

# **HL7 Europe WGM in Malaga: A preview**

Webinar, 27 October 2026  
14:00-15:00 CET

Online on Teams



# HL7 Europe WGM in Málaga: a preview

## Agenda

Introduction, Overview, Agenda – *Kai Heitmann*

HL7 Europe's strategic priorities at the WGM – *Giorgio Cangilioli*

Additional programme highlights – *Patrick Werner*

-- Q&A --

Practicalities, social events, wrap-up – *Kai Heitmann*

Report from Hospitals on FHIR in Pisa – *Stefano Dalmiani*

Host: *Luc Chatty*

# Housekeeping

- Your facilitator: Luc Chatty
- The webinar will be recorded; slides will be shared in pdf.
- To help ensure a successful webinar please:
  - Stay muted
  - Feel free to use reactions/emojis during the presentations
  - Use the chat to make comments or raise your questions
  - Raise your hand if you'd like to speak
  - If you are invited to speak, please turn on your video and say who you are

# HL7 Europe WGM in Málaga: a preview

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Shaping the Future of HL7® FHIR® in Europe



**HL7 Europe Working Group Meeting**  
**16-20 November 2026**  
**xShare Community Summit**  
**19-21 November 2026**

The background of the slide is a scenic photograph of Málaga, Spain, taken from an elevated position. The image shows the city's historic architecture, including the illuminated Alcazaba fortress on a hill and the Gibralfaro Castle. The foreground features lush green trees and a large, ornate building with multiple domes and arches. The sky is a soft mix of orange and pink, suggesting a sunset or sunrise.

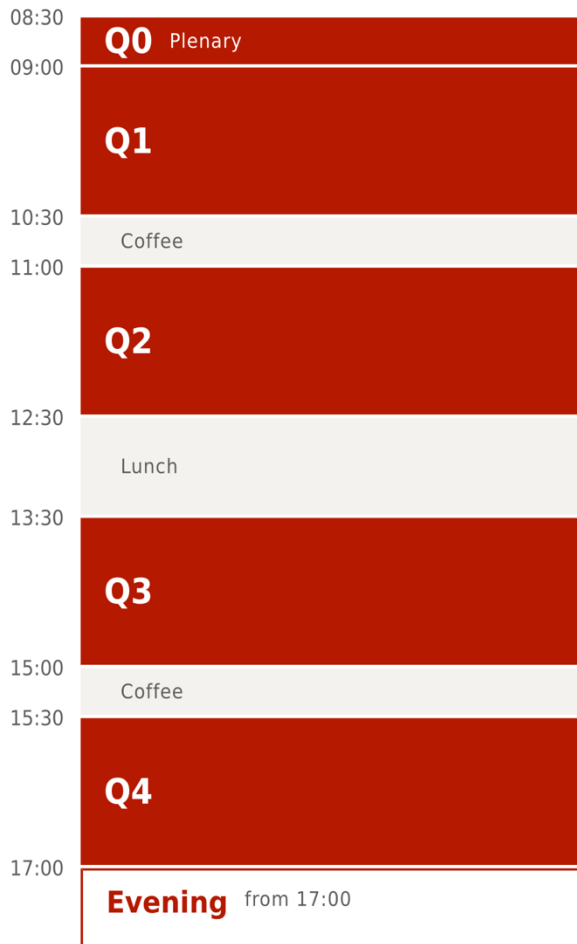
**Málaga,  
Spain**

# Introduction, Overview, Agenda

- Two events, one week, one hotel
  - The **HL7 Europe Working Group Meeting** runs from Monday 16 to Friday 20 November at the Hotel NH Málaga
  - The **xShare Community Summit** joins from Thursday afternoon and continues through Saturday 21 November

# Introduction, Overview, Agenda

- **Eighty-five sessions across six days**, in up to six parallel rooms, with 47 named speakers so far
- Monday opens with tutorials and the Technical Coordination Team (TNT)
- Tuesday is the fullest day with 23 sessions
- Wednesday has 14, Thursday and Friday 18 each, and Saturday closes with the xShare workshops



# Introduction, Overview, Agenda

## The day runs in quarters

Every session day follows this grid. Q0 is the plenary in Tauromaquia, Q1 to Q4 run in up to six parallel rooms.

# Introduction, Overview, Agenda

**Every session carries a code (kind of session)**



implementation guide work



tutorials and workshops



FHIR in an Instance



discussions



meetings / governance bodies



plenaries and ceremonies



xShare



networking

Shortest way to point at a session in conversation...

