



HL7 HELLAS FHIR WG: EUROPEAN STANDARDIZATION IN GREECE UNDER EHDS

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HL7 INTERNATIONAL

- **Health Level Seven (HL7)** is an **ANSI**-accredited Standards Developing Organization (**SDO**) operating in healthcare arena
- Provides standards for data exchange to allow **interoperability** between healthcare information systems
- HL7 focuses on the **clinical and administrative** data domains
- It is a **not-for-profit** organization made up of volunteers – providers, payers, vendors, government
- Key goal is **syntactic and semantic interoperability**

HL7 Messaging Standards

v2.x



v3



 **FHIR**



F

H



I

R



Fast



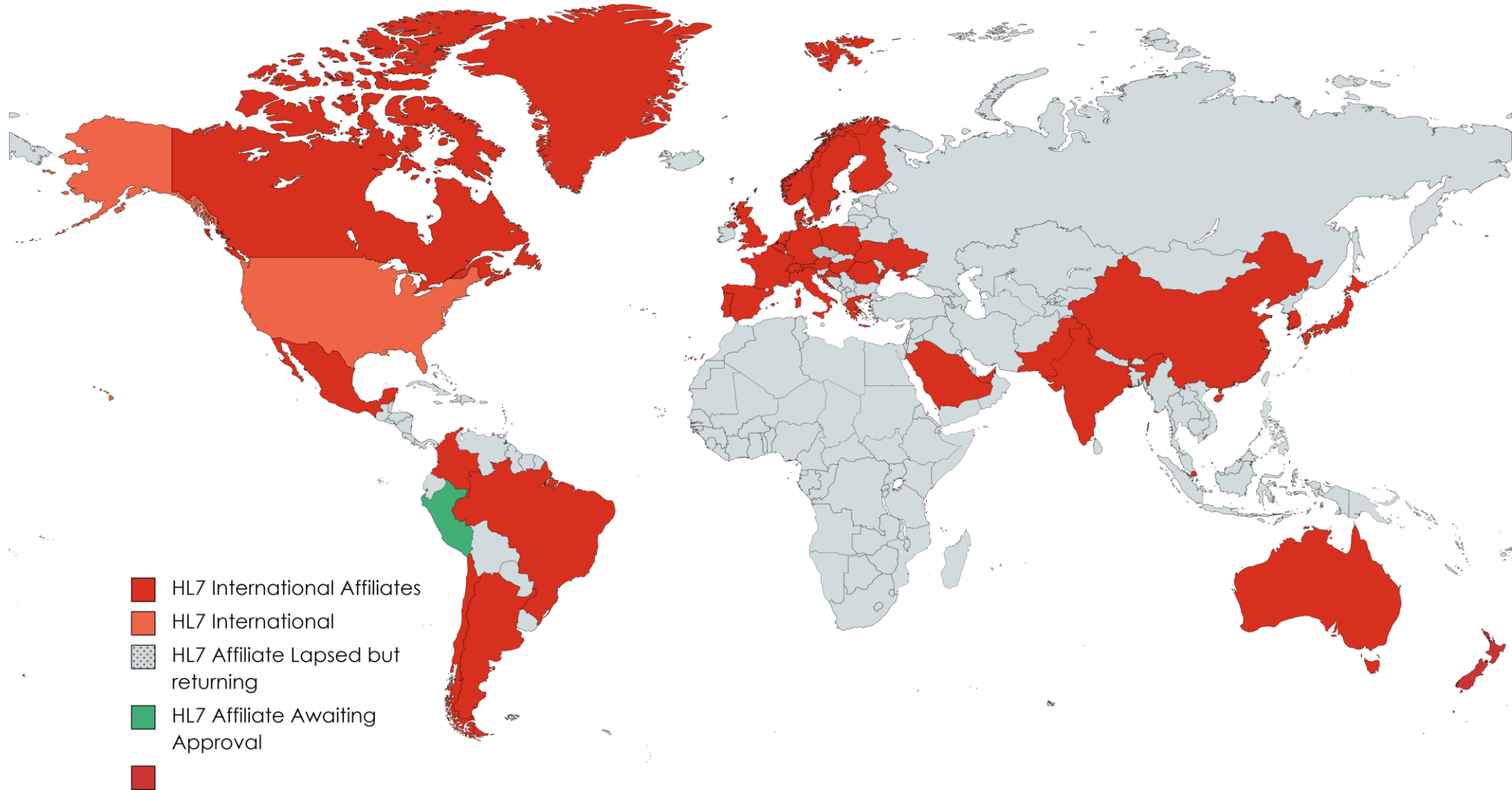
Healthcare



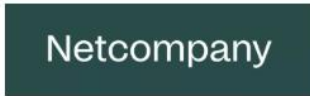
Interoperability

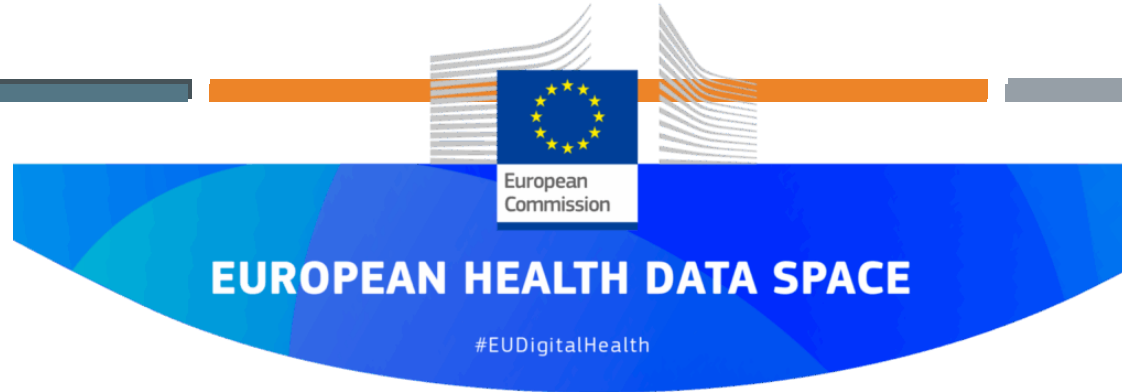


Resources



HL7 HELLAS





EHDS

- **EU-wide framework** to improve care delivery, enable safe re-use of health data, and grow a single market for digital health.
- **Proposal:** European Commission tabled the EHDS regulation on **3 May 2022**.
- **Political agreement:** Parliament & Council reached a provisional deal in **March 2024**.
- **Adoption & publication:** Regulation adopted and **published on 5 Mar 2025** in the OJ; **enters into force on 26 Mar 2025** (phased application follows).
- **26 Mar 2027: Start of application** (most provisions apply from this date).
- Staged obligations:
 - **26 Mar 2029:** First priority categories & related EHR system obligations begin. EUR-Lex
 - **26 Mar 2031:** Next priority categories; Art. 14 of Dir. 2011/24/EU repealed the same day. EUR-Lex+ I
- **What it does:** Advances cross-border **primary use** exchange and creates infrastructure for **secondary use** (anonymised/aggregated data) for research & innovation; references **EEHRxF** and sets compliance duties for national infrastructures and industry.



