

HL7 FINLAND

**FINNISH HEALTH
DATA HACKATHON**

Patient Access Track

December 15, 2025

HL7 FINLAND



Affiliate | Denmark



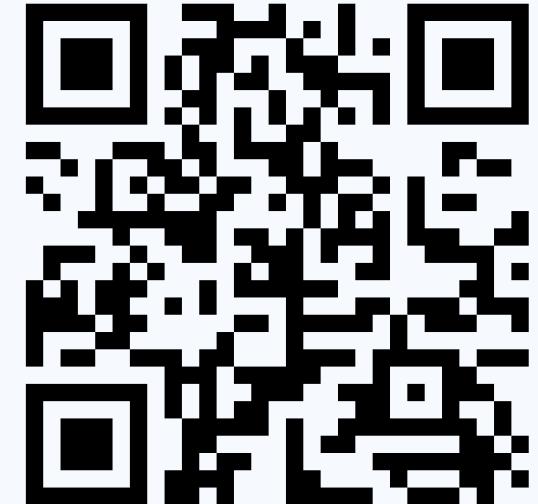
Affiliate | Norway



sensotrend

AGENDA

- What Is the Finnish Health Data Hackathon?
- Patient Access Track
 - Finnish SMART IG
 - City of Helsinki / Apotti / Epic
 - Kanta
 - xShare
 - Identity Wallets & NCP



fhir.fi/hackathon



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NORDIC HEALTH DATA HACKATHONS



fhir.fi/hackathon

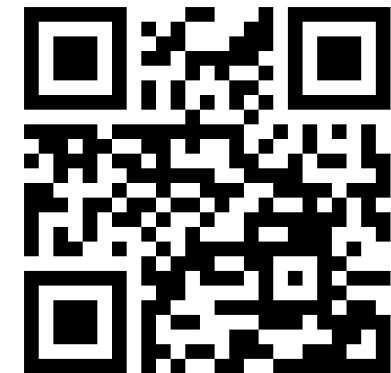
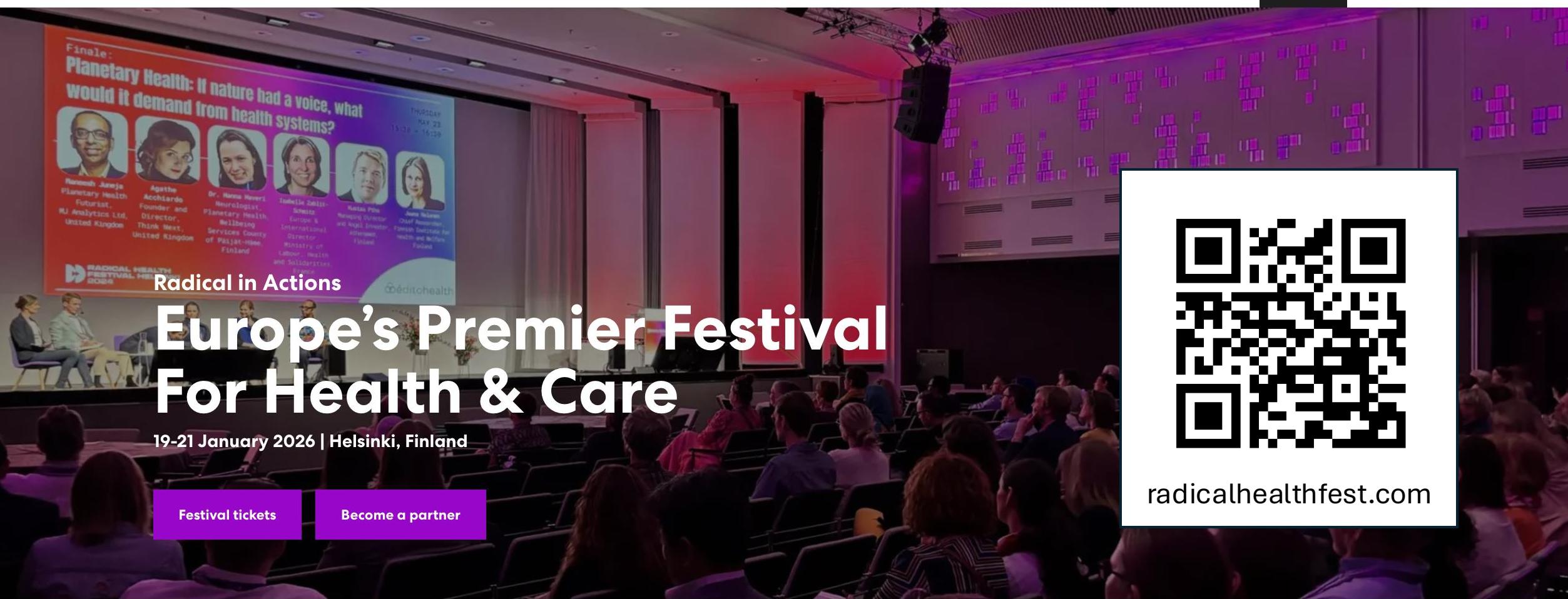