PROGRAMME

# HL7 Europe Working Group Meeting and xShare Community Summit

16-21 November 2026 · Hotel NH Málaga, Spain

**16**

Monday  
8 sessions

**17**

Tuesday  
22 sessions

**18**

Wednesday  
14 sessions

**19**

Thursday  
18 sessions

**20**

Friday  
16 sessions

**21**

Saturday  
3 sessions

# 16 Monday

Q0 · 08:30 – 09:00

**K07** Welcome note  
Minotauro

Q1 · 09:00 – 10:30

**N01** Networking – chat/coffee/tea  
Malagueta

**M01** Technical Coordination Team TNT Meeting  
Minotauro

Q2 · 11:00 – 12:30

**M02** Technical Coordination Team TNT Meeting  
Minotauro

Q3 · 13:30 – 15:00

**T01** Introduction and Overview – European EHDS-related FHIR IGs  
Malagueta

**W01** EU Base/Core  
Minotauro

Q4 · 15:30 – 17:00

**T02** Terminology bindings in FHIR IGs – different approaches  
Malagueta

**W02** EU Base/Core, CarePlan  
Minotauro

# 17 Tuesday

Q0 · 08:30 – 09:00

**K01** Morning Session: Opening Ceremony,  
Welcome Notes, Keynote Francisco (Paco)  
Perez

Tauromaquia

Q1 · 09:00 – 10:30

**T03** FHIR Validation ecosystem and testing  
approaches

Tauromaquia

**W03** Laboratory/Medical Test Result

Malagueta

**W04** European Common Cancer Model

Alborán

**M04** IHE Steering Committee

Jábega

**M03** HL7 Europe Board Meeting

Alcazaba

Q2 · 11:00 – 12:30

**T04** EHDS Terminology Infrastructure

Tauromaquia

**W05** Laboratory/Medical Test Result

Malagueta

**W06** European Common Cancer Model

Alborán

**M06** IHE Steering Committee

Jábega

**M05** HL7 Europe Board Meeting

Alcazaba

Q3 · 13:30 – 15:00

**D01** Decentralised infrastructures in EHDS

Tauromaquia

**W07** European Patient Summary EPS

Malagueta

**W08** European Common Cancer Model

Alborán

**M08** IHE Steering Committee

Jábega

**T16** Cities@Heart Project

Alcazaba

Q4 · 15:30 – 17:00

**T05** EU Wallet

Tauromaquia

**W13** EURIDICE: Imaging

Malagueta

**W10** European Common Cancer Model

Alborán

**M09** IHE Steering Committee

Jábega

**T17** Cities@Heart Project

Alcazaba

# 18 Wednesday

Q0 · 08:30 – 09:00

**K03** Morning Session: Keynote Fulvia Raffaelli, Announcements  
Tauromaquia

Q1 · 09:00 – 10:30

**F01** Render or Surrender: FHIR Text  
Tauromaquia

**W11** Medication Prescription and Dispense MPD  
Malagueta

**T06** Hands On FHIR – Testing sessions for EHDS-related FHIR IGs, MyHealth@MyHands, EMA SPOR PMS, and more  
Alborán

Q2 · 11:00 – 12:30

**T21** LOINC and UCUM  
Tauromaquia

**F02** 3T: transform, transcode, translate for the EHDS  
Malagueta

**T08** Hands On FHIR – Testing sessions for EHDS-related FHIR IGs, MyHealth@MyHands, EMA SPOR PMS, and more  
Alborán

Q3 · 13:30 – 15:00

**D02** Parts of Patient Summary as standalone services  
Tauromaquia

**T09** PhPID API for ePrescription systems  
Malagueta

**D03** EURIDICE – Working together for the EHDS: connecting Euridice with the broader ecosystem  
Alborán

Q4 · 15:30 – 17:00

**T10** SNOMED CT and SNOMED on FHIR  
Tauromaquia

**D07** The EEHRxF ecosystem after March 2027: the knowns, the unknowns, and the unknown unknowns – an i2X Policy Session  
Malagueta

**M10** EURIDICE: API Work Group Meeting  
Alborán

Q5 · FROM 17:00

**N03** Networking Reception  
Patio ingles

# 19 Thursday

Q0 · 08:30 – 09:00

**K04** Morning Session: Keynote Jan-Eric Slot, Announcements  
Tauromaquia

Q1 · 09:00 – 10:30

**D08** EHDS terminology challenges and collaboration from the SDOs viewpoint  
Tauromaquia

**W15** Clinical Guidelines & Knowledge Content  
Malagueta

**T12** FHIR Mapping Language FML and CDA to FHIR Mapping  
Alborán

**D06** Hospitals on FHIR AI WG, Cybersec WG  
Alcazaba

Q2 · 11:00 – 12:30

**M11** ESHIA General Assembly  
Alcazaba

**D04** National implementations of EHDS  
Tauromaquia

**T07** FHIR IG Publishing  
Malagueta

**T22** AI Transparency  
Alborán

Q3 · 13:30 – 15:00

**X01** xShare Consortium Meeting  
Malagueta

**T13** MyHealth@EU crossborder services – the basics and state of play  
Tauromaquia

**F03** Analytics on FHIR – Progress of SQL on FHIR specification, FHIR to OMOP sub-project  
Alborán

**T24** Maintaining FHIR IGs with AI Agents  
Alcazaba

xShare Consortium Meeting from 13:00 · partners only

Q4 · 15:30 – 17:00

**D05** Secondary Use for Primary Use Implementers  
Tauromaquia

**T20** Tooling to compare national implementation guides with the EU IGs  
Alborán

**M14** European Advisory Council EAC  
Alcazaba

Q5 · FROM 17:00

**N04** Farewell-Champagne  
Patio ingles

**N05** xShare Dinner (on your own expenses) outside the hotel

# 20 Friday

xShare Community event 09:30-17:30 · open to all

Q0 · 08:30 – 09:00

**K06** Morning Session: Closing Ceremony,  
Keynote Henrique Martins

Tauromaquia

Q1 · 09:00 – 10:30

**W09** (Hospital) Discharge Report HDR/DR

Malagueta

**W16** Medication Prescription and Dispense  
MPD

Alborán

**X03** xShare Summit Opening Session: Wel-  
come, Keynote – The xShare Gold Industry  
Label in Cataluña, Panel – National, regional,  
local digital health ecosystems

