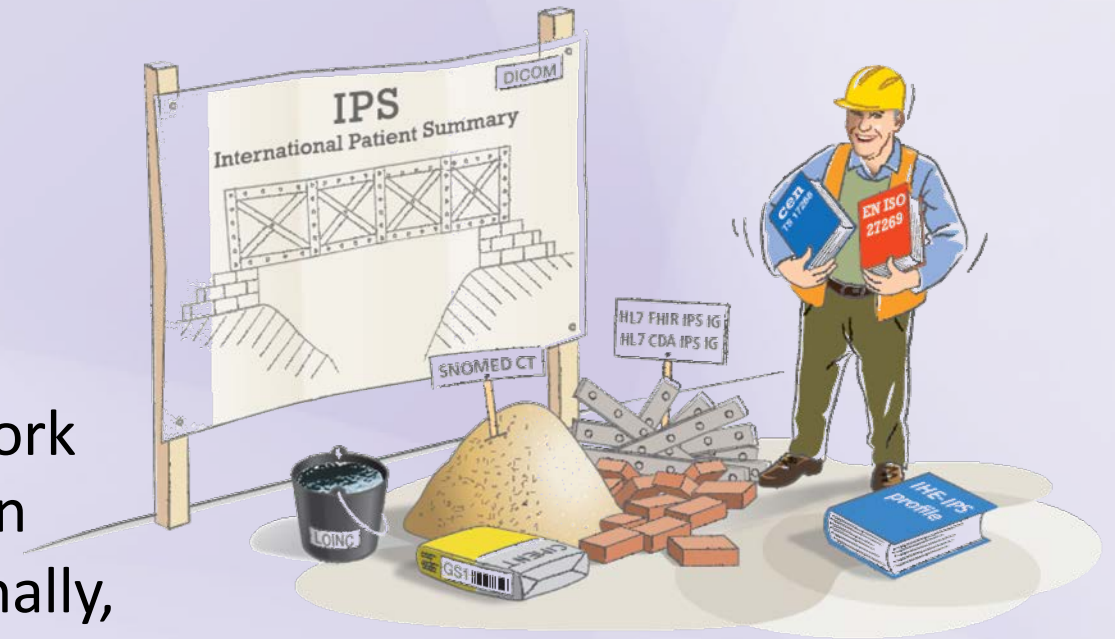


Agenda

1. IPS Refresher
2. IPS Global Insights – why is vendor adoption so important?
3. Global Adoption – a Canadian example
4. Proposed new IHE Profile – Accessibility to IPS (aIPS)
5. IPS Testing Process... introducing Steve Moore

Background and Context

- International Patient Summary (IPS) standards have been built through an unprecedented collaboration amongst 5 international digital health standards development organizations (SDO's)
- There exists today a number of IPS standards artefacts that are designed and intended to work together in assisting implementers to create an interoperable IPS infrastructure (locally, nationally, internationally)
- IPS adoption has been given a high priority in many jurisdictions worldwide (eg. G7, G20, EC)



© Clay & L. Bauckon (Illustration)




Background and Context

- 5 SDO's collaborating (so far):
 - HL7, IHE, ISO, SNOMED, CEN
- Artefacts produced:
 - IPS Data Structure/Data Model – EN/ISO 27269
 - IPS FHIR IG – HL7 (update just released)
 - IPS CDA IG – HL7
 - IPS Terminology – SNOMED (recently released)
 - **IPS Content Profile - IHE**
- Connectathons: HL7 FHIR; IHE; GDHP
- Many Projectathons worldwide

