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EXPERIENCE
SESSIONS
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The IPS - a foundation for building global vaccination certificates



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Health record extract

- Snapshot in time of a subject of care's health information and healthcare
- **Not a full EHR!**

International

- generic solutions for **global application** beyond a particular region or country.

Scoped

- Designed for **Unscheduled** (cross-border) **care**
- ...but it provides a **base-line usable also within other scheduled or planned care cases.**

IPS: a cross SDO initiative

CEN/TC 251, ISO/TC 215, HL7, IHE, SNOMED CT, JIC

Health record extract

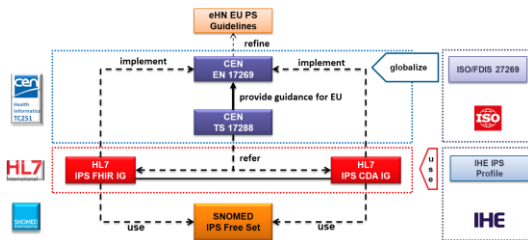
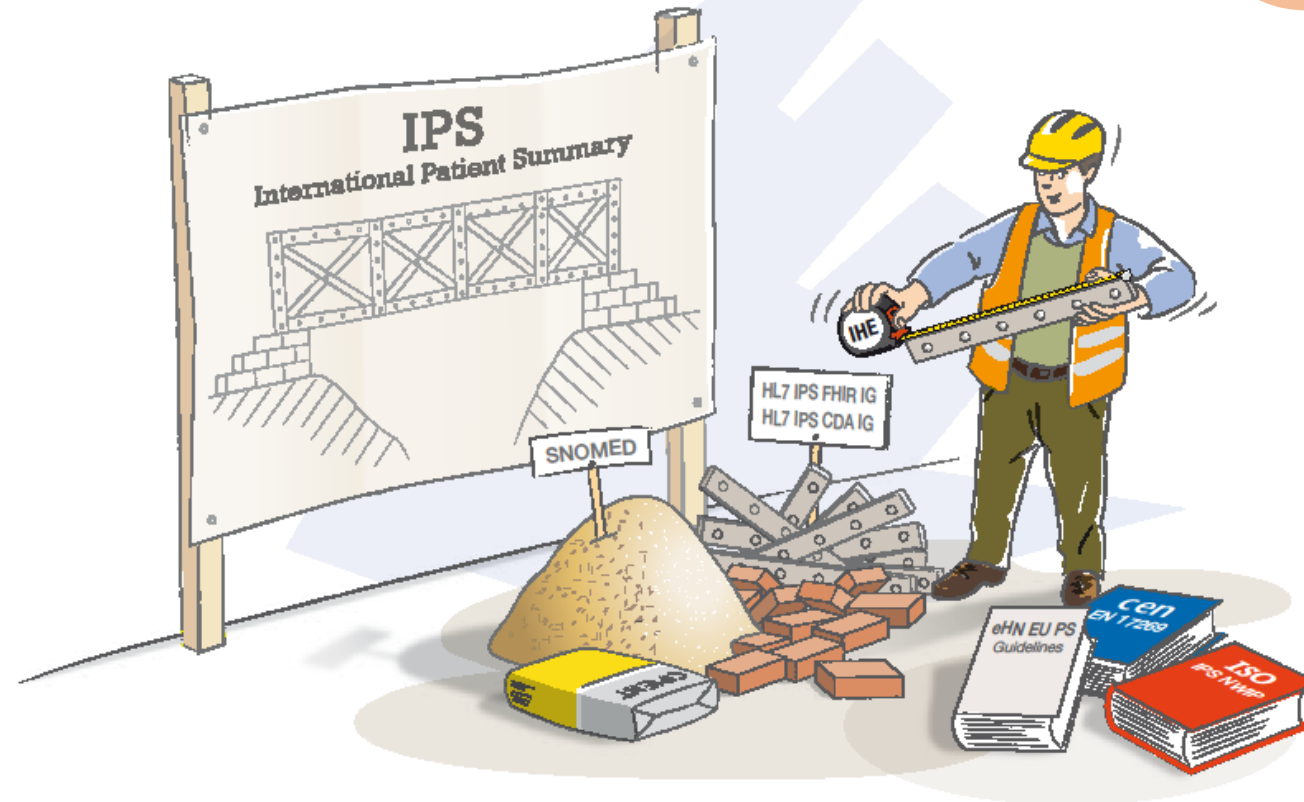
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Integrating the Healthcare Enterprise