Tauromaquia

**X09** xShare Session 1: Beyond the EEHRxF:  
new priority data categories IPS+ and Care  
Plans

Tauromaquia

Q2 · 11:00 – 12:30

**X04** xShare Session 2: Only once principle  
– bridging care with public health and clinical  
research

Tauromaquia

**W14** EURIDICE: Imaging

Malagueta

**T15** Clinical Modeling

Alborán

Q3 · 13:30 – 15:00

**X05** xShare Session 3: The Yellow Button  
Movement: adoption sites and industry in-  
novators

Tauromaquia

**M12** European FHIR IG Management Group

Malagueta

Q4 · 15:30 – 17:00

**M13** European FHIR IG Management Group

Malagueta

**X06** xShare Session 4: Nailing implementa-  
tion of the Format: Procurement and Capa-  
city Building

Tauromaquia

**X10** xShare Session 5: Joining forces to  
measure progress in EHDS adoption

Tauromaquia

**X11** xShare Session 6: Beyond xShare: ad-  
option roadmap for EEHRxF and ESHIA  
business model

Tauromaquia

Q5 · FROM 17:00

**X13** xShare Community Dinner

room tbc

# 21 Saturday

xShare only · 10:00-12:00 partners, then farewell lunch

Q1 · 09:00 – 10:30

**x07** xShare Workshop #1: EEHRxF and Yellow Button adoption roadmap

Malagueta

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Q2 · 11:00 – 12:30

**x08** xShare Workshop #2: Moving forward with Care Plans as a priority data category

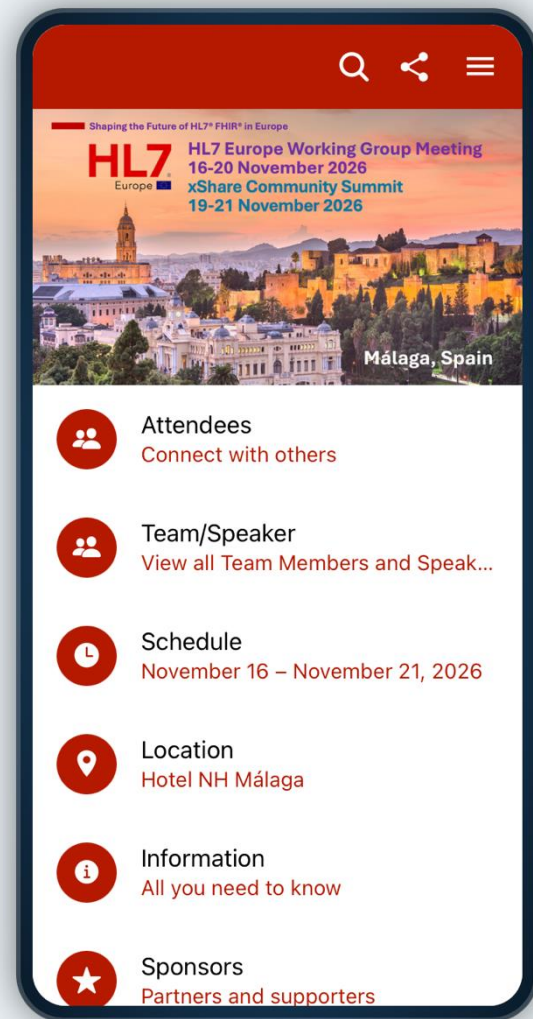
Malagueta

# Introduction, Overview, Agenda

- The app is the programme  
[hl7eu.lineupr.com/malaga2026](http://hl7eu.lineupr.com/malaga2026)
- ... carries the current state, session descriptions and agendas etc, including room changes made on site.
- The poster are snapshots of the event



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# QR Code – your way to the Agenda



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-- Q&A --

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Report from Hospitals on FHIR in Pisa – *Stefano Dalmiani*

# First three strategic priorities

1

**EHDS**

Priority 1



2

**EHDS**

Priority 2



3

**EHDS**

Priority 3

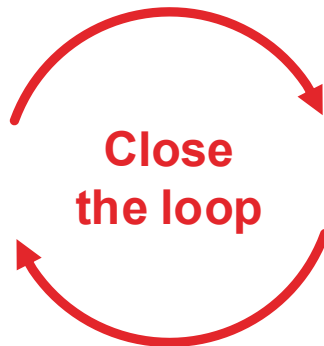


# What

1  
**EHDS**



**Primary use**  
care delivery



**Secondary use**  
research & policy

COMMON TO BOTH



**Proceed with standards**



**Facilitate their adoption**



**Strengthen the community**

# How



**Primary use**  
care delivery



## Technical meetings

work together on  
the European  
FHIR IGs



## Hands-on events

try the  
specifications  
yourself



## Tutorials & Webinars

learn the basics  
and latest updates  
from the authors



## Practice & Adoption

share challenges  
and experiences,  
learn from others

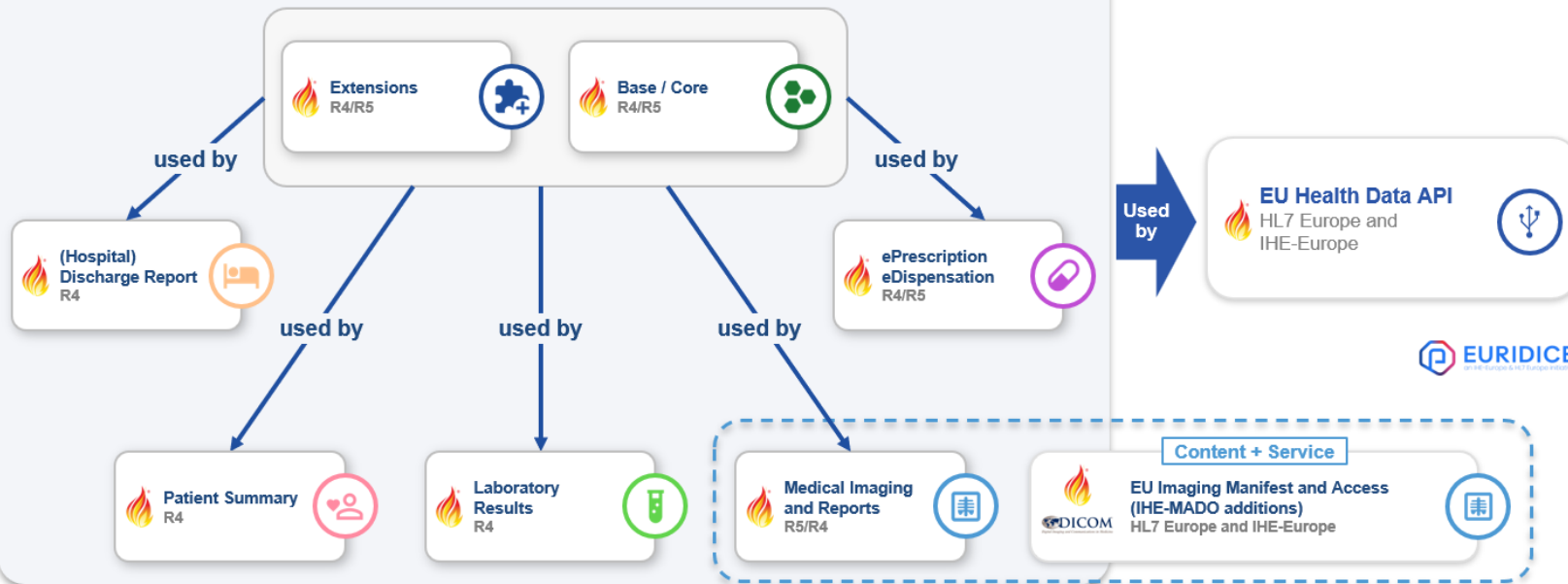
***Everywhere, anytime:*** the work continues online between meetings