HL7 Finland 30 Years Symposium

- **Monday, 19 January 2026**
 - **Same premises as the hackathon**
 - **Requires different registration!**
-
- **Draft agenda:**
9.30-10.00 Coffee
10.00-12.00 Finnish sessions
12.00-13.00 Lunch
13.00-16.00 International sessions
16.00- Networking and drinks



www.hl7.fi/kokouset-ja-tapahtumat/hl7-finland-30th-anniversary-symposium/



radicalhealthfest.com

Radical in Actions

Europe's Premier Festival For Health & Care

19-21 January 2026 | Helsinki, Finland

Festival tickets

Become a partner

Operationalising Precision Health

Radical Health Festival Helsinki is where bold ideas meet real action — and where new alliances for health are born.

We are a festival, not a conference. A movement for those ready to challenge the old ways, rethink prevention and care, and drive health transformation across Europe and beyond. In 2026, we focus on Operationalising Precision Health — making it real, together.





Lääkäripäivät Helsingissä 21.-22.1.2026

Täydennyskoulutusta tiiviisti tarpeeseen, osaamisperustaisesti, työtä ajatellen ja sen arjessa kiinni.



Kurssit

Tutustu Lääkäripäivien kursseihin ja oheisohjelmaan päiväkohtaisesti tai hyödynnä hakua.



Oheisohjelma

Kuule kiinnostavimmat keskustelut, inspiroidu näyttelyssä ja viihdy avajaississa sekä LääkäriBileissä.



Ilmoittaudu nyt!

Tule 1–2 päiväksi tai pelkästään näyttelyyn – muista hyödyntää early bird - hinnat 11.1.2026 mennessä.



laakaripaivat.fi

When & Where

- Monday, January 19, 2026, starting at 9:00 EEST
- Some tracks continue on Tuesday, January 20, 2026
- Results presented on Wednesday, January 21, 2026

Participation

- Register in advance
- **No costs involved!**

Participate

To take part in the hackathon, please fill in and submit the [registration form](#)!

We will have implementations available at least from

- [Apotti](#)
- [City of Helsinki](#)
- [Duodecim](#)
- [Epic](#)
- [Findynet](#)
- [Forsante](#)
- [Gnomon Informatics](#)
- [HippocrAltes](#)
- [IHE Catalyst](#)
- [Kela](#)
- [MyHealth@MyHands](#)
- [Otos Health](#)
- [Sensotrend](#)
- [Scytáles](#)

The list of available implementations is updated up to the start of the event.

If you want to get listed on this page, or if you want to propose an additional track, please contact Heidi Hakala, the FHIR Ambassador of HL7 Finland, at heidi.hakala@productivityleap.com!

HL7 FINLAND



Finnish Health Data Hackathon Registration Form

Register to the Health Data Hackathon on January 19-21 2026

Family Name*

Enter text

Given Name*

Enter text

Organization*

Q&A

Finnish Health Data Hackathon

Topics

Patient Access track of the Finnish Health Data Hackathon

Finnish SMART IG

- Finnish Implementation Guide for SMART App Launch
 - Published by HL7 Finland
 - Looking for implementations and feedback
 - Also national adaptations (<https://hl7.dk/fhir/smart/>) and harmonization!

This page is part of the Finnish Implementation Guide for SMART App Launch (v2.0.0-rc3: STU² Ballot 2) based on FHIR (HL7® FHIR® Standard) R4³. This is the current published version. For a full list of available versions, see the [Directory of published versions](#)⁴

1 Home

Official URL: <https://hl7.fi/fhir/finnish-smart/ImplementationGuide/hl7.fhir.fi.smart>

Version: 2.0.0-rc3

Draft as of 2025-06-01

Computable Name: FinnishSmart

1.1 Welcome to the Finnish SMART App Launch Specification

This is the Finnish implementation guide for the SMART App Launch mechanism.

