



# HL7 Europe and the EHDS track at the HL7 WGM in Rotterdam

Webinar Friday, 24 April 2026

14:00-15:00 CEST

Online on Teams



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## Agenda

- Welcome – *Michael Strübin, HL7 Europe*
- General intro WGM Rotterdam
- About the EHDS track – *Giorgio Cangili, HL7 Europe*
- The domains
  - HDR (Rutt Lindström)
  - MPD (Rutt Lindström)
  - Laboratory (Patrick Werner)
  - EPS (Patrick Werner)
  - IPS (Rob Hausam)
  - Imaging (Josh Priebe)
  - Health Data API (Josh Priebe)
  - Synthetic Data (Kai Heitmann)
- -- Q&A --
- Practicalities, social event, and a registration code

# Housekeeping

- Your facilitator: Michael Strübin
- The webinar will be recorded; slides will be shared in pdf.
- Key parameters for your participation:
  - The system has disabled video and microphone for attendees
  - Please use reactions/emojis during the presentations
  - Please use the chat to make comments or raise your questions
  - Please raise your hand if you'd like to speak
  - If you are invited to speak, we will unblock your video and microphone; please turn on your video and say who you are

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# HL7 FHIR Connectathon & WGM

## **HL7 FHIR Connectathon**

SS Rotterdam | Rotterdam, Netherlands

May 16-17, 2026

## **HL7 Working Group Meeting**

SS Rotterdam | Rotterdam, Netherlands

May 18-22, 2026



# HL7 FHIR Connectathon & WGM

200+ sessions including free education for all participants

## Featured Speakers & Sessions

- **Leonique Niessen**, Executive Director, Nictiz, and **Bianca Rouwenhorst**, Director, Dutch MoH
- **Walter Kraan**, Manager of Product Development and Maintenance, Nictiz  
*Introduction to Dutch 5-layer interoperability model, which will serve as the common reference framework*
- **Vincent van den Berg**, Digital Health Innovator, Chipsoft  
*Scaling FHIR in Practice: Generic Functions and Nationwide Interoperability*

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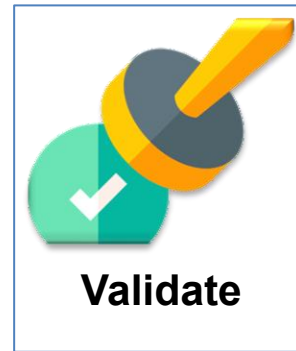
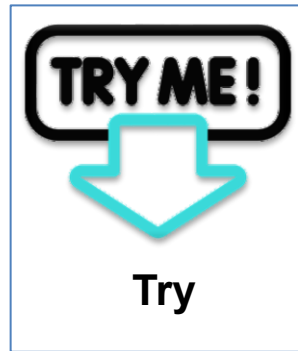
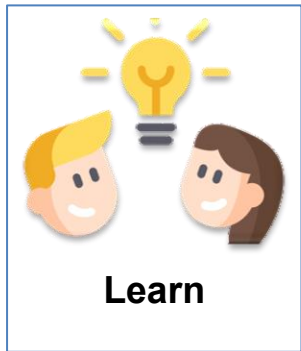
# The EHDS track: description

- The **European Health Data Space Regulation** Implementing Acts are approaching.
- To support this regulation, a **collaborative effort** involving various communities and initiatives is in place, **leading to the development of implementation guides** for the identified Priority Categories.
- **Enhancing awareness, strengthening, and testing the implementation** of these specifications are essential to **improving their quality** before operational use of the future European EHR eXchange Format (EEHRxF) .



# The EHDS track: goals

- To **learn**, **experiment** with, **validate**, and **improve the specifications** that have been or are being developed to support the **European Health Data Space**.