IPS Website

The screenshot shows the homepage of the International Patient Summary (IPS) website. At the top, there is a navigation menu with links for USERS, TOPICS, RESOURCES, COLLABORATION, and CONTACT. Below the menu is the IPS logo, which consists of a globe with a red caduceus symbol and the letters 'IPS' in red. To the right of the logo is the text 'The International Patient Summary' and 'key health data, worldwide'. A search icon and a hamburger menu icon are also present. Below the header is a large banner image with the text 'Implementations across the Globe' and a sub-headline: 'The International Patient Summary is a truly international asset to support the safe and efficient provision of care across the globe. Read about the initiatives and experiences across a wide variety of countries.' Below the banner is a paragraph of text: 'The International Patient Summary is a minimal and non-exhaustive set of basic clinical data of a patient, specialty-agnostic, condition-independent, but readily usable by all clinicians for the unscheduled (cross-border) patient care.' To the right of this text is a diagram of a pencil with colored segments representing different data categories: Medications (blue), Allergies / Intolerances (green), Problems (yellow), Results (orange), and Procedures (red). Below the diagram is the text 'The International Patient Summary'. At the bottom of the page is a section titled 'Latest on IPS' with two news items: 'CEN and ISO have aligned their work' and 'Hackathon at the German Interoperability Days: International Patient Summary Think Ahead'.

USERS ▾ TOPICS ▾ RESOURCES ▾ COLLABORATION ▾ CONTACT

 The International Patient Summary
key health data, worldwide

Implementations across the Globe


The International Patient Summary is a truly international asset to support the safe and efficient provision of care across the globe. Read about the initiatives and experiences across a wide variety of countries.

The International Patient Summary is a minimal and non-exhaustive set of basic clinical data of a patient, specialty-agnostic, condition-independent, but readily usable by all clinicians for the unscheduled (cross-border) patient care.

About Patient Summaries

A Patient Summary is a standardized set of basic clinical data that includes the most important health and care related facts required to ensure safe and secure healthcare.

This summarized version of the patient's clinical data gives health professionals the essential information they need to provide care in the case of an unexpected or unscheduled medical situation (e. g. emergency or accident). While this data is mainly intended to aid health professionals in providing unscheduled care, it can also be used to provide planned medical care, e. g. in the case of citizen movements or cross-organizational care paths, or even as a crystallization point for health records.



Latest on IPS

- [CEN and ISO have aligned their work](#)
Earlier this year, CEN adopted the ISO 27269 International Patient Summary standard as a European standard. [Read more...](#)
- [Hackathon at the German Interoperability Days: International Patient Summary Think Ahead](#)
The DITATHON is a kind of hackathon for the German speaking countries that challenges innovative ideas at the IPS [Read more...](#)

<http://international-patient-summary.net>

Contents

- Background and history
- IPS relevance (patient, provider, developer)
- Direct links to all IPS standards
- Global Adoption
- IPS Resources:
 - IPS Publications
 - IPS Presentations
 - IPS Tools and Prototypes

The Patient Summary journey...

Get to know the **Joint Initiative Council**

Making high-quality data available to the right people, at the right place and at the right time, for high-quality decisions and care.

Learn about the JIC at jointinitiativecouncil.org

cdisc | cen Health Informatics TC251 | DICOM | GS1 | HL7 International | IHE Integrating The Healthcare Enterprise | ISO HEALTH INFORMATICS TC215 | LOINC from Regenstrief | SNOMED International

IPS

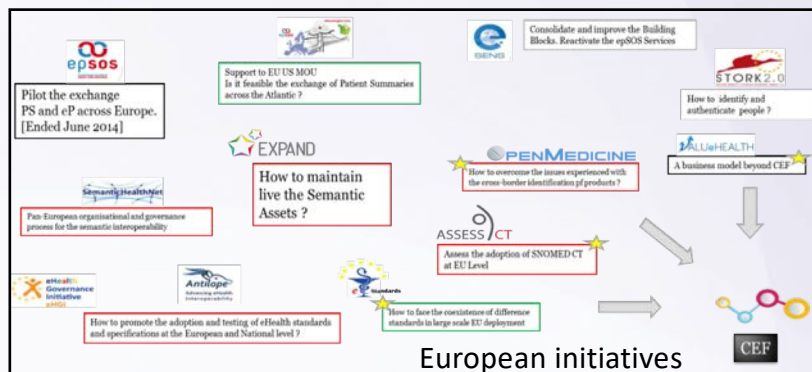
 2017-2020

Joint Initiative Council
Patient Summary Standards Set

GUIDANCE DOCUMENT
 JANUARY 2018 v1.0

Joint Initiative Council

cen Health Informatics TC251 | CDISC | GS1 | HL7 | SNOMED International | DICOM | ISO HEALTH INFORMATICS TC215 | IHE



International Patient Summary (IPS) Update

What is the IPS?