This is an R4 IG. None of the features it uses are changed in R4B, so it can be used as is with R4B systems. Packages for both [R4 \(hl7.fhir.fi.smart.r4\)](#) and [R4B \(hl7.fhir.fi.smart.r4b\)](#) are available.

It builds on top of both the HL7 [SMART App Launch](#) and the HL7 [International Patient Access](#) specifications.

| IG | Package | FHIR | Comment |
|---|------------------------------------|------|--|
| Flame icon: Finnish Implementation Guide for SMART App Launch | hl7.fhir.fi.smart#2.0.0-rc3 | R4 | |
| Flame icon: HL7 Terminology (THO) | hl7.terminology.r4#6.4.0 | R4 | Automatically added as a dependency - all IGs depend on HL7 Terminology |
| Flame icon: FHIR Extensions Pack | hl7.fhir.uv.extensions.r4#5.2.0 | R4 | Automatically added as a dependency - all IGs depend on the HL7 Extension Pack |
| Flame icon: Finnish Base Profiles | hl7.fhir.fi.base#1.0.0 | R4 | |
| Flame icon: International Patient Access | hl7.fhir.uv.ipa#1.1.0 | R4 | |
| Flame icon: SMART App Launch | hl7.fhir.uv.smart-app-launch#2.2.0 | R4 | |

- [Welcome to the Finnish SMART App Launch Specification](#)
- [Why Do We Need to Profile the SMART Specification?](#)
- [Notable SMART Implementations in Finland](#)
- [Profiling Approach](#)
- [Governance](#)
- [Collaboration](#)
- [Safety Considerations](#)
- [License and Legal Terms](#)

SMART App Launch is the mechanism through which third-party apps can be integrated with Electronic Health Record (EHR) systems. It specifies how apps gain knowledge of which practitioner or patient wants to access which patient's information, and how the app obtains the access token that can then be used to access further information.

You can think of it as a single-sign-on (SSO) mechanism, but it is actually a bit more and extends to communicating the context too.

When launched, the third party apps can either stand on their own or be embedded into the views of the EHR or a patient portal.

Table of Contents > Home

This page is part of the HL7 FHIR Implementation Guide: DK SMART (v1.0.0: Release) 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.dk/fhir/smart/ImplementationGuide/hl7.fhir.dk.smart | Version: 1.0.0 |
| Active as of 2025-02-01 | Computable Name: DKSsmart |

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| Flame icon International Patient Access | hl7.fhir.uv.ipa#1.0.0 | R4 | |
| Flame icon SMART App Launch | hl7.fhir.uv.smart-app-launch#2.2.0 | R4 | |

- [Welcome to the Danish SMART App Launch Specification](#)
- [Companion Specifications](#)
- [Why Do We Need to Profile the SMART Specification?](#)
- [I still don't follow - why do we need this?](#)
- [What about existing national login solutions?](#)
- [Notable SMART Implementations in other Nordic countries](#)
- [Profiling Approach](#)
- [Governance](#)
- [Danish Specific Considerations](#)
- [Collaboration](#)
- [Safety Considerations](#)
- [License and Legal Terms](#)

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When launched, the third party apps can either stand on their own or be embedded into the views of the EHR or a patient portal.

The SMART specification is suitable for both web based apps and native apps. It makes a distinction between [public and confidential apps](#).

City of Helsinki / Apotti / Epic

- A challenge from the City of Helsinki?
- Apotti is a local Epic installation
- Maisa, a localized MyChart patient portal and app



Manage Your Health and Social Care Anywhere, Anytime

Communicate with health and social care professionals, fill in medical history and self-assessment questionnaires or act on behalf of someone else.

View Test Results

View your lab and imaging results.

Contact Social Services

Submit a social care application or contact social services.

In case of acute health issues, contact your health centre. If the health centre is closed, call the free-of-charge medical helpline (Päivystysapu), tel. 116 117. In case of emergency, call 112.

Book an Appointment

Book your next appointment or view your past or future appointment details.

Request a Prescription Renewal

Access My Kanta Pages with a single sign-on.

Frequently Asked Questions

Find answers to [Frequently Asked Questions](#) about Maisa.

[Sign in to Maisa](#)[Submit a Social Care Notification](#)

Maisa is used in the services of HUS Helsinki University Hospital, the city of Helsinki and in the services of Vantaa and Kerava wellbeing services counties. Maisa is part of the Apotti system.