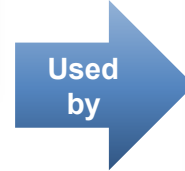
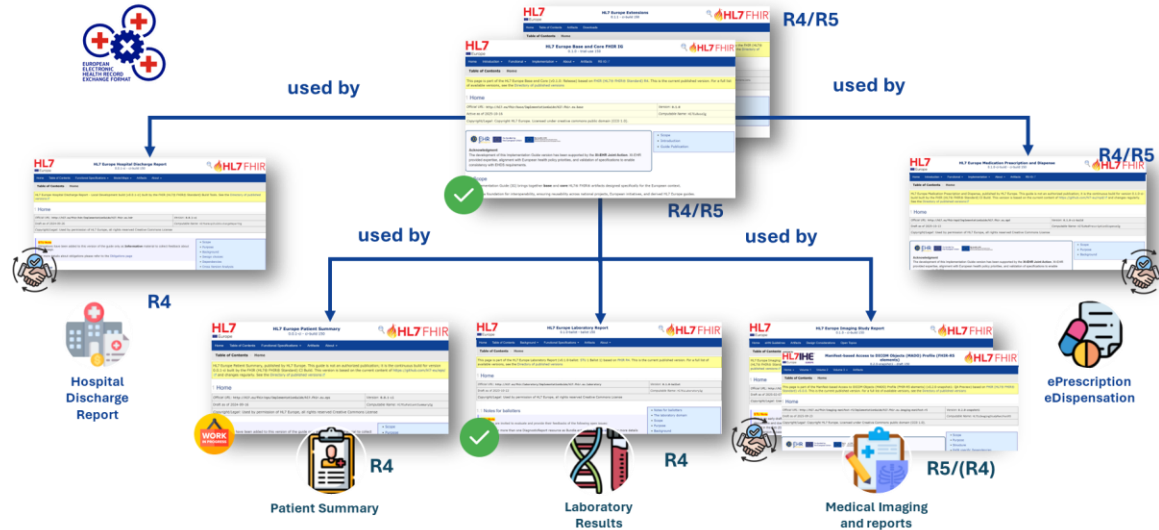
# The EHDS track: goals

- Conducting **implementation exercises**
- Uncover potential **gaps in development** or in the **understanding** of the **specifications**
- Pinpoint possible **challenges** in their implementations
- Facilitating **informal discussions**
- Sharing **experiences** and making **questions**
- Understanding the **journey from the idea to product**

# The specifications ecosystem for EHDS

## Content

## Services



The screenshot shows the 'EU Health Data API' website by HL7 Europe and EURIDICE. The page includes a 'Table of Contents' and a 'Home' section. A 'STU Note' section contains the following text:

**This IG is under active development.** Feedback and issues are tracked on GitHub Issues. Please join our weekly meetings to participate in this development.

- Regulatory Basis and Scope
- Audience
- Summary of Functional Requirements ("the API")
- Approach
- Document Exchange Actors
- Resource Exchange Actors
- Priority Categories
- Authors

Below this, there are two bullet points:

- E2.1: "SHLs provide an **interface enabling access** to the personal electronic health data [formatted in EHR/IF]"
- E2.2: "SHLs **be able to receive** personal electronic health data [formatted in EHR/IF]"

The implementation guide is also mentioned.

This block contains two screenshots of related documents:

- IHE Building Block Framework:** A document titled 'IHE Building Block Framework' with a table of contents and a 'Revision 1.0 - Draft for Public Comment' notice.
- IHE MFD (Medication Prescription and Dispense):** A document titled 'IHE MFD (Medication Prescription and Dispense)' with a table of contents and a 'Revision 1.0 - Draft for Public Comment' notice.