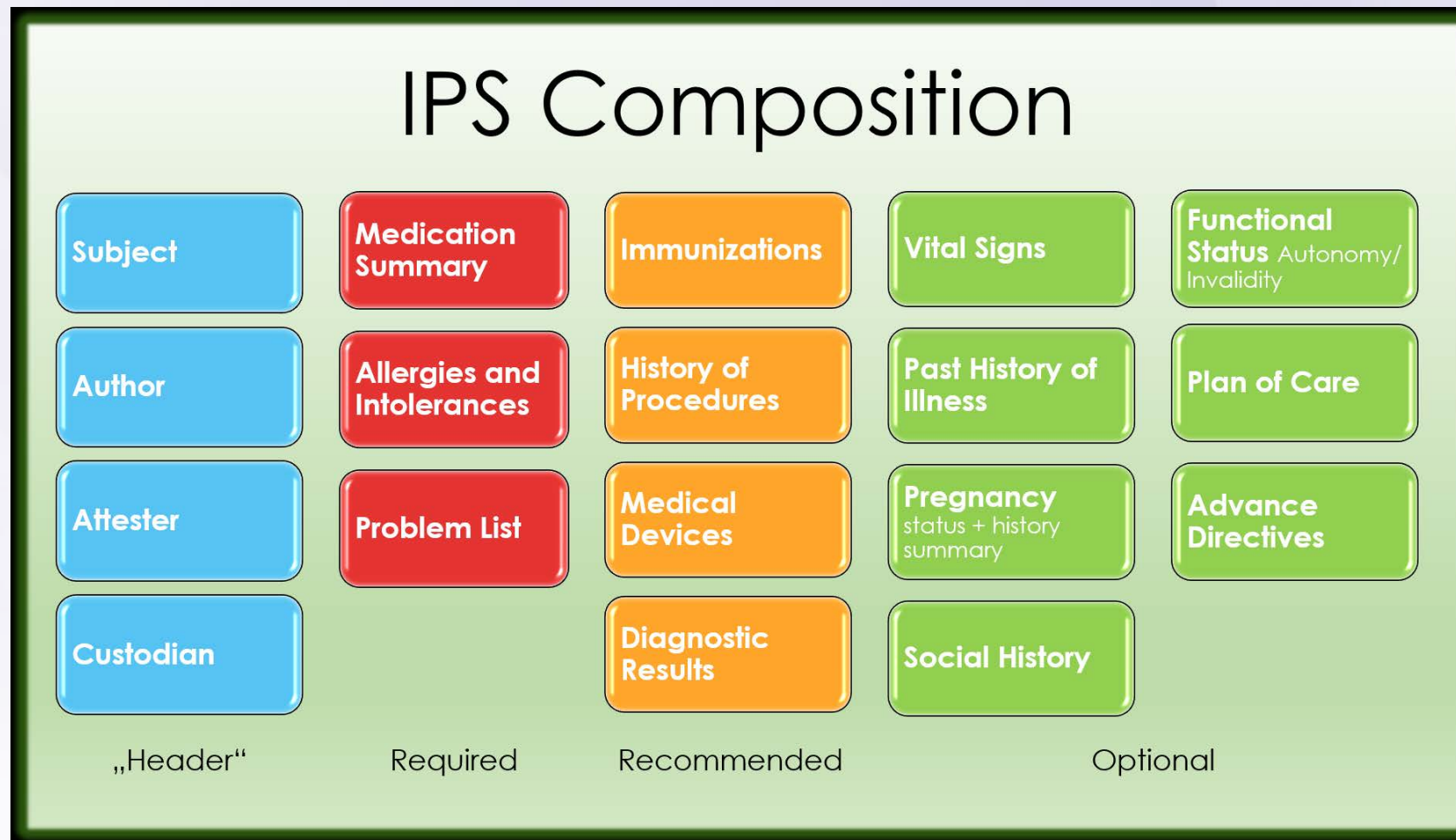
- **I**nternational
- **P**atient
- **S**ummary

