International Patient Summary: Getting Started with Examples, Tooling, and Exchange

Matthew Rahn, Deputy Director, Standards Division, HHS/ONC

HL7 FHIR DevDays International 2022 | Hybrid Edition, Cleveland, OH | June 6–9, 2022 | @HL7 | @FirelyTeam | #fhirdevdays | www.devdays.com

ORGANIZED BY

Who am I?

- Matthew Rahn

- Deputy Director, Standards Division, OTECH, ONC

# Global Digital Health Partnership (GDHP)

Who?

33 governments + 3 international bodies
(Includes WHO, I-DAIR and OECD)

What?

The Global Digital Health Partnership (GDHP)
is a collaboration of country governments,
territory governments, and multinational
organizations formed to support the executive
implementation of worldwide digital health
services. (more at https://gdhp.health)

**Includes five workstreams with one
dedicated to advancing interoperability**
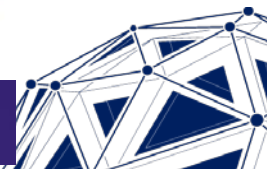
# What is the International Patient Summary (IPS)?

- A standardized set of basic clinical data

- Includes most important health and care related facts

- A summarized version of a patient's clinical data provides health professionals the essential information needed for care

Medications
Allergies / Intolerances
Problems
Immunizations
Results
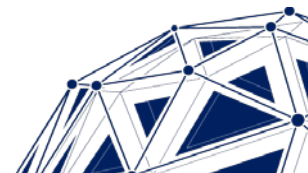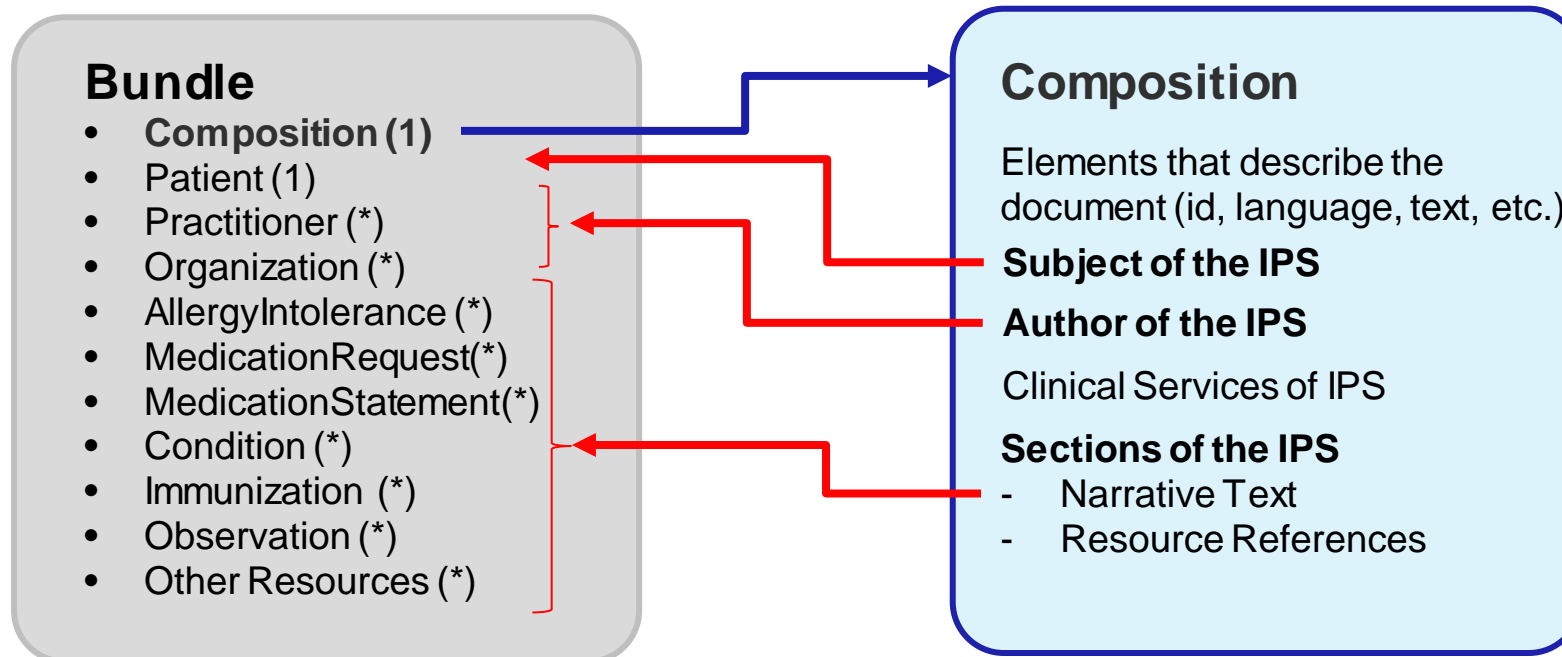Procedures