# The HL7 FHIR IG ecosystem



**Primary use**  
care delivery

## Content



# The HL7 FHIR IG ecosystem



**Primary use**  
care delivery



01

**Finalize the  
current IGs**



02

**Prepare for the  
Implementing  
Act**



03

**Go beyond**

- Care Plan
- Specialized profiles (e.g. Microbiology)
- ...and much more

# HL7 Europe Base and Core FHIR IG



**Primary use**  
care delivery



**Base / Core**



## Current status

**2.0.1** STU 2

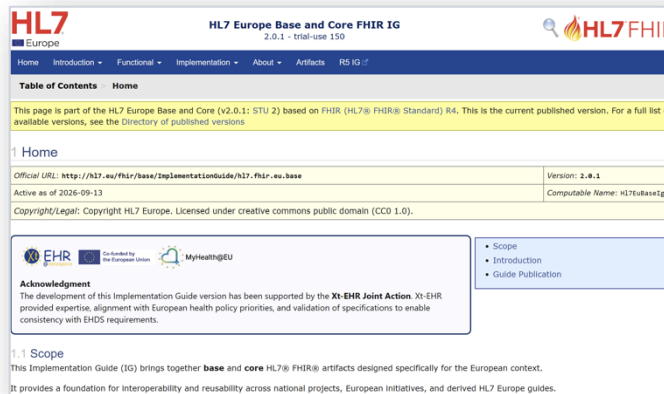
Published 2026-09-13

R4/R5 · hl7.fhir.eu.base · base-r5

## When we meet

**Monday 16 November**

Q3 and Q4



## Main topics

- General overview, status and plan
- Feedback analysis
- Art. 15 alignment
- New profiles
- Search parameters and more

# HL7 Europe Extensions



**Primary use**  
care delivery



**Extensions**



## Current status

**1.3.1** Trial use

Published 2026-09-12

R4/R5 · hl7.fhir.eu.extensions

## When we meet

**Monday 16 November**

Q3 and Q4 (joint)



## Main topics

- Discussed in the Base and Core meeting (shared agenda)

# HL7 Europe Patient Summary



**Primary use**  
care delivery



**Patient Summary**



## Current status

**1.0.0-ballot** STU 1

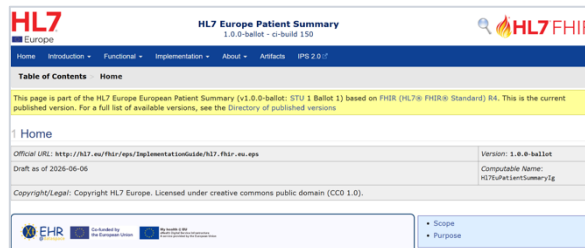
Ballot published 2026-06-06

FHIR R4 · hl7.fhir.eu.eps

## When we meet

**Tuesday 17 November**

Q3



## Main topics

- Art. 15 alignment
- Feedback discussion
- Input to and from IPS
  - Encounter sub-sections
  - Pregnancy
  - Functional status
  - Past problems section
  - Advance directives

# HL7 Europe MPD



**Primary use**  
care delivery



**ePrescription  
eDispensation**



## Current status

**1.0.0** STU 1

R4 published 2026-05-11

R5 published 2026-05-14

hl7.fhir.eu.mpd · hl7.fhir.eu.mpd-r5

## When we meet

**Wednesday 18 November** Q1

**Friday 20 November** Q1

The screenshot shows the homepage of the HL7 Europe Medication Prescription and Dispense (MPD) website. The header includes the HL7 Europe logo, the title 'HL7 Europe Medication Prescription and Dispense', the version '1.0.0 - trial-use 150', and the HL7 FHIR logo. A navigation bar contains links for Home, Introduction, Functional, Implementation, About, Artifacts, and R5 IG. Below the navigation bar, there is a 'Table of Contents' section with a 'Home' link. A yellow banner states: 'This page is part of the HL7 Europe Medication Prescription and Dispense (v1.0.0: STU 1) based on FHIR (HL7® FHIR® Standard) R4. This is the current published version. For a full list of available versions, see the Directory of published versions'. The main content area shows '1 Home'. A table provides metadata: 'Official URL: http://hl7.eu/fhir/mpd/ImplementationGuide/hl7.fhir.eu.mpd', 'Version: 1.0.0', 'Active as of 2026-05-11', and 'Computable Name: HL7EuplPrescriptionDispenseIg'. A copyright notice states: 'Copyright/Legal: Copyright HL7 Europe. Licensed under creative commons public domain (CC0 1.0)'. At the bottom, there is an 'Acknowledgment' section with logos for EHR, the European Union, and the UK Health & Safety, and a list of links: 'Scope', 'Purpose', and 'Background'.

## Main topics

- General overview, status and plan
- Art. 15 alignment
- Feedback analysis
- IDMP implementation (PHPID, EMA PMS)