It emphasizes the need to provide generic solutions for global application beyond a particular region or country.

Health record extract comprising a standardized collection of clinical and contextual information (retrospective, concurrent, prospective) that provides a **snapshot in time of a subject of care's health information and healthcare**

SOURCE: ISO/TR 12773-1:2009 (en) Business requirements for health summary records — Part 1: Requirements]

IPS Content



The Challenge

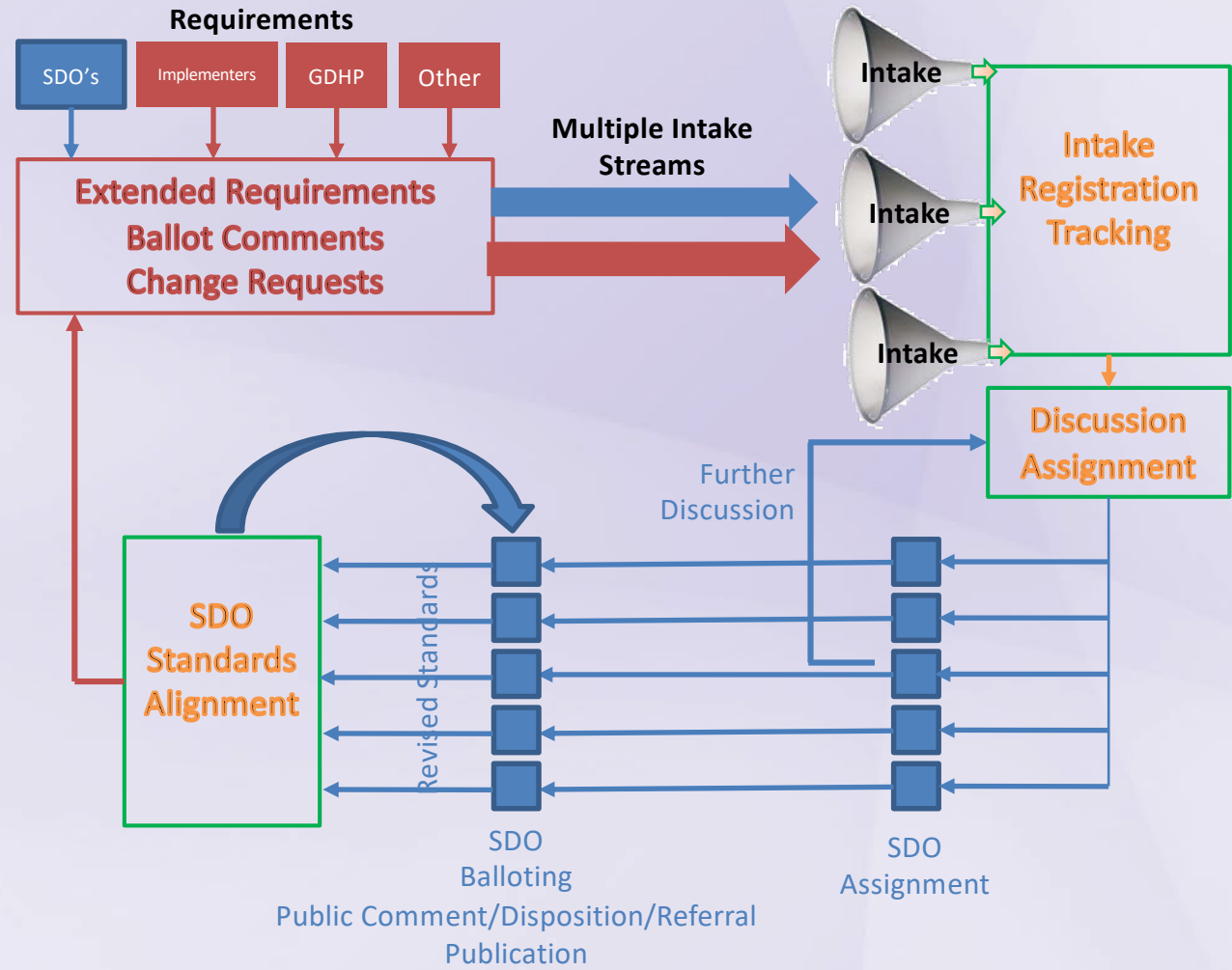
- IPS artefacts are interdependent on one another, and must be kept synchronized
- Updates to one artefact necessitate updates to others
- Correction (as well as new functions and features) to IPS standards are constantly introduced through SDO ballot comments, Connectathons, Projectathons, and global implementation experience
- There is a need for ongoing xSDO triage and coordinated response
- An informal IPS xSDO group has been meeting bi-weekly for the past 2 years... this is being formalized under the JIC*