**IHE Patient Care Coordination
Technical Framework Supplement**

**International Patient Summary
(IPS)**

HL7[®] FHIR[®] R4

Using Resources at FMM Level 0-N

Revision 1.1 – Trial Implementation

Date: June 17, 2020
Author: PCC Technical Committee
Email: pcc@ihe.net

Please verify you have the most recent version of this document. See [here](#) for Trial Implementation and Final Text versions and [here](#) for Public Comment versions.

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https://www.ihe.net/uploadedFiles/Documents/PCC/IHE_PCC_Suppl_IPS.pdf

14/06/2021



HL7 International **International Patient Summary Implementation Guide** 1.0.0 - CI Build

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International Patient Summary Implementation Guide, published by Health Level Seven International - Patient Care Work Group. This is not an authorized publication; it is the continuous build for version 1.0.0). This version is based on the current content of <https://github.com/HL7/fhir-ips/> and changes regularly. See the [Directory of published versions](#).

1 International Patient Summary Implementation Guide

An **International Patient Summary (IPS) document** is an electronic health record extract containing essential healthcare information about a subject of care. As specified in EN 17269 and ISO/DIS 27269, it is designed for supporting the use case scenario for 'unplanned, cross border care', but it is not limited to it. It is intended to be international, i.e., to provide generic solutions for global application beyond a particular region or country.

The IPS dataset is **minimal and non-exhaustive; specialty-agnostic and condition-independent; but still clinically relevant.**

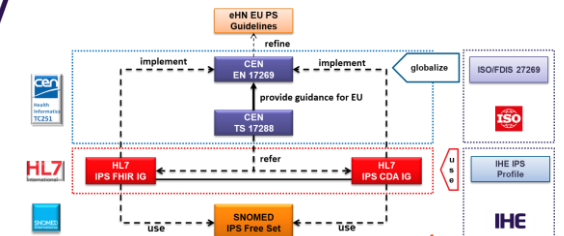
The IPS document is composed by a set of robust, well-defined and potentially reusable sets of core data items (indicated as IPS library in the figure below). The tight focus of the IPS on unplanned care is in this case not a limitation, but, on the contrary, facilitates their potential re-use beyond the IPS scope.

Figure 1: The IPS product and by-products

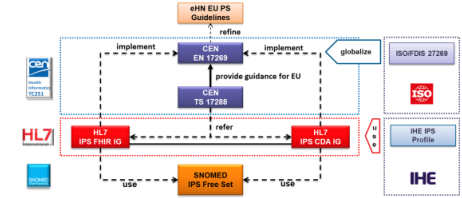
- Purpose
- Project Background
- Project Scope
- Relationships with Other Projects and Guidelines
- Ballot Status
- Authors and Contributors