EEHRXF

- **European EHR Exchange Format** from the **Feb 2019 Commission Recommendation (EU) 2019/243**: framework for **secure, interoperable, cross-border** EHR exchange.
- Under **EHDS**, EEHRxF becomes the practical baseline many infrastructures and vendors must align to (phased compliance).
- EU projects (e.g., **XpanDH**, **xShare**) are operationalizing specs and guidance for adoption
- **EEHRxF** defines *what* must be exchanged across borders; it relies on international SDOs for *how* to model & exchange it.
- **HL7** standards provide the health data models and exchange patterns used by EEHRxF participants. **FHIR (by HL7)** is the leading API & data model used to implement EEHRxF use cases (patient summary, labs, meds, allergies).
It enables consistent **profiles, terminology bindings, search params, and conformance** that national guides (like GRC Core) can adopt.



PROBLEM & OPPORTUNITY

- **Fragmented** national implementations → inconsistent APIs & vocabularies
- EHDS & EEHRxF require **cross-border consistency**, not point solutions
- Greek stakeholders need a **governed FHIR baseline** now
- Opportunity: **align once (Base/Core)** and reuse across programs (IDIKA, EOPYY, MoH, vendors)



FHIR WORK GROUP – HL7 HELLAS - ESTABLISHING THE NEED

- FHIR is now a **mature** and widely accepted standard **globally**.
- FHIR **workgroups exist** across **many HL7 affiliates**, especially in Europe.
- Upcoming **national projects** and initiatives require a robust framework for data interoperability.
- The upcoming **EHDS** initiative aims to promote health data sharing across Europe.
- Establishing a **FHIR Work Group** now positions Greece to effectively participate and benefit from the EHDS.