# HL7 Europe Imaging Report



**Primary use**  
care delivery



**Medical Imaging  
and Reports**



## Current status

**1.0.0-ballot** STU 1

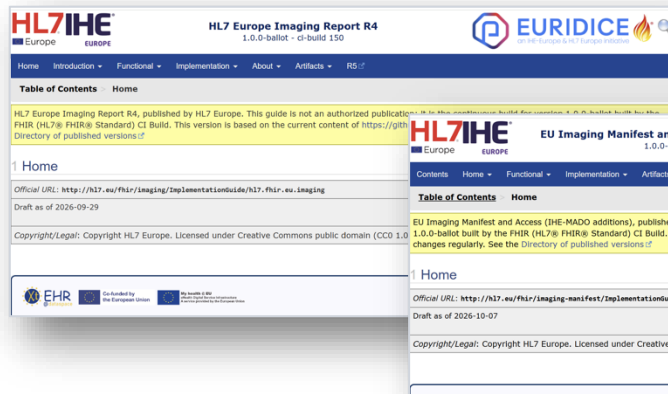
Report 2026-03-20

Manifest 2026-10-16

## When we meet

**Tuesday 17 November** Q4

**Friday 20 November** Q2



## Main topics

- General overview, status and plan
- Feedback analysis
- Art. 15 alignment

# HL7 Europe Laboratory Report



**Primary use**  
care delivery



**Laboratory  
Results**



## Current status

**2.1.0** STU 2

Published 2026-10-16

FHIR R4 · hl7.fhir.eu.laboratory

## When we meet

**Tuesday 17 November**

Q1 and Q2

The screenshot shows the homepage of the HL7 Europe Laboratory Report. The header includes the HL7 Europe logo and the title 'HL7 Europe Laboratory Report 2.1.0 - trial-use 150'. A navigation bar contains links for Home, Introduction, Functional, Implementation, About, and Artifacts. Below the navigation bar is a 'Table of Contents' section with a 'Home' link. The main content area states that the page is part of the HL7 Europe Laboratory Report (v2.1.0: STU 2) based on FHIR (HL7® FHIR® Standard) R4. It provides the official URL, version, and active date. A footer section includes logos for EHR, the European Union, and the European Health Data Space, along with an acknowledgment of funding from the European Union.

|                                                                                                                                                                               |                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Official URL: <a href="http://hl7.eu/fhir/laboratory/ImplementationGuide/hl7.fhir.eu.laboratory">http://hl7.eu/fhir/laboratory/ImplementationGuide/hl7.fhir.eu.laboratory</a> | Version: 2.1.0                     |
| Active as of 2026-10-06                                                                                                                                                       | Computable Name: HL7EuLaboratoryIg |
| Copyright/Legal: Copyright HL7 Europe. Licensed under creative commons public domain (CC0 1.0).                                                                               |                                    |

- The Laboratory Domain
- Scope
- Purpose
- Background

## Main topics

- General overview, status and plan
- Art. 15 alignment / Medical Test Result
- Feedback analysis
- Specialized Profiles (Microbiology)

# HL7 Europe (Hospital) Discharge Report



**Primary use**  
care delivery



**(Hospital)  
Discharge Report**



## Current status

**1.0.0** STU 1

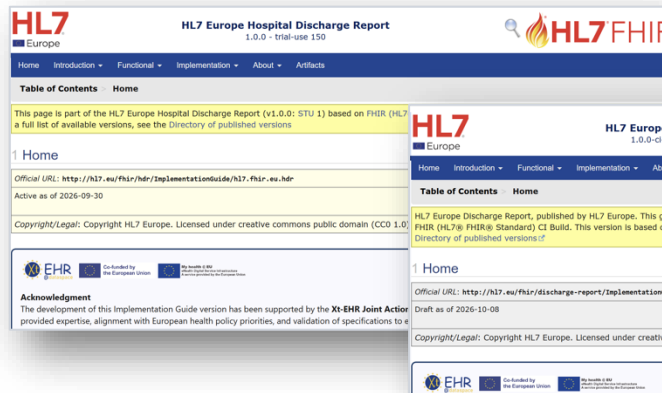
Published 2026-10-16

FHIR R4 · hl7.fhir.eu.hdr

## When we meet

**Friday 20 November**

Q1



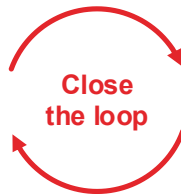
## Main topics

- General overview, status and plan
- Art. 15 alignment
- Feedback analysis
- Support for specialized DRs, e.g. L&D (labor and delivery)

# EU Cancer Model

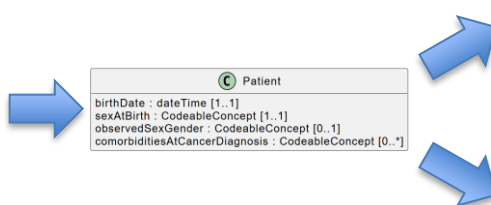
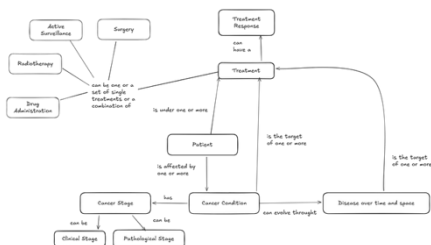
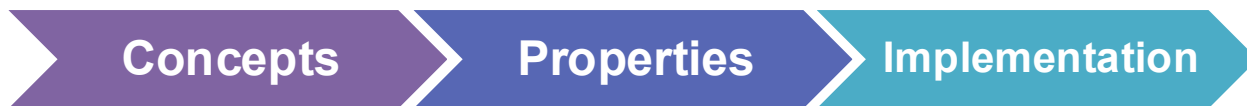


Primary use  
care delivery



Secondary use  
research & policy

A minimal, extensible European **cancer** data model: any cancer type, any use case, built on data EHRs actually hold.



Primary use  
care & exchange



Secondary use  
e.g. Research,  
Governance

# HL7 Europe Common Cancer Model



Common Cancer  
Model



## Current status

**1.0.0-ballot** STU 1

Ballot published 2026-06-14

FHIR R4 · hl7.fhir.eu.cancer-common

## When we meet

**Wednesday 18 November**

Q1, Q2, Q3 and Q4

PHOENIX HL7 Europe HL7 FHIR

HL7 Europe Common Cancer Model  
1.0.0-ballot - ballot 150

Home Introduction Functional Logical Implementation About Artifacts

Table of Contents Home

This page is part of the HL7 Europe Common Cancer Model (v1.0.0-ballot: STU 1 Ballot 1) based on FHIR (HL7® FHIR® Standard) R4. This is the current published version. For a full list of available versions, see the Directory of published versions.

1 Home

Official URL: <http://hl7.eu/fhir/cancer-common/implementationguide/hl7.fhir.eu.cancer-common> Version: 1.0.0-ballot

Active as of 2026-06-14 Computable Name: HL7EuropeCancerIg

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1.1 Scope

Contextual information

This page provides background and orientation for the guide. It supports understanding of the proposed model, but it is not itself a model artifact or an implementation specification submitted for evaluation.

- Scope
- How to Read This Guide
- Purpose
- Relationships and References
- Example Scenarios

The HL7 Europe Cancer Common Data Model (ECCDM) initiative aims to define a European common data model for cancer: a **minimal, shared, and extensible set of concepts and relationships** capable of representing cancer-related information across different contexts and use cases.