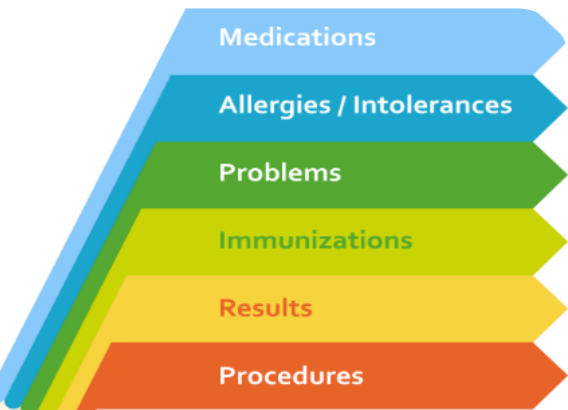
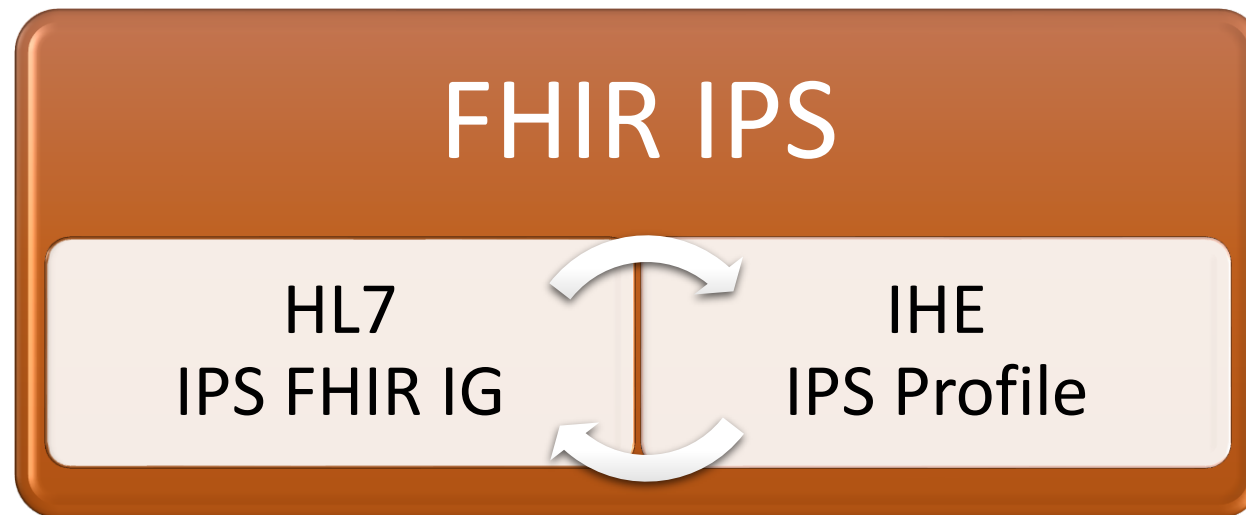
<https://build.fhir.org/ig/HL7/fhir-ips/>
<http://hl7.org/fhir/uv/ips>



The IPS - a foundation for building global vaccination certificates

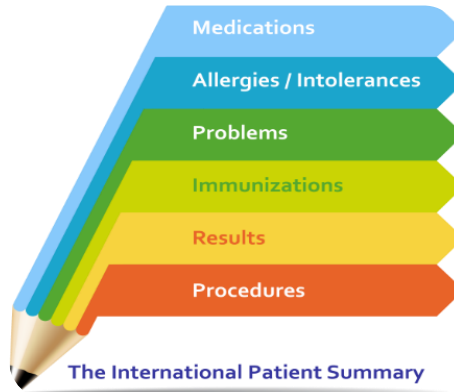


There is only one FHIR IPS !