HL7 HELLAS FHIR WORK GROUP - MISSION

“To support the adoption, implementation, and advancement of FHIR (Fast Healthcare Interoperability Resources) standards in Greece, enhancing healthcare interoperability and improving patient outcomes.”

“Να υποστηρίξει την υιοθέτηση και την εξέλιξη των προτύπων HL7 FHIR, προσαρμοσμένων στο ελληνικό σύστημα υγείας, ενισχύοντας ουσιαστικά τη διαλειτουργικότητα και βελτιώνοντας τα αποτελέσματα για τους ασθενείς”



SCOPE AT A GLANCE

- **GRC Base IG** (Informative): realm guidance, identifiers, baseline profiles, terminology bindings
- **GRC Core IG** (STU): minimal conformance sets, interactions, must-support, search params, examples
- In **scope** v0.1: patient summary domains (demographics, problems, meds, allergies), org/practitioner/location, provenance
- **Out of scope** v0.1: secondary use (EHDS Part II), CDS logic, ePrescription specifics



GOVERNANCE & ROLES (RACI SNAPSHOT)

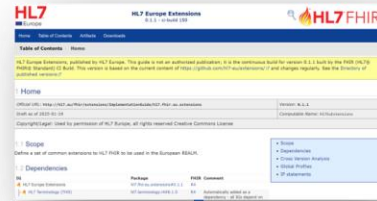
- **Sponsor WG (A):** HL7 Hellas FHIR WG / IDIKA
- **Co-sponsors (C):** HL7 Europe CIC; HL7 Europe EHR WG (advisory)
- **Domain Experts (R):** MoH, IDIKA, EOPYY, EKAPTY
- **Implementers (R):** at least 2 vendor/agency pilots per flow



ALIGNMENT & DEPENDENCIES

- **Standards:** IPS, EU Laboratory IG, EU Base/Extensions
- **Frameworks:** EHDS, EEHRxF processes & data domains
- **National:** OIDs/URI policy, national registries (HCP/Org/Facilities)
- **Tooling:** HL7 IG Publisher, CI builds, validation pipelines

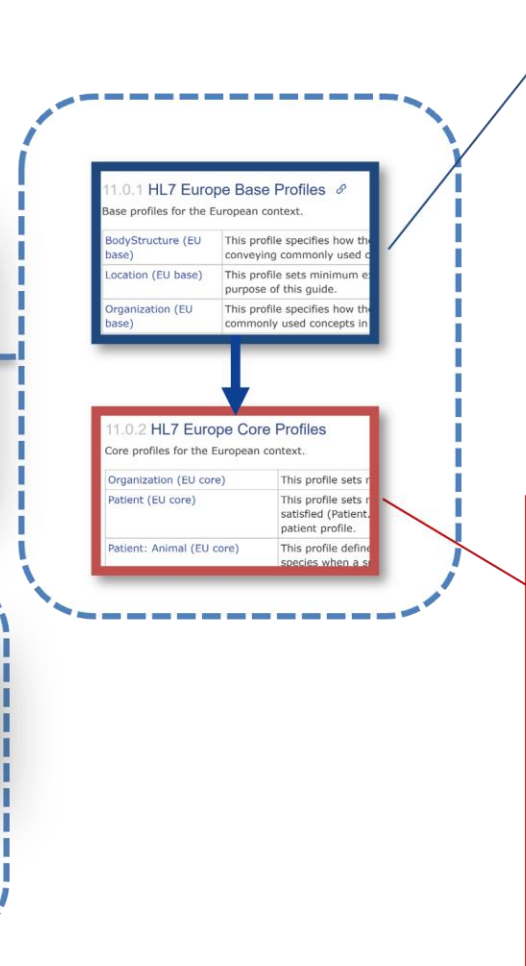
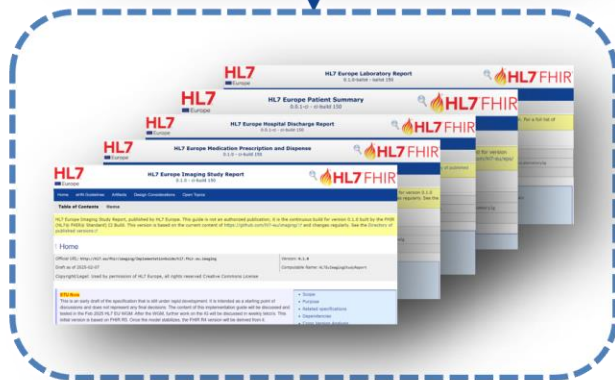
**Extensions
(R4/R5)**