# The content HL7 FHIR IG



EUROPEAN  
ELECTRONIC  
HEALTH RECORD  
EXCHANGE FORMAT

used by

R4/R5



used by



R4



Hospital  
Discharge  
Report



used by

R4/R5

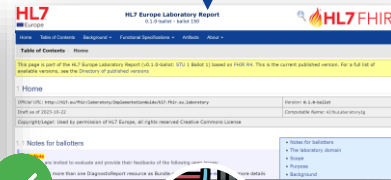
used by



R4



Patient Summary



R4



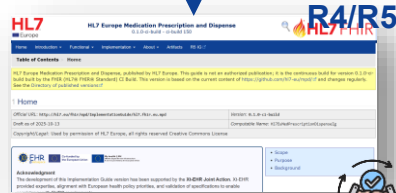
Laboratory  
Results



R5/(R4)



Medical Imaging  
and reports



R4/R5



ePrescription  
eDispensation

# Latest releases (Content)



Laboratory Report: <https://hl7.eu/fhir/laboratory>



Hospital Discharge Report: <https://hl7.eu/fhir/hdr/xtehr>



European Patient Summary: <https://hl7.eu/fhir/eps/xtehr>



Medical imaging Report: <https://hl7.eu/fhir/imaging/>;  
<https://hl7.eu/fhir/imaging-r5>



Medication Prescription & Dispense: <https://hl7.eu/fhir/mpd/>;  
<https://hl7.eu/fhir/mpd-r5>



Base and Core: <https://hl7.eu/fhir/base>; <https://hl7.eu/fhir/base-r5>



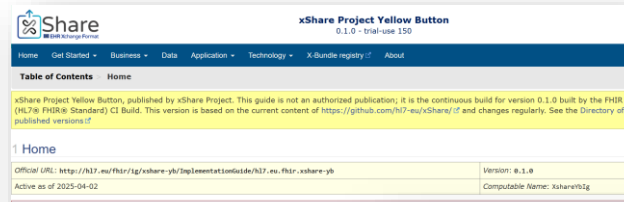
All CI-build: <https://build.fhir.org/hl7-eu>

# xShare Project Yellow Button

- Test the EEHRxF by implementing the xShare Yellow Button !



The xShare Yellow Button



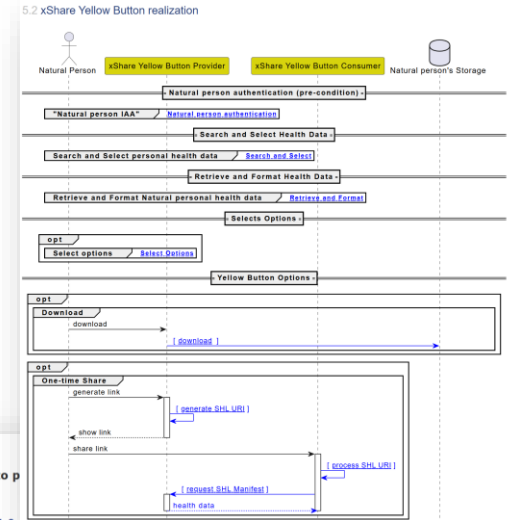
## 4.2 Implementable specification

For this version of the xShare Yellow Button **the only technical specifications to p**

xBundle	HL7 FHIR IG
Patient Summary	HL7 International Patient Summary FHIR IG v1.1.0
Laboratory Report	HL7 Europe Laboratory Report FHIR IG v0.1.1
MyHealth@EU Laboratory Report	MyHealth@EU Laboratory Report FHIR IG v0.1.1

Early implementers might be interested in piloting the following on development specifications

xBundle	HL7 FHIR IG
Patient Summary	HL7 Europe Patient Summary FHIR IG (0.1.0-ci-build)
Hospital Discharge Report	HL7 Europe Hospital Discharge Report FHIR IG (0.1.0-ci-build)
Medicine Prescription and Dispense	HL7 EU Medication Prescription and Dispense FHIR IG v0.1.0-ci-build
Digital Imaging Report	HL7 EU Imaging Report FHIR IG v0.1.0-ci-build