[FAQs](#)[Privacy Policy](#)[Terms and Conditions](#)[High Contrast Theme](#)[Important Notices](#)[Feedback](#)[Accessibility Statement](#)**MyChart** is **Epic**MyChart® licensed from Epic Systems Corporation © 1999 - 2025



The Apotti ecosystem

Apotti Online Sandbox instructions



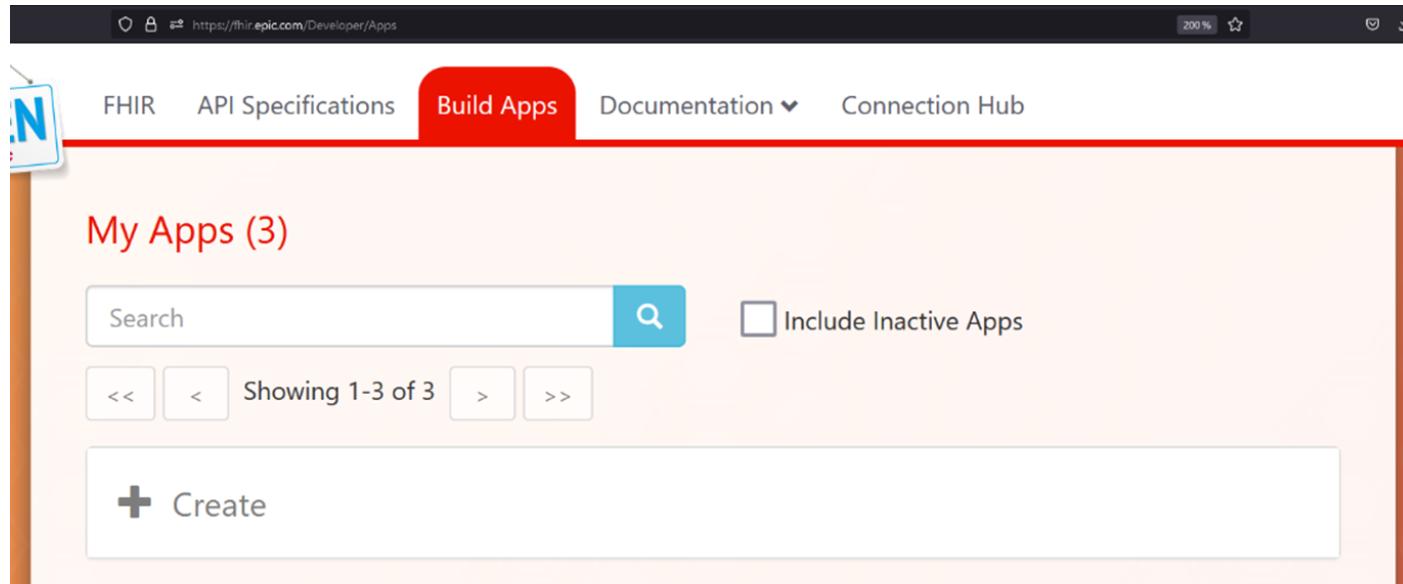
The Apotti Online Sandbox is a tool for interface testing as well as technical software testing and practice. We recommend the FHIR (Fast Healthcare Interoperability Resources) interface technology.

More background information is available at the end of these instructions.

In these instructions we presume that you are already familiar with FHIR interfaces and SMART Launch. A good source material is the <https://fhir.epic.com/> page and especially the Documentation tab.

Please also note, that we give instructions to the so-called standalone launch, i.e., starting your app without access to the Apotti end user interface (Hyperdrive). Access to this environment is limited by restrictions set by Epic. Apotti will help you in a separate phase when it becomes topical to embed your application into the end user interface or to the Maisa client portal.

- Get a Client ID:
 - You can get a Client ID from fhir.epic.com
 - Log in to fhir.epic.com
 - Select the “Build Apps” tab



The screenshot shows a web browser window with the URL <https://fhir.epic.com/Developer/Apps>. The page has a navigation bar with tabs: FHIR, API Specifications, Build Apps (which is highlighted with a red border), Documentation, and Connection Hub. Below the navigation bar, there is a search bar with the placeholder "Search" and a magnifying glass icon. To the right of the search bar is a checkbox labeled "Include Inactive Apps". Below the search bar, there are navigation buttons for "My Apps (3)" and "Showing 1-3 of 3". At the bottom left, there is a "Create" button with a plus sign. The overall interface is clean and modern, designed for managing healthcare applications.