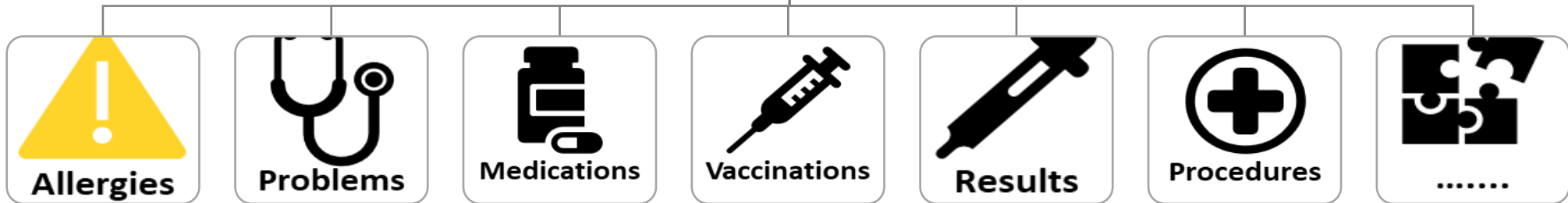


The International Patient Summary

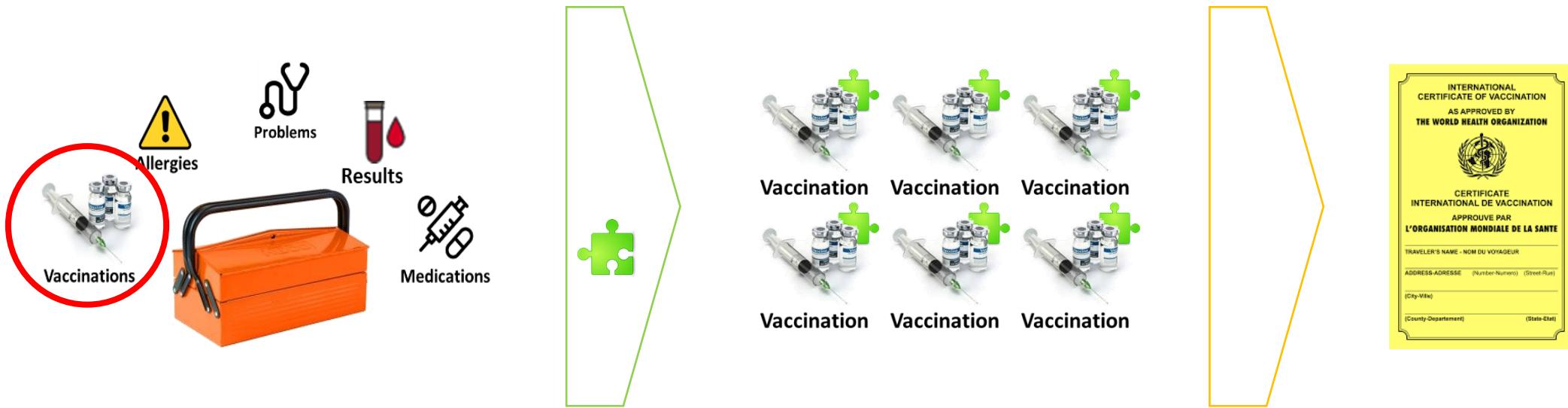
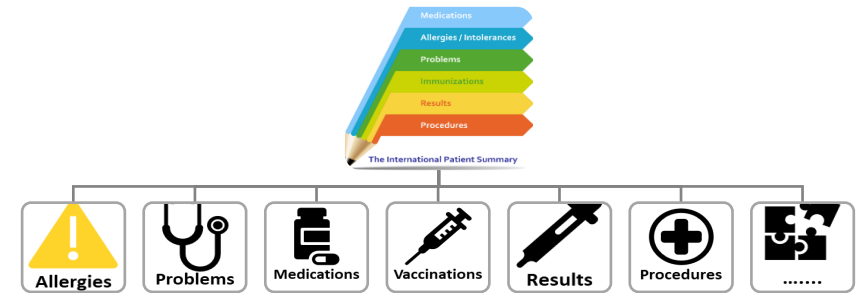
A document composed by reusable profiles