*<http://jointinitiativecouncil.net>

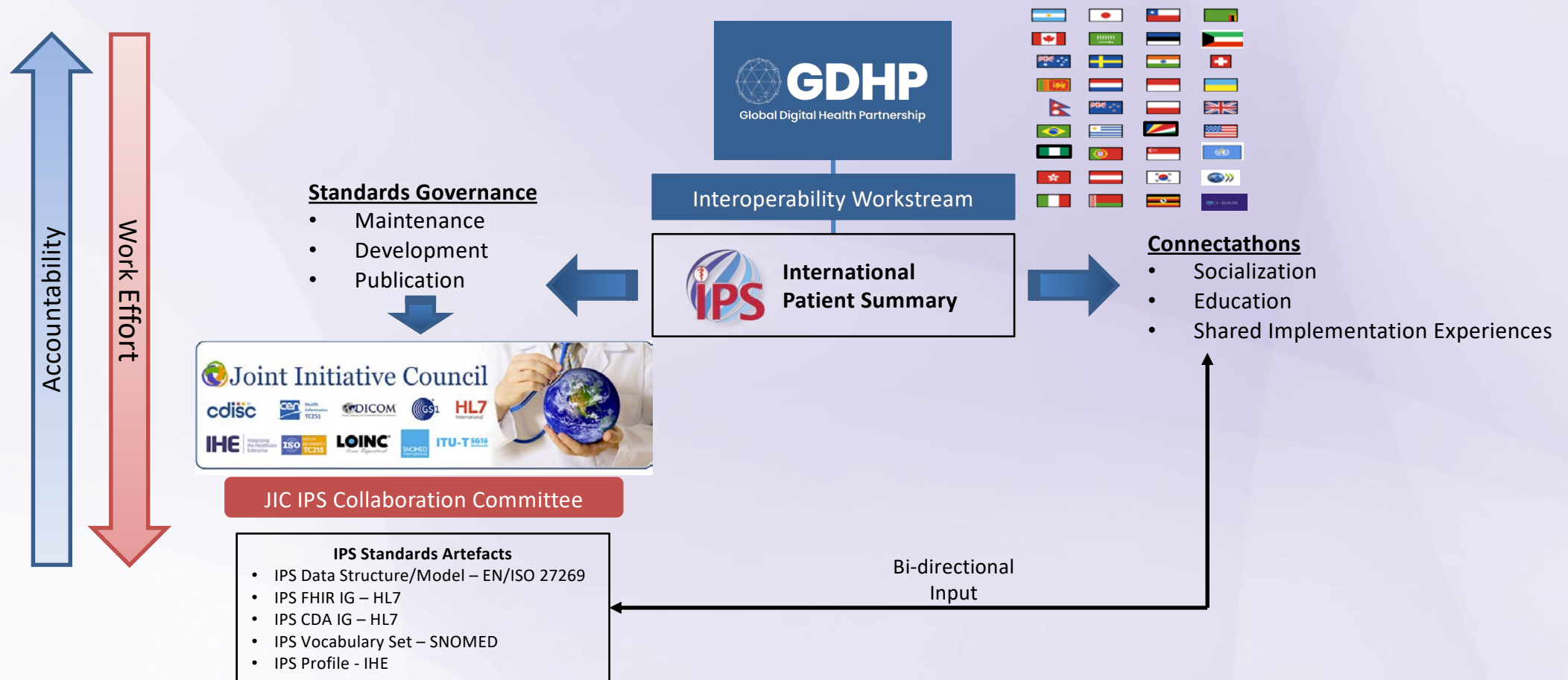
xSDO IPS Standards Maintenance Process

- IPS Standards Artefacts**
- IPS Data Structure/Model – EN/ISO 27269
 - IPS FHIR IG – HL7
 - IPS CDA IG – HL7
 - IPS Vocabulary Set – SNOMED
 - IPS Profile - IHE

Note:
Green boxes represents tasks to be undertaken by a xSDO Coordination Body



IPS Standards Governance Discussion

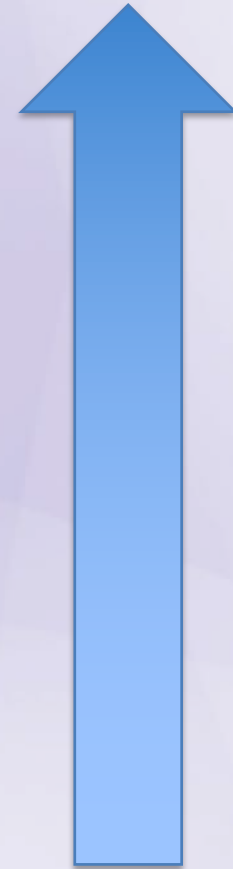


International Patient Summary (IPS) Update

IPS Uptake

International “Hype”

- Explicitly recognized by the G7, G20, EC, WHO as a key digital health enabler
- GDHP Promotion (interoperability “topic”)
- Multiple countries implementing IPS, interest is high
- Extensive standards contributions by international SDO’s:
 - CEN, ISO, HL7, SNOMED, (IHE)
- FHIR Connectathon workstream
- HL7 funded by ONC (GDHP, not US)
- HIMSS23 promotion (sessions and Showcase)
- HIMSS Europe panel sessions
- Multiple JIC webinars



IPS “buzz” at HIMSS23

HIMSS 23
17-21 April | Chicago

Attend Experiences Program Schedule

Global Advancements in the International Patient Summary

Thursday, April 20 at 10:00 AM - 11:00 AM CT South Building, Level 4 | 5406 B

The International Patient Summary (IPS) is a standard for sharing essential health information developed through a cross standards development organizations (SDOs) initiative and supported by global programs for digital health, such as the Global Digital Health Partnership (GDHP). The IPS is one of the first Fast Healthcare Interoperability Resources (FHIR) document standards and establishes how structured data can be shared worldwide using controlled vocabularies and terminologies. This session will review progress globally on the adoption and implementation of the IPS. This will include IPS examples, open-source tools to visualize IPS documents and initial demonstrations of patient-mediated exchange. In addition, this session will review the recently updated IPS FHIR standard and how it relates to other national and international standards for health information.