The International Patient Summary

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.
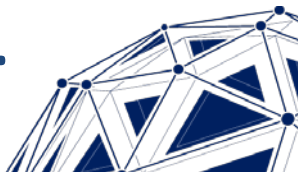
The IPS: A Cross-SDO Collaboration

IPS in FHIR
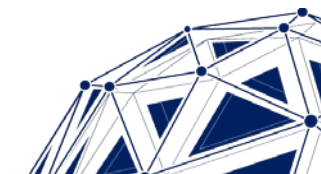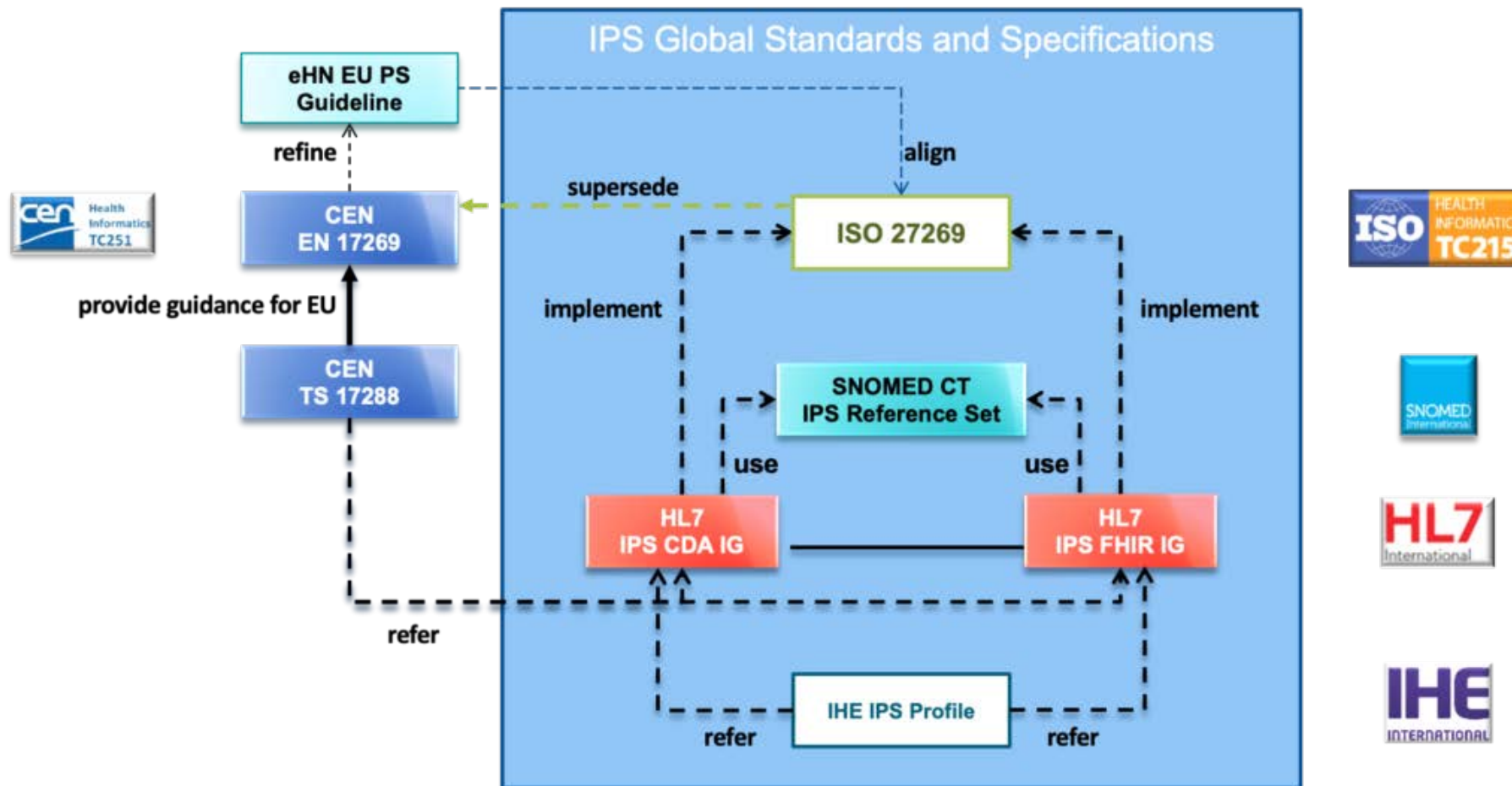
- The IPS is a FHIR Document (uses Composition)

- Contains human-readable & machine processable information

- Implements the ISO 27269 IPS Data Set using required attributes and "Must Support"

Bundle
- **Composition (1)**
- Patient (1)
- Practitioner (*)
- Organization (*)
- AllergyIntolerance (*)
- MedicationRequest(*)
- MedicationStatement(*)
- Condition (*)
- Immunization (*)
- Observation (*)
- Other Resources (*)

Composition

Elements that describe the document (id, language, text, etc.)