City of Helsinki / Apotti / Epic

- <https://www.apotti.fi/en/the-apotti-ecosystem/>
- <https://fhir.epic.com/> (worth registering in advance!)
- <https://hl7.fi/fhir/finnish-smart/AuditEvent-apotti-ehr-launch-by-practitioner.html>
- A separate webinar tomorrow!
 - Tuesday, December 16, 2025 at 14:00 EET (13:00 CET)
 - See hackathon website for details!

Kanta APIs

- Wellbeing Applications Interface to the Kanta Patient Data Repository
 - Patient access to structured clinical data
 - CDA data served through a FHIR API
 - <https://www.kanta.fi/en/system-developers/hyvinvointisovellusten-rajapinta>
- Personal Health Record (PHR)
 - Platform for data from patients
 - FHIR server, FHIR profiles and API's
 - <https://www.kanta.fi/en/system-developers/kanta-phr>
 - Developer support being ramped down, due to upcoming changes

< System Developers

System Developers / Specifications / Wellbeing applications interface

SPECIFICATIONS

Common specifications

Prescription

Pharmaceutical Database

Patient Data Repository

Medical certificates and
forwarding them

Imaging Data Repository

The Client Data Repository for
Social Welfare Services

Kanta PHR

EU's Electronic Prescriptions
and Health Records**Wellbeing applications
interface**Specifications for the wellbeing
applications interfaceConnecting an application to the
wellbeing applications interface

Wellbeing applications interface

With the wellbeing applications interface, various applications and digital services can retrieve data from the Patient Data Repository with clients' permission. The interface enables the development of new types of health services.

You can find more information about the interface on the Finnish pages.

More information

- kanta@kanta.fi

What do you think of this page?

I found what I needed

I found some of what I needed

I did not understand it

I did not find what I needed

< System Developers

System Developers / Specifications / Kanta PHR

SPECIFICATIONS

Common specifications

Prescription

Pharmaceutical Database

Patient Data Repository

Medical certificates and
forwarding them

Imaging Data Repository

The Client Data Repository for
Social Welfare Services

Kanta PHR

Latest updates of the Kanta PHR

Specifications of the Personal
Health Record

Instructions

Linking an application with the
Kanta PHR

Development of the national data

Kanta PHR

Kanta PHR is a national data repository in which citizens can enter their wellbeing data.

Citizens enter their wellbeing data in Kanta PHR using wellbeing applications and measuring devices developed for such purpose. Further information about the service is available on the [kanta.fi](#) website:

- [Wellbeing data and measurement results](#)

A summary of the latest updates of the specifications is available on its own page:

- [Latest updates of the specifications for Kanta PHR](#)

Development of a wellbeing application

Anyone can develop a new wellbeing application that utilises Kanta PHR. The applications can be server-based or mobile applications. Their users may consist of citizens, professionals or both.

For wellbeing application suppliers, Kanta PHR offers the interfaces and the open national accepted data content based on the HL7 FHIR standard. The FHIR Rest API interfaces are specified in the Capability Statement description. The data content is developed in cooperation with various actors.

- [Data content](#)

xShare

- Yellow Button
 - Share your health data in European Electronic Health Record Exchange Format (EEHRxF) with a click-of-a-button
- Open Call 2025
- Industry Label
- Community of Excellence

The xShare Yellow Button

xShare envisions everyone sharing their health data in European Electronic Health Record Exchange Format (EEHRxF) with a click-of-a-button – the xShare or yellow button- to be featured across health portals and patient apps, allowing people to exercise their data portability rights under GDPR.



Digital Identity Wallets, NCP

- MyHealth@MyHands
 - Data chain involving EUDI Wallets, eHealth apps, national contact point infrastructure EU MyHealth@EU OpenNCP, and more
 - purpose-built for exploration and demonstrations.
 - <https://myhealthmyhands.eu/>
- MyData Global: Infrastructure Pilot for Wallets
 - International Patient Summary in the wallet as a credential
 - Participants: Eyd, Findynet, Sensotrend
 - Funded by the Nordic Culture Point

Person-Centred Health Management Through Access to Your Health Data Using EUDI Wallet Services

[Read More](#)



Digital Identity Wallets, NCP

- Separate webinar later this week!
 - Friday, December 19, 2025 at 12:00 EET (11:00 CET)
 - See hackathon website for details!