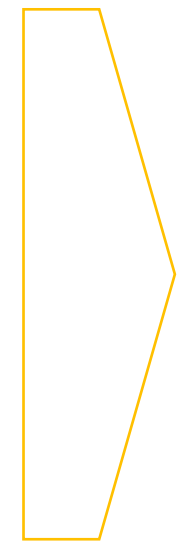
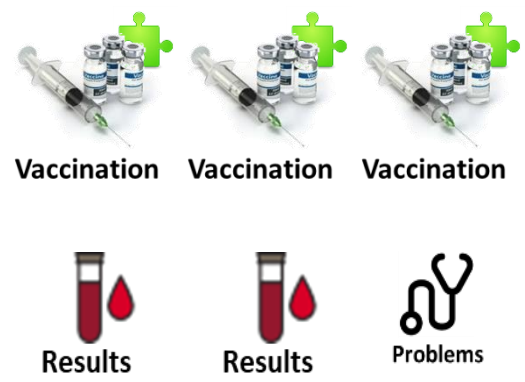
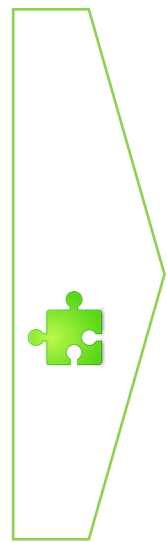
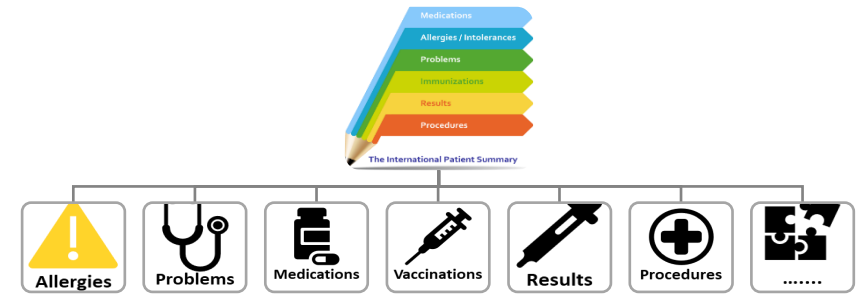
The IPS “library” of profiles