Learning Objectives

- Describe the role of the International Patient Summary (IPS) in cross-border sharing of medical information and the key domains where it summarizes medical information
- Present how leading global health and standards development organizations are advancing IPS adoption and implementation
- Demonstrate open-source tools that have been developed for developing and using the IP
- Discuss the role of vocabularies and terminologies in the exchange of health information across organizations, nations and different languages
- Distinguish the role of a patient summary (i.e. the IPS) from other emerging methods and standards for accessing clinical data

Speakers



John D'Amore
Technical Advisor
HL7



Matthew Rahn
Deputy Director, Standards Division
Office of the National Coordinator for Health IT



HIMSS International Patient Summary Listening Session
April 18, 2023

International Patient Summary Listening Session

- Date/Time:** Tuesday, April 18, 2023; 2 pm – 3:00 pm CT
- Location:** Chicago, McCormick Place, North Building, Level 1, Room N128
- Staff Contacts:** Christina Caraballo - Christina.Caraballo@HIMSS.org; Evan Dunne - Evan.Dunne@HIMSS.org; Amit Trivedi - Amit.Trivedi@HIMSS.org

BY INVITATION ONLY

Description:

True healthcare interoperability means that information can flow wherever it is needed, across borders and health systems. The International Patient Summary (IPS) standardizes clinical data content and messaging technology worldwide, facilitating the movement of clinical information needed to support the care of an increasingly mobile population. The IPS also helps build a bridge between the “home” health and care environment of the patient and any other place where the patient needs to visit a clinical professional, whether within or across borders.

The IPS specifications have been developed through the collaborative efforts of a broad group of international stakeholders and healthcare standards development organizations (SDOs). The initiative demonstrates how international health informatics community, government health agencies, and SDOs can collaborate on a deliverable that can benefit the entire global community.

Join global leaders for an in-person listening session and opportunity to convene at the HIMSS23 Global Conference to hear the latest information on the development, implementation, and global adoption of the International Patient Summary specification. Participants will have an opportunity to share updates to stakeholders on their regional efforts to deploy the IPS via policy, planning, and implementation activities.

Discussion Questions:

- What are some recent efforts with IPS in your region that can be shared?
- How can the broader HIT community support adoption & implementation of IPS?
- Do your national roadmaps/strategic goals support the IPS?
- What barriers and opportunities exist to support adoption of the IPS?
- What kinds of incentives could help support IPS adoption?

Agenda:

- Welcome/Opening Remarks
- Remarks from Invited Speakers
- Open Question & Answer / Discussion Session
- Closing Remarks

1



Canada Health Infoway

**PS:CA
Reference Architecture**



Patient Summary-CA Specifications



What is it?

- The Pan-Canadian Patient Summary Interoperability Specification is an implementable, testable specification, based on the IHE International Patient Summary specification and HL7 IPS IG
- Defines building blocks (both: data model and interoperability) to create and share condition-independent and specialty-agnostic patient summaries

