International Patient Summary

A Global Standard with Local Implementation Requirements

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Patient Summary in the EHDS

- *Priority categories of personal electronic health data for primary use (Article 5)*
  - 1. (a) patient summaries

- MyHealth@EU – current status
  - 7 EU countries make patient summaries available
  - 9 EU countries enable doctors to retrieve patient summaries
  - many more in the "pipeline" – will be mandatory as per the EHDS
  - national scale-up is still an issue in some countries

What is a Patient Summary

- a 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.
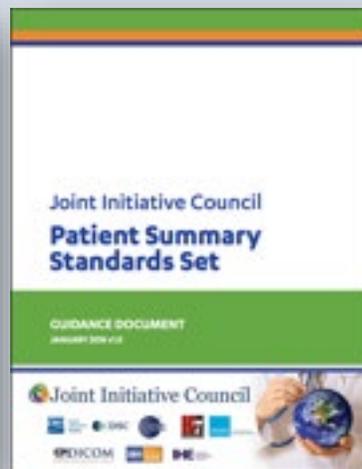

Medications
Allergies / Intolerances
Problems
Immunizations
Results
Procedures

The International Patient Summary

Source: ISO/TR 12773-1:2009 *Business requirements for health summary records — Part 1: Requirements* https://www.iso.org/standard/51683.html

How did the IPS come about?