# EU Health Data API

The screenshot shows the website for the EU Health Data API. At the top, there are logos for HL7 Europe and EURIDICE. The main header includes the title "EU Health Data API" and the version "0.1.0 - ci-build 150". A navigation bar contains links for Home, Background, Functional Requirements, Implementation, Artifacts, and About. Below the navigation bar, there is a "Table of Contents" section with a "Home" link. A yellow banner contains a disclaimer: "EU Health Data API, published by HL7 Europe. This guide is not an authorized publication; it is the continuous build for version 0.1.0 built by the FHIR (HL7® FHIR® Standard) CI Build. This version is based on the current content of https://github.com/bvdh/jwg-api/ and changes regularly. See the Directory of published versions". The main content area shows the "1 Home" section, followed by a table with columns for "Official URL", "Version", and "Highlight text changes?". Below the table, there is a "Copyright/Legal" section stating "Copyright HL7 Europe. Licensed under Creative Commons public domain (CC0 1.0)". A "STU Note" section states "This IG is under active development. Feedback and issues are tracked on GitHub Issues. Please join our weekly meetings to participate in this development." A callout box titled "General Information" contains the URL "https://euridice.org/eu-health-data-api/".

**General Information**  
<https://euridice.org/eu-health-data-api/>

FHIR IG: <https://hl7.eu/fhir/health-data-api/1.0.0-ballot>

# Effective Collaboration Strategies

- No pre-defined approach..
- The work could be (self-)organized in sub-groups based on your objectives
  - Per domain: e.g. laboratory; HDR; MPD; EPS; core....
  - Per activity: e.g. testing; learning; discussing;..
- Common break-out sessions where everyone is invited to join

# Where to get more

- Confluence HL7 FHIR Connectathon page
  - [2026 - 05 Connectathon 42 - FHIR – Confluence](#)
- Newcomer Orientation - Recording
  - <https://vimeo.com/542197402/8fb80fea04>
- Track description
  - [2026 - 05 EHDS \(European Health Data Space\) - FHIR – Confluence](#)

# How to get your questions answers

- Zulip (chat.fhir.org)
  - [#europe > FCAT 05 2026: EHDS track](#)
- Log issues in [HL7 Int. JIRA](#) or [HL7 Europe GitHub](#) (for on-develop guides)
- Track Lead Contact Info:
- See [Confluence HL7 FHIR Connectathon page](#)



# Participant Checklist

- ✓ Register on HL7 Event Page
- ✓ Sign up for Confluence Access
- ✓ Select a Track
- ✓ Complete Pre – Connectathon Survey
- ✓ Prepare your Technical Environment
- ✓ Sign up for chat.fhir.org Access
- ✓ Connect with your Track lead & participants
- ✓ Get the Whova App



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# Hospital discharge report

- What to test
  - Produce & Consume EU hospital discharge report (Bundle)
  - Compare/combine hospital discharge report & patient summary
  - Test adjacent use cases ("discharge report")
- Goal
  - Collect & validate (real-world) examples
  - Test the IG and Validation
  - Compare the IG scope to EHDS scope

# Medication prescription and dispense

- What to test
  - Create MedicationRequests from national prescriptions
  - Prescription-dispense workflow and examples (R4 & R5)
  - Leveraging IDMP data and PhPIDs for prescription workflows
- Goal
  - Collect & validate (real-world) examples
  - Test the IG and Validation
  - Wishlist to EMA and UMC to improve practical usability of IDMP and PhPID in eHealth services

# Laboratory report IG

- What to test
  - Observation / DiagnosticReport / Specimen / Composition – individually or as a complete report
- Goal
  - Collect & validate (real-world) examples
  - Verify that the IG supports real-world lab reporting needs
- Microbiology
  - Semantics under active development, no dedicated profiles yet
  - Testing with current profiles already possible – feedback welcome

# European Patient Summary (EPS)

- What to test
  - Produce & Consume European Patient Summary Document (Bundle)
  - automatic creation of EPS Documents from existing FHIR Resources
- Goal
  - Collect & validate (real-world) examples
  - Test the EPS IG and Validation