The scope of this initiative is to define a model that is **agnostic to cancer type** and **independent from specific technical standards**, providing a **common conceptual and logical backbone** that can be progressively extended over time.

The scope of this Implementation Guide is to document this common model and to support its implementation by providing mappings of the model to **HL7 FHIR** and to **OMOP**, enabling interoperability between primary data exchange and secondary data use in research contexts.

By defining consistent concepts, relationships, and longitudinal structures, the model enables, among other outcomes, the reconstruction of a typical cancer journey.



**PHOENIX**  
Patient Health Oncological  
Expertise Network  
for International eXchange  
an HL7 Europe initiative

## Main topics

- General overview, status and plan
- HL7 FHIR representation
- Ballot reconciliation
- OMOP representation

# EU AI Transparency FHIR IG



AI Transparency



## Current status

**Project approved**

Kick Off in Malaga

## When we meet

**Thursday 19 November**

Q2

## Main topics

| Requirement                                             | AI Act reference          |
|---------------------------------------------------------|---------------------------|
| AI transparency obligations                             | <b>Art. 50</b>            |
| AI Service Description / Capabilities                   | <b>Art. 11, 13, 47–49</b> |
| Training Data & Data Governance                         | <b>Art. 10</b>            |
| AI Provenance & Traceability<br>including log integrity | <b>Art. 12, 13</b>        |
| Human Oversight Metadata                                | <b>Art. 14</b>            |
| Performance Monitoring & Drift                          | <b>Art. 9, 15</b>         |
| Right to Explanation of AI-supported decisions          | <b>Art. 86</b>            |

# What can you do?



## **Not only technical activities...**

Project and governance sessions, national programme updates, EHDS and policy discussions plus plenty of space for informal exchange.



## **... but still a “working” meeting**

Not just keynotes and presentations: bring your questions, use cases and implementations, and leave with decisions and contacts.



## **Everyone is welcome**

Newcomers and long-time contributors alike, no prior HL7 experience required.

# HL7 Europe WGM in Málaga: a preview

## Agenda

Introduction, overview, agenda – *Kai Heitmann*

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Additional programme highlights – *Patrick Werner*

-- Q&A --

Practicalities, social events, wrap-up – *Kai Heitmann*

Report from Hospitals on FHIR in Pisa – *Stefano Dalmiani*

# Additional programme highlights



## Narratives and FHIR text

Which text does the reader actually see, and what happens to it outside the document?



## Terminology and microbiology

Pre- or post-coordination, EUCAST breakpoints, LOINC next to national codes. With the LOINC team and SNOMED International in the same week.



## European FHIR IG Management Group

Questions answered once for all EU IGs: patient-created data, PDF-only reports, document signing.



**New to the EU IGs? Start on Monday:** Introduction and Overview of the European EHDS-related FHIR IGs, Monday 16 November, Q3

# Narratives and FHIR text



**Narrative**  
across document IGs

## WHEN WE MEET

### Render or Surrender: FHIR Text

Wed Q1 Tauromaquia · Kai Heitmann, René Spronk

### 3T: transform, transcode, translate for the EHDS

Wed Q2 Malagueta · Kai Heitmann

### EU Base/Core

Mon Q3–Q4 Minotauro · Giorgio Cangiolli, Patrick Werner

### European FHIR IG Management Group

Fri Q3–Q4 Malagueta · narrative requirements on its list

## ON THE TABLE

### Which text does the reader actually see?

#### Two texts that can disagree

A document carries narrative in `Composition.section.text`, and often in each entry's `resource.text` as well. Which one is the attested text, and what if they differ?

#### Section text does not travel with the resource

When resources are taken out of the Bundle and accessed one by one, the section text stays behind.

#### No structure at all

Some reports exist only as a PDF. What is the narrative then?

**come and have a say.**

# Terminology and microbiology



**Terminology**  
Lab and beyond

## WHEN WE MEET

### Terminology bindings in FHIR IGs: different approaches

**Mon Q4** Malagueta · Rob Hausam, Rutt Lindström

### Laboratory / Medical Test Result, incl. Microbiology

**Tue Q1–Q2** Malagueta · Patrick Werner, Ralf Herzog, Hynek Kružík

### EHDS Terminology Infrastructure

**Tue Q2** Tauromaquia · Rutt Lindström

### LOINC and UCUM

**Wed Q2** Tauromaquia · LOINC team (Regenstrief): Eza Hafeza, Stan Huff, Rob McClure, Timothy Briscoe

### SNOMED CT and SNOMED on FHIR

**Wed Q4** Tauromaquia · Peter G. Williams, SNOMED International

## ON THE TABLE

### Why is microbiology coding still hard?

#### Pre- or post-coordinated?

LOINC builds specimen and method into the code: one code per culture type, one per antibiotic and method. Or a generic code with specimen, method and antibiotic as separate elements?

#### S, I and R depend on the rulebook

Interpretation follows the EUCAST breakpoint table and its version. Since 2019, 'I' means 'susceptible, increased exposure'.

#### LOINC, national codes, or both?

Some countries code lab results nationally, e.g. NPU in Denmark and Sweden. How do EU IGs bind so that both work?

# European FHIR IG Management Group



**Governance**  
across all EU IGs

## WHEN WE MEET

### European FHIR IG Management Group

**Fri Q3–Q4** Malagueta · Patrick Werner, Giorgio Cangioli

### Technical Coordination Team (TNT)

**Mon Q1–Q2** Minotauro · Patrick Werner, Giorgio Cangioli

### EURIDICE: API Work Group Meeting

**Wed Q4** Alboran · Josh Priebe, Bas van den Heuvel

### Hands On FHIR: testing sessions for the EHDS-related FHIR IGs

**Wed Q1–Q2** Alboran

## ON THE TABLE

### What has to work the same way in every EU IG?

#### Patient-created data (EHDS Art. 5)

Patients may add to their record, or edit downloaded data elsewhere and bring it back. How is that marked and found again, and how do we know downloaded data was not altered?

#### PDF-only reports

Imaging, Lab, HDR and Patient Summary carry a report that is only a PDF in different ways. Clients need one.

#### Document signing

How to sign documents and the artefacts in them, when the signature mechanisms in R4 and R5 fall short.