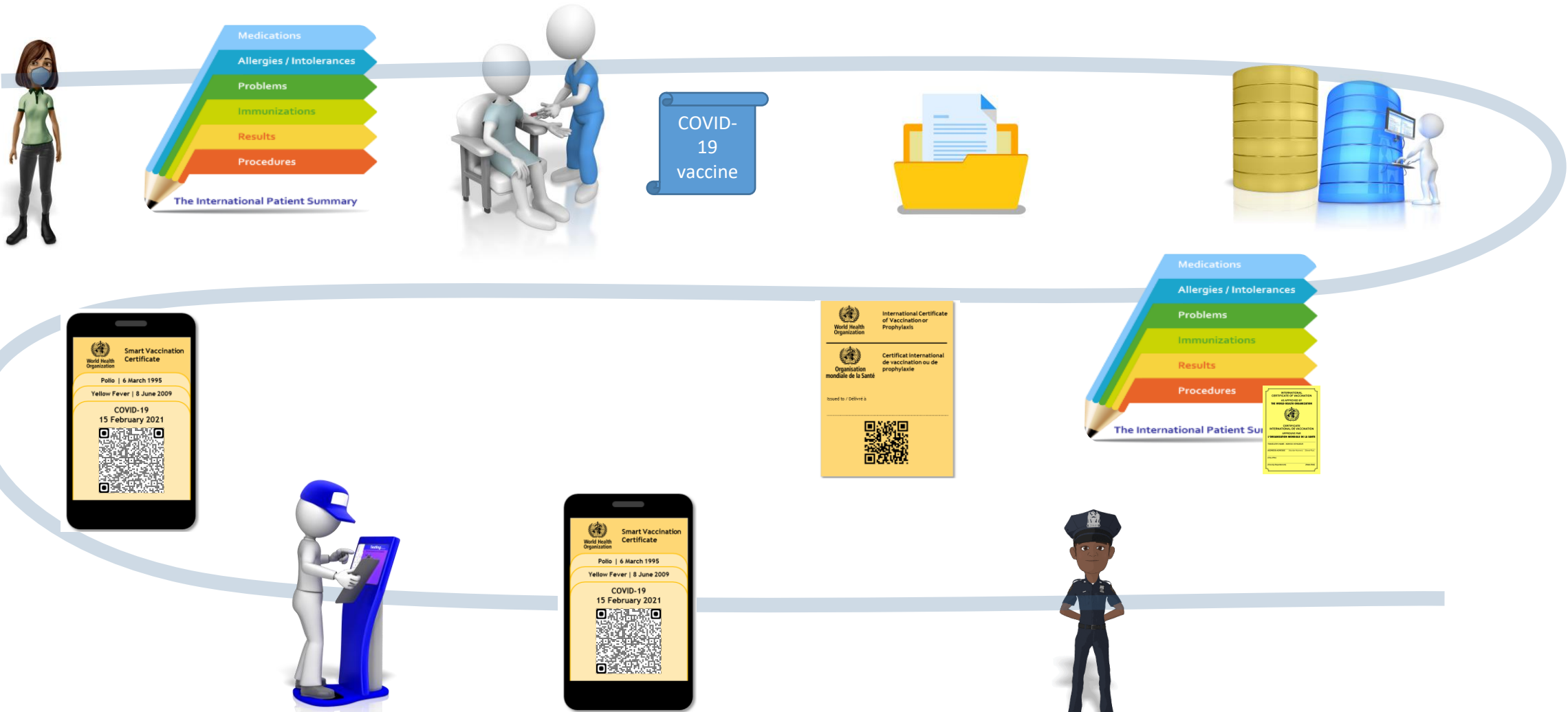
Building vaccination certificates



Building vaccination certificates



Adelle's vaccination journey



The envisioned approach

International Patient Summary

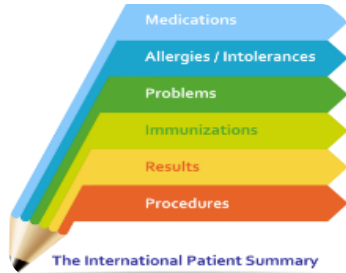
ISO TS 5384 Data Elements for the Identification and Exchange of Immunization



The envisioned approach

The “Immunization” IPS

The IPS



Digital Certificate (EU DCC (JSON + QR code))

INTERNATIONAL CERTIFICATE OF VACCINATION OR PROPHYLAXIS
Certificat international de vaccination ou de prophylaxie

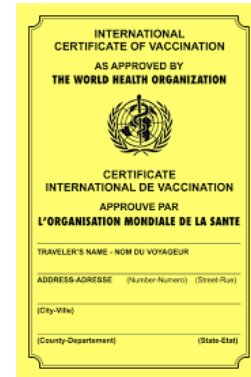
This is to certify that (1) Jane Mary Doe (2) 22 March 1960 (3) F United States
Nom certifié que (name - nom) (date of birth - date) (sex - sexe) (nationality - nationalité)

(passport number) whose signature follows (3) Jane Mary Doe
International identification document, if applicable - document d'identification national, le cas échéant (date of signature - date de la signature suit)

has on the date indicated been vaccinated or received prophylaxis against (4) Yellow Fever in accordance with the International Health Regulations
a été vacciné(e) ou a reçu une prophylaxie à la date indiquée (name of disease or condition - nom de la maladie ou des infections) (in accordance with the International Health Regulations - conformément au Règlement sanitaire international)

Vaccine or prophylaxis Vaccin ou agent prophylactique	Date	Signature and professional status of supervising clinician Signature et titre du professionnel de santé responsable	Manufacturer and batch no. of vaccine or prophylaxis Fabricant de vaccin ou de l'agent prophylactique et numéro de lot	Certificate valid from until Certificat valable à partir de : jusqu'à	Official stamp of the administering center Cachet officiel du centre habilité
(4) Yellow Fever	(5) 15 June 2018	(6) Jane M. Smith, MD	(7) [Batch (or lot) #]	(8) 25 June 2019, 1. Fe of per SDM vaccinated	

Transform



FHIR Vaccination Certificate (e.g., WHO DDCC; VCI)

- The IPS is a recognized **baseline** for global sharing of health data, including vaccinations
 - Selected by the GDHP Interoperability workstream for promoting the global implementation of the IPS FHIR standard for patient summary data exchange
- The IPS is the result of a **collaborative effort** of multiple standards organizations to develop and promote common global specifications
- The IPS provides a **global foundation** for building the vaccination certificate (see e.g., WHO DDCC)