# International Patient Summary (IPS) (EHDS sub-track – working with EPS domain)

- EPS is IPS! – aims to be conformant with FHIR IPS 2.0.0
- What to test
  - EPS (Europe), AU PS (Australia), PS-CA (Canada), US-PCS (USA), US WA State IPS, NZPS (New Zealand) & more – see [testing scenarios](#)
- Goal
  - Collect & validate (real-world) examples from multiple jurisdictions
  - Test and validate localised and cross-border exchange of IPS data from multiple national PS implementations
- IPS sub-track [page](#); Zulip IPS Connectathon 42 sub-track [topic](#)

# Imaging

- What to test
  - Produce & Consume Imaging Report FHIR Documents (Bundle), or FHIR Imaging-Manifests
- Goals
  - Collect & validate (real-world) examples
  - Test the Imaging IG and Validate

# Health Data API



EU Health Data API  
1.0.0-ballot - ballot 150



Built from...

- EU Health Data API Components:
- Built to exchange the FHIR content from HL7 EU IG's

## 1. Authorization

SMART Backend Services

*Industry-standard* FHIR Authorization



## 2. Patient lookup

*Patient Demographics Query for mobile*

*Built on FHIR Core Patient.\$match*

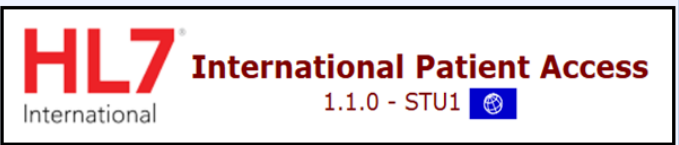


## 3. Document access

*Mobile access to Health Documents*



## 4. Resource access



# Health Data API

- What to test -
  - FHIR Document Exchange
    - MHD Document Query (ITI-67 / ITI-68)
    - MHD Document Publish (ITI-105)
  - Patient Lookup - Patient.\$match (PDQm ITI-119)
  - Authorization – SMART Backend (Client Credentials)
- Goal
  - Test Exchanging Transactions System <> System

# SYNDERAI



- **Synthetic Data: Examples – Realistic**
  - using AI (SYNDERAI)
  - pronounced / **sɪndəraɪ** /
- **xShare Project Work Package**
- **Synthetic Example Data with 50 "fake" patients (soon much more) for**
  - Patient Summary (50), Laboratory Report (1,400), Hospital Discharge Report (53)

[synderai.net](http://synderai.net)

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# HL7 FHIR Connectathon & WGM

## Hotel Rooms on SS Rotterdam by WestCord

 3e Katendrechtse Hoofd 25, 3072 AM, Rotterdam  
 +31(0)10 - 297 30 90  
 [info@ssrotterdam.nl](mailto:info@ssrotterdam.nl)

## Hotel booking

**Reserve today as the discounted rooms will be released this weekend!**

- 185 EUR per night (includes breakfast and VAT)
- City taxes not included



# HL7 FHIR Connectathon & WGM

Join us for a Boat Cruise Networking Reception and connect with HL7 colleagues while enjoying the skyline at sunset.

- **Date:** Tuesday, 19 May 19 (5:30-8:00 pm)
- **Location:** Boarding Platform, SS Rotterdam
- **Price:** \$50 USD (includes snacks & two drinks)





# HL7 FHIR Connectathon & WGM Registration code

“Early bird” rate extended for webinar attendees:

Code: < **NLEB26MY** >

New deadline (with the code): 24 April 2026

[Registration link](#)

## Registration Fees

	Member Early Bird Rate	Member	Student*	Non-Member Early Bird Rate	Non-Member
Sunday - Friday (WGM Only)	\$1,440 USD	\$1,870 USD	\$720 USD	\$2,160 USD	\$2,805 USD
Monday - Friday (WGM Only)	\$1,210 USD	\$1,635 USD	\$605 USD	\$1,815 USD	\$2,455 USD
Saturday - Sunday (Connectathon Only)	\$670 USD	\$885 USD	N/A	\$820 USD	\$1,035 USD
Per Day	\$420 USD	\$560 USD	\$210 USD	\$630 USD	\$840 USD

*Full-time students receive a 50% discount off the WGM member early bird rate but must [contact us](#) to receive a discount code.*



Thank you!