**Friday afternoon, Q3 and Q4: worth staying for.**

# HL7 Europe WGM in Málaga: a preview

## Agenda

Introduction, overview, agenda – *Kai Heitmann*

HL7 Europe's strategic priorities at the WGM – *Giorgio Cangioli*

Additional programme highlights – *Patrick Werner*

-- Q&A -- 

Practicalities, social events, wrap-up – *Kai Heitmann*

Report from Hospitals on FHIR in Pisa – *Stefano Dalmiani*

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Host: *Luc Chatty*

# Málaga for the know-it-alls

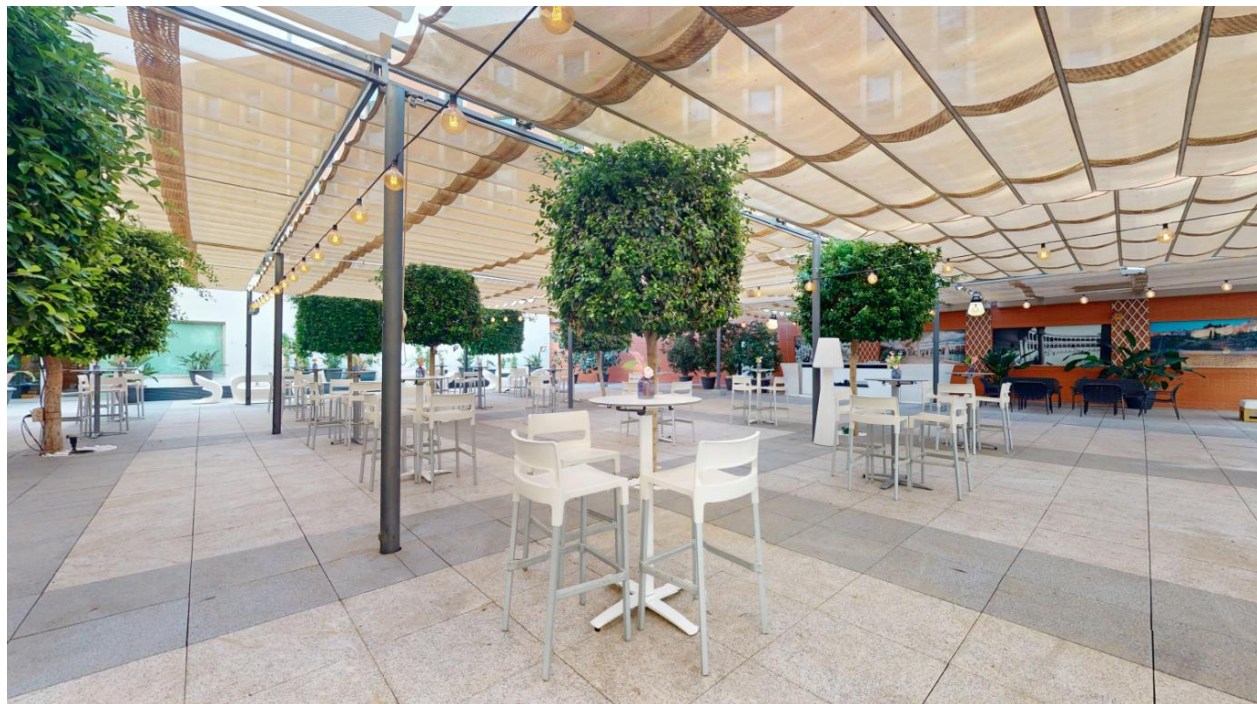
- **Older than almost anything around it, older than Rome.**  
Phoenician sailors founded Malaka around 770 BC
- **Picasso** was born here, on Plaza de la Merced, in 1881
- Almost **forty museums and exhibition centres** sit in a city you can cross on foot
- The **Alcazaba** watches the old town from the hill, with the **Castillo de Gibralfaro** above it, connected by a walled path. Both are a walk from the conference hotel, the second one uphill.

# Málaga in November

- **Mild, and dark early**, daytime highs sit around 18-21°C, nights around 13°C; roughly one day in five brings rain; a light jacket is typically enough
- The **sun sets at about 18:07** on our first day Monday.
- **Alcazaba and Gibralfaro open 09:00 to 18:00** in winter.
- **Espetos all year round.** Sardines on a skewer, grilled over a wood fire in a sand-filled boat, at the beach restaurants of Pedregalejo and El Palo, a short taxi ride east along the coast.

# Join our Social Events

- All days coffee breaks in the **Patio Inglés**
- Also our **Wednesday Network Reception**



# Join our Social Events

- All lunch breaks in the Restaurant Esperanza



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# Hospitals on FHIR

**140 Hospitals and Healthcare providers**

**22 IT companies**

**19 Countries**





# HOSPITALS ON FHIR USER DAYS 2026



PISA, ITALY

*Where Innovation Meets Healthcare*



19-21  
OCTOBER 2026



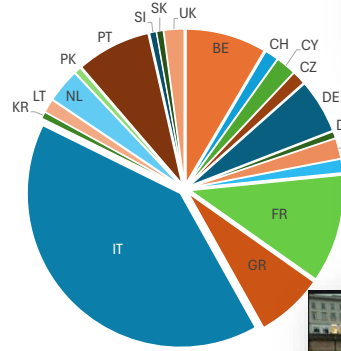
PISA, ITALY



BUILDING THE  
**EHDS**  
TOGETHER

# 4<sup>th</sup> HoF User Days 19-21 October 2026

- 150 participants
- 19 countries
- 15 sessions + 7 parallel sessions
- 1 interoperability run
- 2 laboratories
- Rain and mosquitos



# HoF Italy Ambassadors



**NICOLA GENTILI**

Italy Ambassador

IRCCS IRST Dino Amadori



**MARCO PINGITORE**

Italy Ambassador

ASP Cosenza

# 16 National Ambassadors



**LUC CHATTY**

France Ambassador  
Fyrstain



**FREDERIC LAURENT**

France Ambassador  
Rennes Hospital



**VICTOR COSTA**

Portugal Ambassador  
"Unidade Local de Saúde Trás-os-Montes e  
Alto Douro" (ULSTMD)