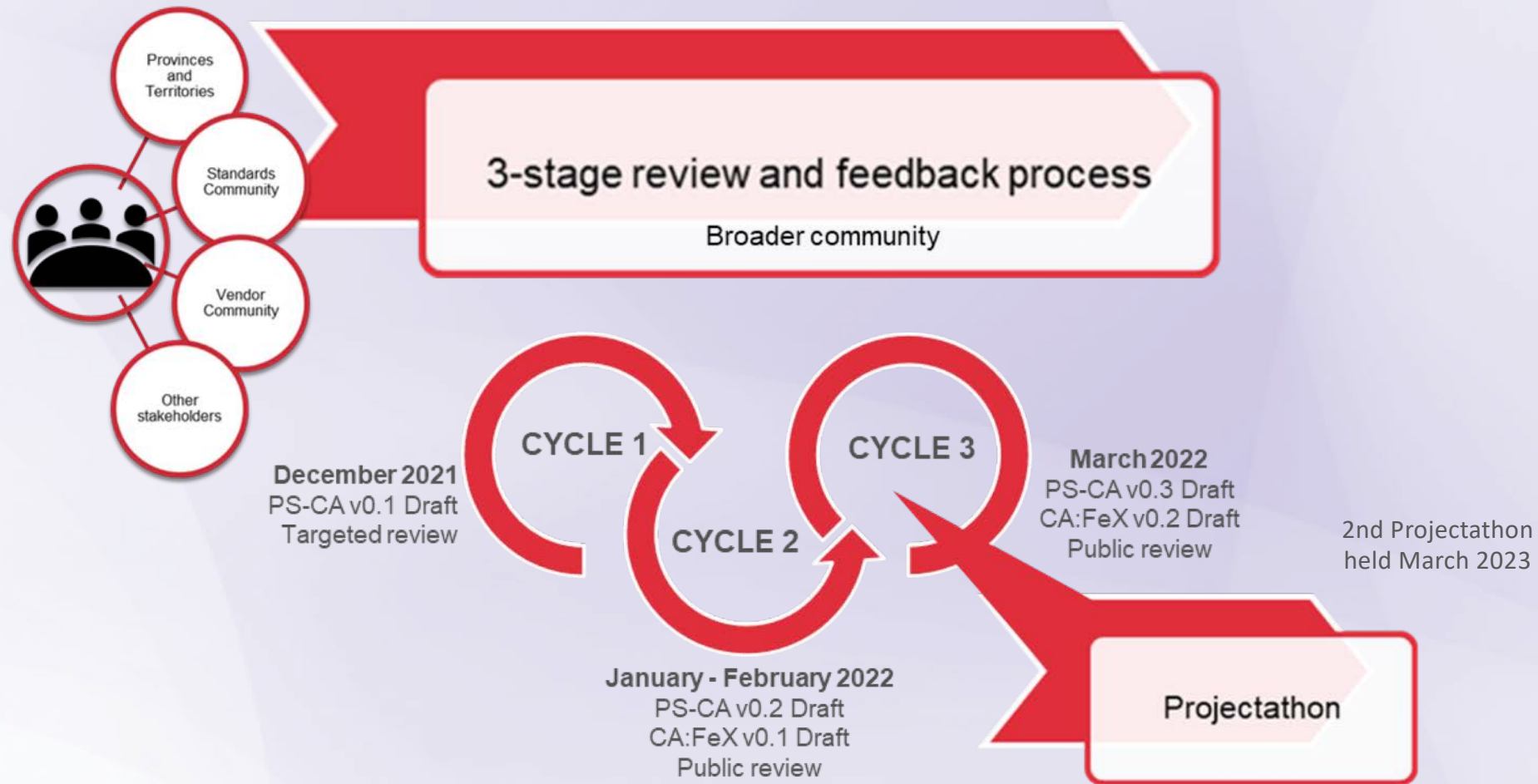


Intended Audience

- IT departments of healthcare institutions
- Technical staff of participating vendors
- Experts involved in standards development
- Software developers



Review Cycles



In conclusion...

IHE Opportunities

- Find ways to “bundle” IPS with other profiles (FHIR and non-FHIR) to enable implementable workflows (ITI)
 - “push” vs. “query-response”
 - trigger events – alerts
 - other examples?
- Current use cases:
 - Cross border scheduled and emergency care (any border)
 - Within border scheduled and emergency care

New IPS Profile proposal

Accessibility to IPS (aIPS)

- A small IG Profile that hooks IPS to IHE Document Sharing (XDS, XCA, XDR, XDM, MHD, MHDS), using existing PCC Content Creator / Content Consumer actors that already support this binding (IHE IPS Content Profile)
- Designed to support:
 - Publishing IPS
 - On-demand access to IPS
 - Retrieval of IPS
 - Pushing an IPS to a recipient
- Approval expected this week!!

Current Prototype - <http://build.fhir.org/ig/IHE/ITI.aIPS/branches/master/index.html>

Current Github with readme - <https://github.com/IHE/ITI.aIPS/>

New Work Item Proposal - <https://github.com/IHE/IT-Infrastructure/issues/197>



Thank you

For further information:

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