Participating

Patient Access track of the Finnish Health Data Hackathon

Participating on the Patient Access Track

- Fill in the Google Sheet at
<https://docs.google.com/spreadsheets/d/1MF02GaMasV3UJtPeZYTaZ753NqimmJOCHDsZHcktOI/edit?usp=sharing>
- Share your ideas and interests!

| | A | B | C | D | E | F | G | H |
|----|-----------------------------|-------------------|-----------------------|---|---|--|---|--|
| 1+ | Finnish Health Data Hack... | 1 | | | | | | |
| 2 | Organization | Contact | Email | Website | Topics | Products | Goals | Notes |
| 3 | Organization | Name | Website | | Products | | Goals | Notes |
| 4 | Organization | Name | Website | | Products | | Goals | Notes |
| 5 | Organization | Name | Website | | Products | | Goals | Notes |
| 6 | Organization | Name | Website | | Products | | Goals | Notes |
| | Sensotrend Oy | Mikael Rinnetmäki | mikael@sensotrend.com | https://sensotrend.com/ | Finnish ... City of ... Kanta xShare Identity ... | Sensotrend Connect , a remote monitoring solution for diabetes Sensotrend Care Plan , a care plan app for people living with diabetes Terveystiedot talteen , a patient data access app Sensotrend IPS , an International Patient Summary app | 1) Our main priority is to see the hackathon take place and succeed. We want people to come together and build great solutions for healthcare. We want to boost uptake of standards and specifications by demonstrating what can be achieved with them. 2) We want to take this opportunity and further evolve our integration with Apotti, by adding write capabilities of our remote monitoring solution, through the Maisa patient portal. Our app would be sending glucose measurement info (Observations) to Apotti through Maisa in real time. We'd like to see and discuss how the information should be presented in Apotti. We'd use the FHIR CGM spec (https://hl7.org/fhir/uv/cgm/) for this. 3) We want to continue our work with Findynet, Eyd, and MyData Global to evaluate how digital identity wallets can be used for storing and sharing patient data. We aim to have an International Patient Summary stored (issued) and visible on multiple wallets in an interoperable way, and hope to learn about ways in which the IPS can be shared from the wallet. We're also interest in participating on some activities on the Care Plan track. | We have built several integrations to Epic, Cerner/Oracle, and other EHRs over the years. Happy to help if someone needs assistance. We've implemented the Kanta API for patient-facing apps, and can share insights. We've also implemented the Kanta PHR integration in the past and can discuss our experiences regarding that. We're part of the EU project MyHealth@MyHands that's also involved on the track, and can share relevant info. We're involved in the MyData Global project combining, Patient Summaries, Digital Identity Wallets, and AI. Happy to explain that project. |

A2 | fx

| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|----|-------------------------|--------|------------------|------------------|----------|-------|-------|---|---|---|---|---|---|
| 1 | Scheduled Presentations | | | | | | | | | | | | |
| 2 | Tr Topic | Topics | Start time | End time | Location | Owner | Notes | | | | | | |
| 3 | Topic | | dd/mm/yyyy xx:xx | dd/mm/yyyy xx:xx | Place | Name | Notes | | | | | | |
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| 19 | Topic | | dd/mm/yyyy xx:xx | dd/mm/yyyy xx:xx | Place | Name | Notes | | | | | | |
| 20 | Topic | | dd/mm/yyyy xx:xx | dd/mm/yyyy xx:xx | Place | Name | Notes | | | | | | |

Add 1000 more rows at the bottom

| Patient Access Track on the Finnish Health Data Hackathon | | | | | | | | | | | | |
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| 22 | Idea | | | | | Name | | | | dd/mm/yyyy | Notes | |
| 23 | Idea | | | | | Name | | | | dd/mm/yyyy | Notes | |
| 24 | Idea | | | | | Name | | | | dd/mm/yyyy | Notes | |
| 25 | Idea | | | | | Name | | | | dd/mm/yyyy | Notes | |
| 26 | Idea | | | | | Name | | | | dd/mm/yyyy | Notes | |

Sponsors

HL7 FINLAND



Q&A

Patient Access track of the Finnish Health Data Hackathon

Next Webinars

- City of Helsinki / Apotti / Epic
 - Tuesday, Dec 16, 13:00 CET
- Care Plans and Clinical Reasoning
 - Thursday, December 18, 14:00 CET
- Wallets, national contact points (NCP)
 - Friday, December 19, 11:00 CET

**Thank you for
participating!**