**MARIA MANUEL SALAZAR**

Portugal Ambassador  
CHU Porto



**MARIE ALEXANDRA  
LAMBOT**

Belgium Ambassador  
St.Pierre Hospital - CSCT



**KARLIEN ERAUW**

Belgium Ambassador  
Agoria - HL7 BE



**SYLVIA THUN**

Germany Ambassador  
Charité - HL7 Germany



**EUGENIA RINALDI**

Germany Ambassador  
Charité



**NICOLA GENTILI**

Italy Ambassador  
IRCCS IRST Dino Amadori



**MARCO PINGITORE**

Italy Ambassador  
ASP Cosenza



**JUSTAS TRINKUNAS**

Lithuania Ambassador  
Statistics Lithuania - State Data Agency



**ANNE MOEN**

Norway Ambassador  
University of Oslo



**CECILIO GARCIANO**

Ireland Ambassador  
Peamount



**GIUSEPPE FICO**

Spain Ambassador  
UPM



**EVA SABAJOVA**

Slovakia Ambassador  
National Health Information Center  
HL7 Slovakia

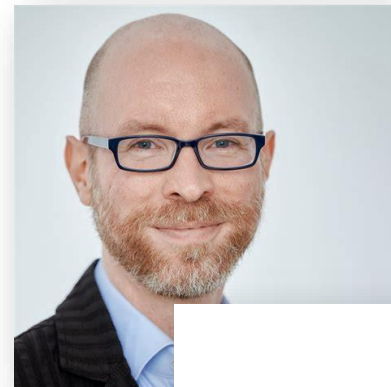


**ANNA GAWROŃSKA**

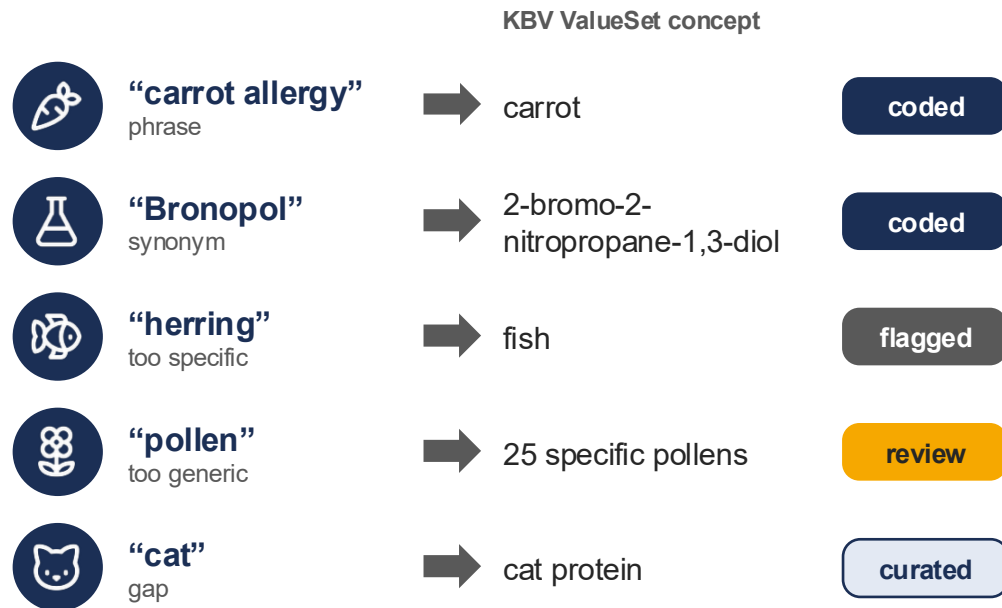
Poland Ambassador  
SGH - Warsaw School of Economics  
HL7 Poland

# HoF Working groups

- AI WG – Chair Danny Ammon
- CyberSecurity WG – Chair TBE
- HL7 Europe Working Group Meeting
  - Thu 19/11
  - 9 -10.30 AM (Q1)
  - Room Alcazaba



# AIWG Use Case 1: Free-text Allergies (ANS)



### Allergies

What is the patient allergic to?

Save

*behind the scenes, invisible to the user*

**Felis catus protein**

SNOMED CT 143491000146106

ConceptMap · \$validate-code: valid

Mockup, illustrative

# AIWG Use Case 2: Scanned Documents (ANS)

*Discharge letter (mockup, synthetic text)*

## Allergies and intolerances

Penicillin (rash, 2015). No known allergy to latex.

Family history: mother with cat allergy.

Substance

Manifestation

Negation

Family history

Manifestation: second KBV ValueSet



### Scan

scanned letter



### Read

AI (NLP)



### Resolve

terminology server



### Label

AIASST + Provenance



### Confirm

clinician

unverified

AIASST

Provenance: assembler

verified

AIASST removed

Provenance: verifier

# HoF - WHY A CYBERSECURITY WORKING GROUP?



## The gap between FHIR adoption and FHIR security

01

### No shared knowledge base

Hospitals face similar FHIR security challenges but solve them in isolation. There is no pan-European forum to share what works and what fails.

02

### Regulatory pressure is real

NIS2 demands action now. Hospitals need practical peer guidance — not just policy documents — to meet compliance timelines.

03

### FHIR is the attack surface

Every FHIR API endpoint deployed is a potential entry point. HOF is the right community to tackle this specifically for hospitals.

04

### CyberShield4Health amplifies impact

HOF's involvement in CyberShield4Health creates a direct link to EU-funded tools, assessments, and pilots that members can access.

# HoF Cybersec WG - SCOPE OF WORK



## What we focus on

- FHIR API security — SMART on FHIR, OAuth2, token management
- FHIR server hardening — configuration, patching, dependencies
- Network security for FHIR — TLS, API gateways, firewalls
- Audit logging and monitoring of FHIR activity
- Incident response for FHIR infrastructure breaches
- NIS2 compliance documentation related to FHIR

*By focusing on FHIR, we address the specific attack surface that HOF members are introducing — and can change.*

## What we don't cover

- ✗ General IT security beyond FHIR infrastructure
- ✗ Clinical device / IoMT security
- ✗ Vendor product recommendations
- ✗ Legal compliance advice

# HoF in ITALY, EXPLAINED BADLY

A very not serious guide to Pisa, Tuscany, Italian culture & **detention for Hawaiian Pizza**





Thank you!