Subject of the IPS

Author of the IPS

Clinical Services of IPS

Sections of the IPS
-    Narrative Text
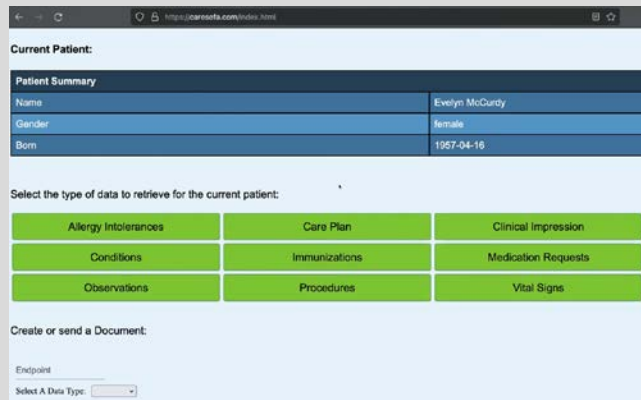-   Resource References

GLOBAL DIGITAL HEALTH PARTNERSHIP

IPS Around the World

National adaptation of IPS to regional information exchange

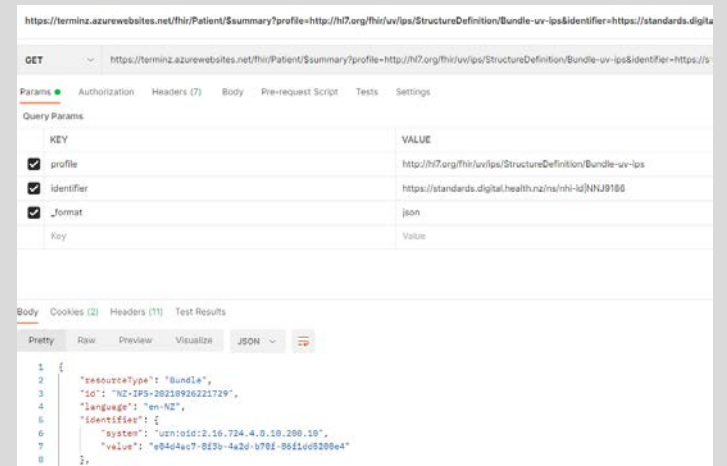Project-a-thon with exchange testing, content creation and vendor demo (March 2022)

Advanced IPS with G7 with major reports published in 2021:
https://www.gov.uk/government/publications/g7-health-track-digital-health-final-reports

Prototype of the IPS Exchange developed in 2021

IPS involvement in multiple Trans-Tasman Connectathons

Public server for IPS testing:
https://terminz.azurewebsites.net/fhir

Patient Mediated IPS Exchange

Tools for IPS Development

Validation

Viewing & Samples

http://www.ipsviewer.com

Includes link to GitHub with over 2 dozen international samples
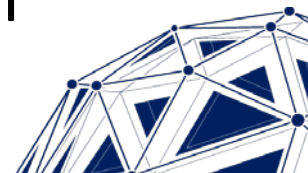
IPS & International Patient Access (IPA)

Standards Based Data (IPA & IPS)

Data Exchange

Users

System of Record

Cross-Border[1] → IPS Content Profiles → IPS Document

Conforms to IPA[2]

Universal[1] → IPA Content Profiles

Search & Query (FHIR-based APIs)

Multiple modalities for exchange
- IHE Profiles
- Patient-mediated
- Links

Human readable + structured terminology[3]

Clinician   Patient

Consumer Device

Medical Apps

Focus on structured data but content/terminology vary by geography and use case

Patient

Clinician

1. "Cross-Border" has an international focus but may be any organizational, regional, or national jurisdiction. "Universal" includes data access within and across borders as a baseline for international commerce.
2. Pending final ballot reconciliation of IPA and updates to IPS   3. IPS primarily uses the SNOMED IPS Terminology where most appropriate
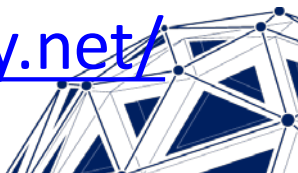
IPS: How to Get Involved?

Connectathons

- Upcoming GDHP Mini Connectathon June 14th
- Upcoming HL7 & IHE Connectathons

Development

- Weekly meetings on IPS & IPA on Wednesdays (see HL7 calendar)
- Follow latest version of the IPS here:
  http://build.fhir.org/ig/HL7/fhir-ips/

Updates

- Follow public website of GDHP Health: https://gdhp.health
- Follow public website of IPS: https://international-patient-summary.net/

Thanks & Questions

Thank you for your attention and happy to take questions

A Global Commitment to Digital Health

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