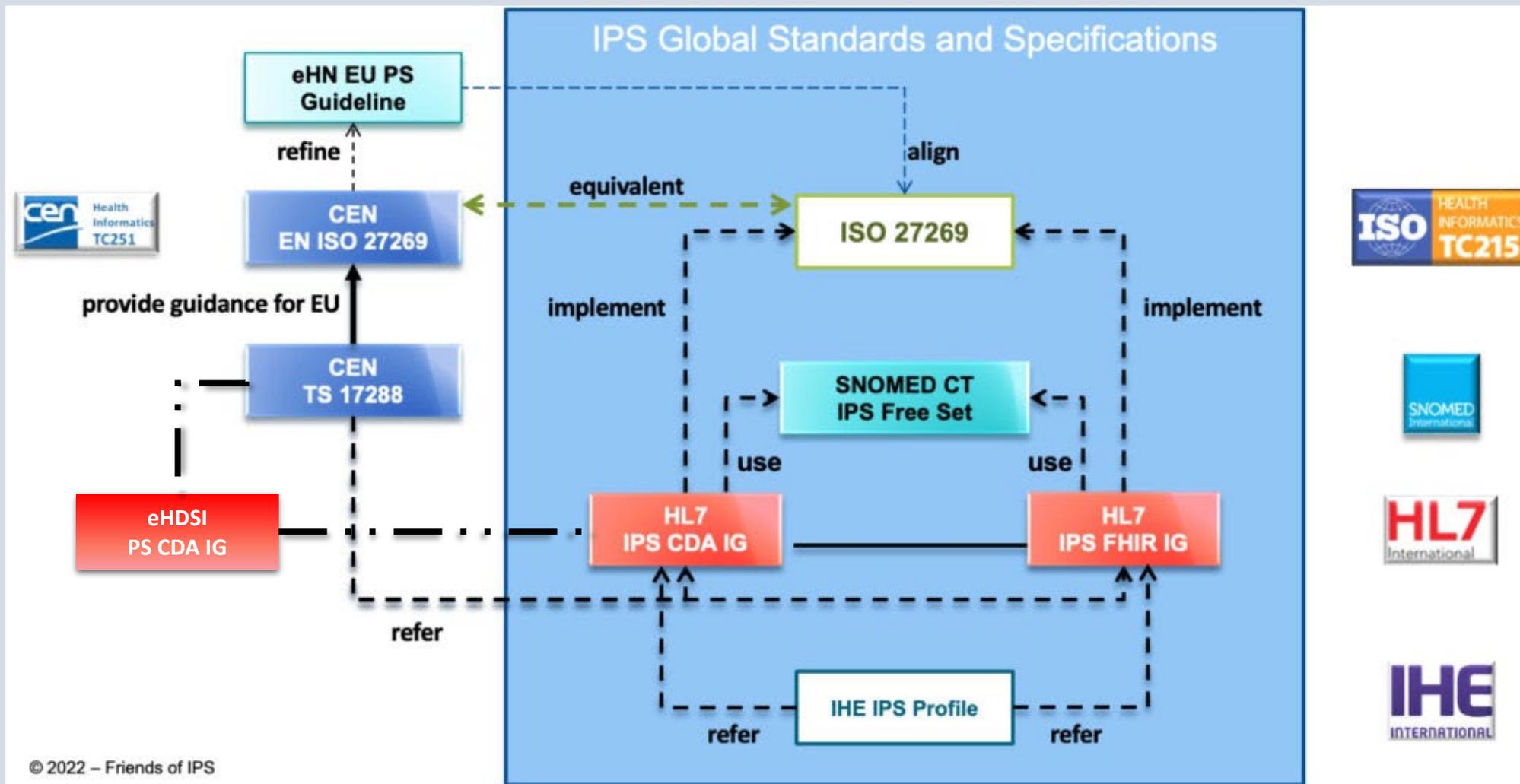European Initiatives

2017-2021

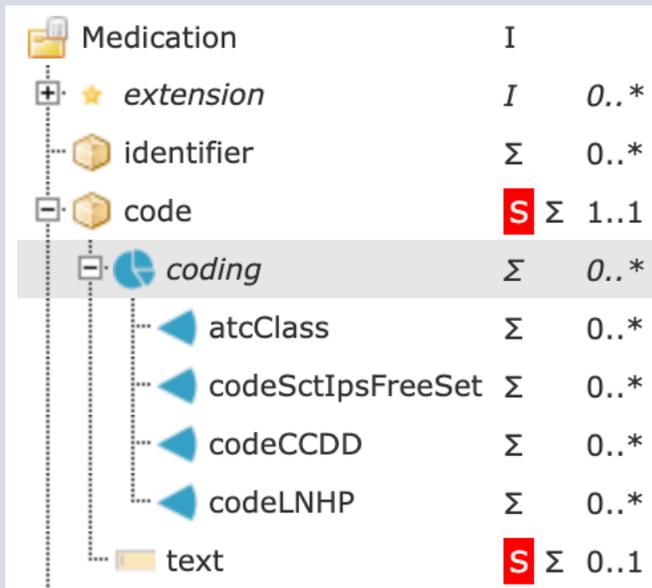2009-2016

2017-2018

The IPS is not just ONE standard

Local implementations – two examples

Canada

Netherlands

The coded medication can be expressed as:

- GTIN International Article Number
- ZI-nummer (2.16.840.1.113883.2.4.4.8)
- Trade product code (HPK)
- Prescription code (PRK)
- Generic product code (GPK)
- Anatomic Therapeutic Classification code (ATC)
- Substance Name Code (SNK)
- Substance Name Code, in combination with Route of Administration (SSK)
- SNOMED CT code

Medication in MyHealth@EU (CDA IG)

The element is used to convey a regional/national medicinal product code or MPID compliant with the IDMP system.

The element MUST **NOT** be used to convey:

- ATC code (see generalizedMaterialKind instead)
- PCID code compliant with the IDMP system (containerPackagedMedicine.code to be added later for this use)

The <originalText> under the code MAY be included, but is not expected to be processed by the recipient of the document. If included, it SHALL contain a <reference> whose URI value points to the generic name and strength of the medication in the narrative, or just the generic name alone if strength is not relevant.

If the code is not available, the whole field SHOULD be skipped.