**Base and Core
(R4/R5)**



**Scoped HL7 EU IGs
(R4/R5)**

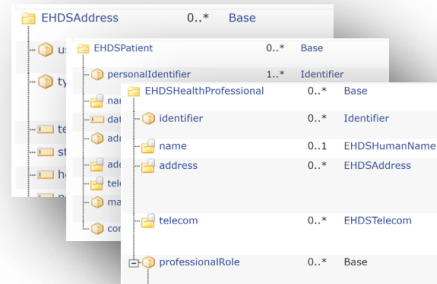


Base

- **Baseline** for all HL7 Europe profiles.
- **Loosely constrained**, providing a flexible foundation.
- **Rarely used “as is”**, but always extended or specialized.

Core

- Defines **essential constraints** that cut across many use cases.
- Serves as the **first reference point** for the large majority of HL7 Europe FHIR IGs.
- Can often be used **“as is”**, without further refinement.
- Realizes the **common EHDS logical models** in practice.



EHDS Models

Base Profiles

11.0.1 HL7 Europe Base Profiles [↗](#)
Base profiles for the European context.

| | |
|-------------------------|--|
| BodyStructure (EU base) | This profile specifies how the conveying commonly used c |
| Location (EU base) | This profile sets minimum es purpose of this guide. |
| Organization (EU base) | This profile specifies how the commonly used concepts in |

Derived from

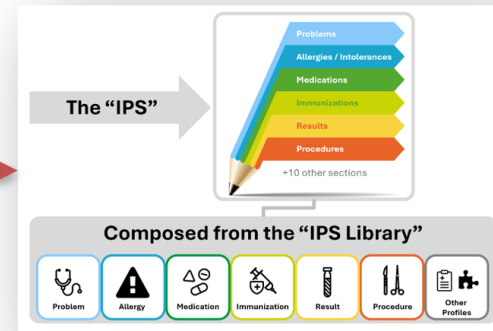
Realise

11.0.2 HL7 Europe Core Profiles
Core profiles for the European context.

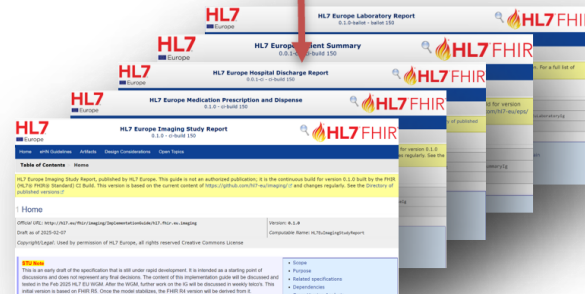
| | |
|---------------------------|--|
| Organization (EU core) | This profile sets r |
| Patient (EU core) | This profile sets r satisfied (Patient. patient profile. |
| Patient: Animal (EU core) | This profile define species when a s |

Pursue Alignment with

HL7 FHIR IPS



Used by



HL7 Europe IGs



TERMINOLOGY STRATEGY

- **Clinical:** ICD-10, SNOMED CT (licensing path), LOINC, UCUM
- **Medications:** ATC classifications, EDQM dose forms
- **National:** eΔΑΠΥ codes as applicable; Greek registry identifiers
- **Governance:** value-set authority table; change control process



MILESTONES & TIMELINE

- Jul 10, 2025: **Kick off**
- Nov 15, 2025: governance freeze; repos/CI live
- Jan 31, 2026: **Base IG** v0.1 draft ready
- Feb 2026: **Pilot** alignment workshop (IDIKA/EOPYY + vendors)
- Apr 30, 2026: **Core IG** v0.1 (STU draft)
- May–Jun 2026: Plugathon/Connectathon **testing**
- Sep–Oct–Dec 2026: Ballot prep → **Ballot** → Publication



<https://bit.ly/hl7gr>

FHIR WORK GROUP