Medication in the IPS

Name	Flags	Card.	Type
🗀 Medication		0..*	Medication
└ 🔶 code	**S**	1..1	CodeableConceptIPS

Medication that was administered or was to be administered (medication code from any code system)
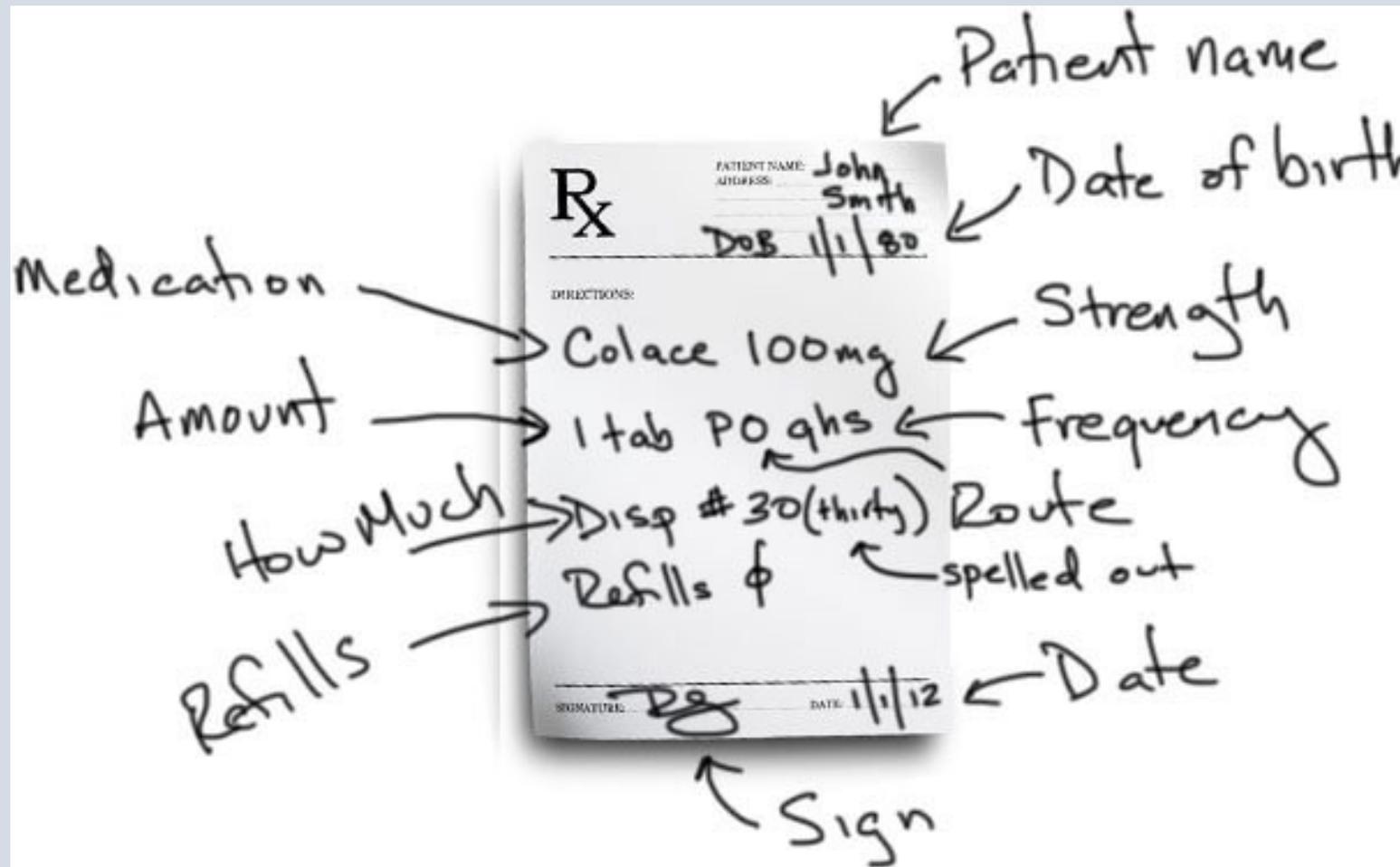
Binding: Medications - SNOMED CT + Absent/Unknown (IPS) (preferred): SNOMED CT medications (Pharmaceutical / biologic product) or a code for absent/unknown medication

Additional Bindings	Purpose
Medications - SNOMED CT IPS Free Set	Candidate Validation Binding
WHO ATC - IPS	Candidate Validation Binding
Absent or Unknown Medication - IPS	Candidate Validation Binding

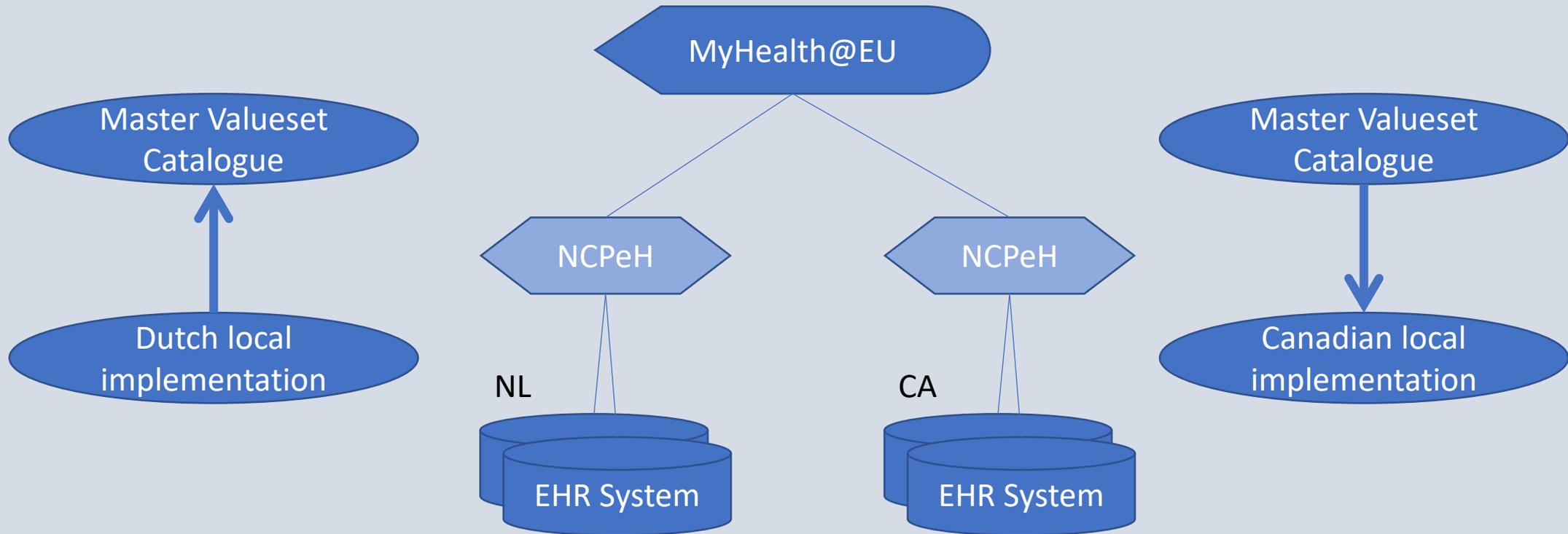| Name	Flags	Card.	Type	Description & Constraints
🗀 CodeableConcept		0..*	CodeableConcept	Concept - reference to a terminology or just text
└ 🔶 coding	**S**	0..*	CodingIPS	A reference to a code defined by a terminology system
└ ▭ text	**S** Σ	0..1	string	Plain text representation of the concept

Medication in real life

So who makes the translation?

- ePrescribing software modules
  - Usability and User Experience for clinicians
- Medicinal Product Dictionaries
  - Support ePrescribing with names, codes, dose forms, packages, etc.
  - Also used by pharmacies for dispensing, invoicing, etc.
- National Drug Databases
  - Provide the details on all authorized medicinal products
- Global Drug Databases
  - Provide linkage based on substance(s), strenght(s) and dose form
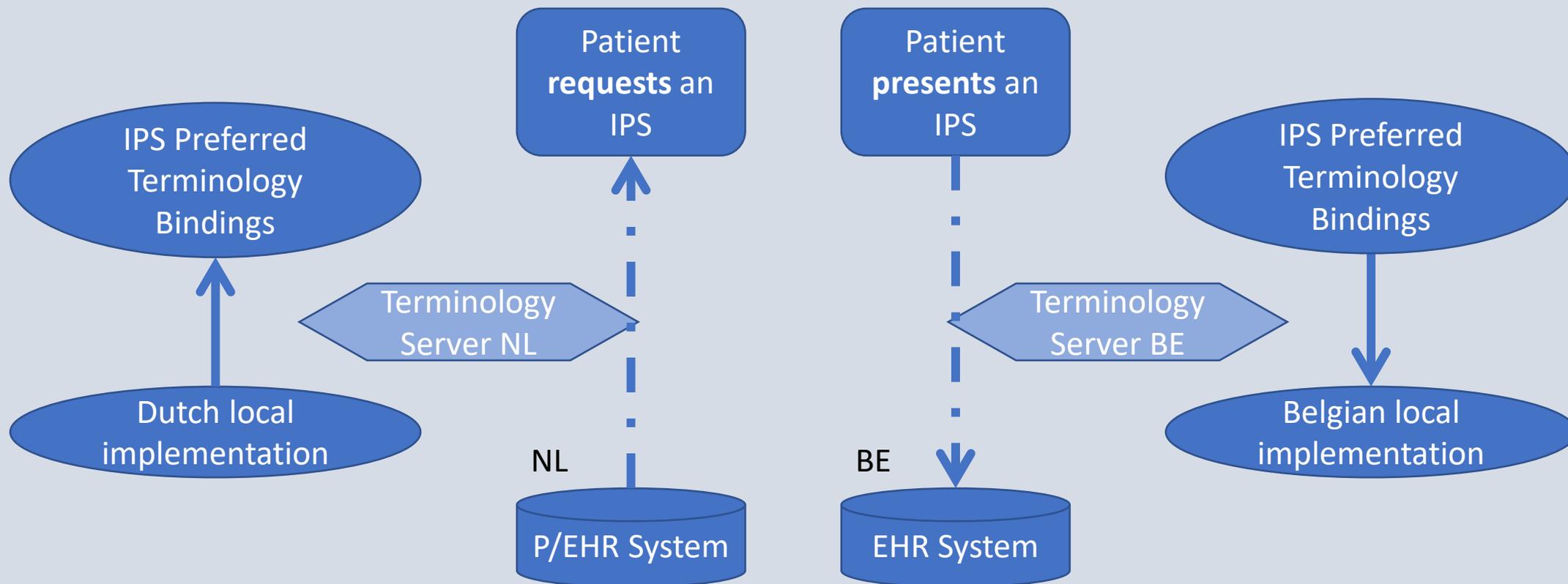 - A unique global PhPID could be provided and included everywhere

Translations in MyHealth@EU

Translations for the IPS

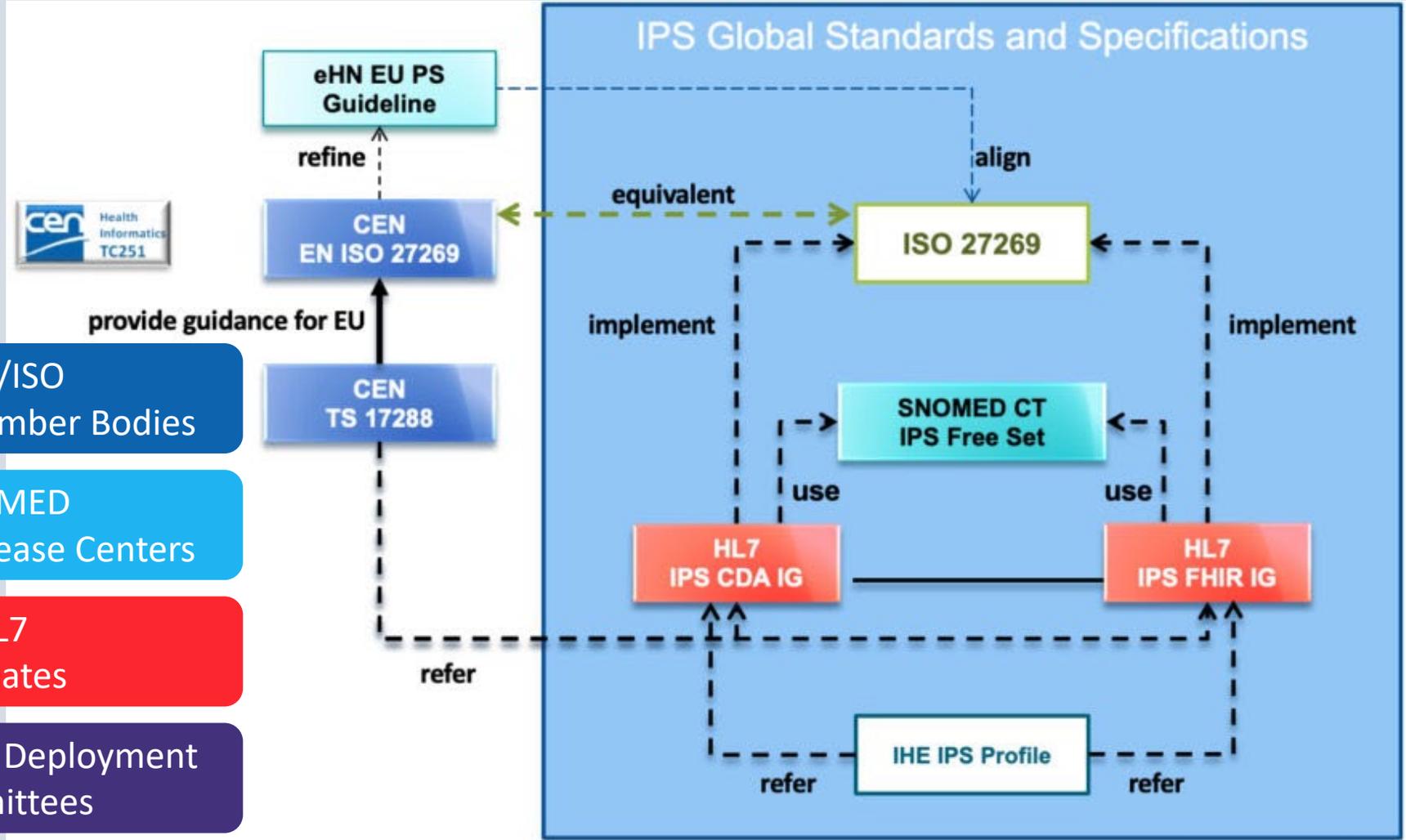# Coordinated development is needed

National/Regional Implementations

CEN/ISO National Member Bodies

SNOMED National Release Centers

HL7 Affiliates

IHE National Deployment Committees

Questions, Suggestions, Ideas?

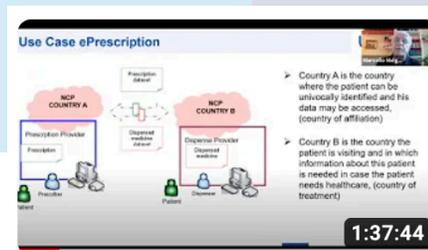https://www.international-patient-summary.net

The International Patient Summary
key health data, worldwide

Implementations across the Globe

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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.

https://www.youtube.com/@UNICOM-IDMP

UNICOM - Community of Expertise: Cross-border ePrescription - standards, terminologies, processes

UNICOM • 216 views • Streamed 1 year ago

This video focuses on the very use case of people travelling across countries providing insights on the current experiences and projects aiming at cross-border information sharing for ePrescribing....

https://unicom-project.eu/