



The Yellow Button and xShare: Citizen Data Portability in Action

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The Yellow Button and xShare: Citizen Data Portability in Action



 About xShare

 The Yellow Button vision

 Data exchange in action



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xShare...



..Expanding the European **EHRx** to

share and effectively use



health data within the **EHDS**



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The xShare three pillars



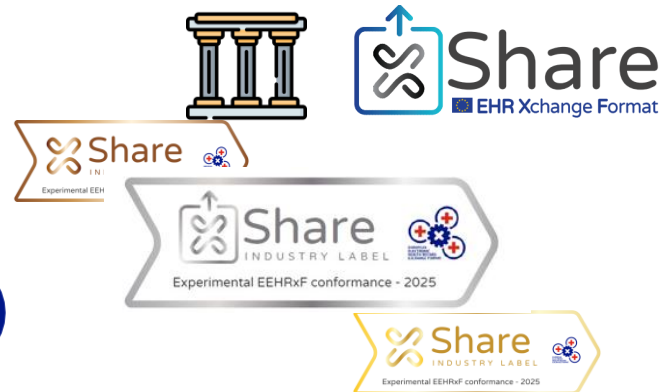
The “Yellow button”

Everyone can **share their health data** in EEHRxF with a “**click-of-a-button**”



The Hub

Build a **European EHRxF Standards and Policy Hub** sustainable by design.



The Industry label

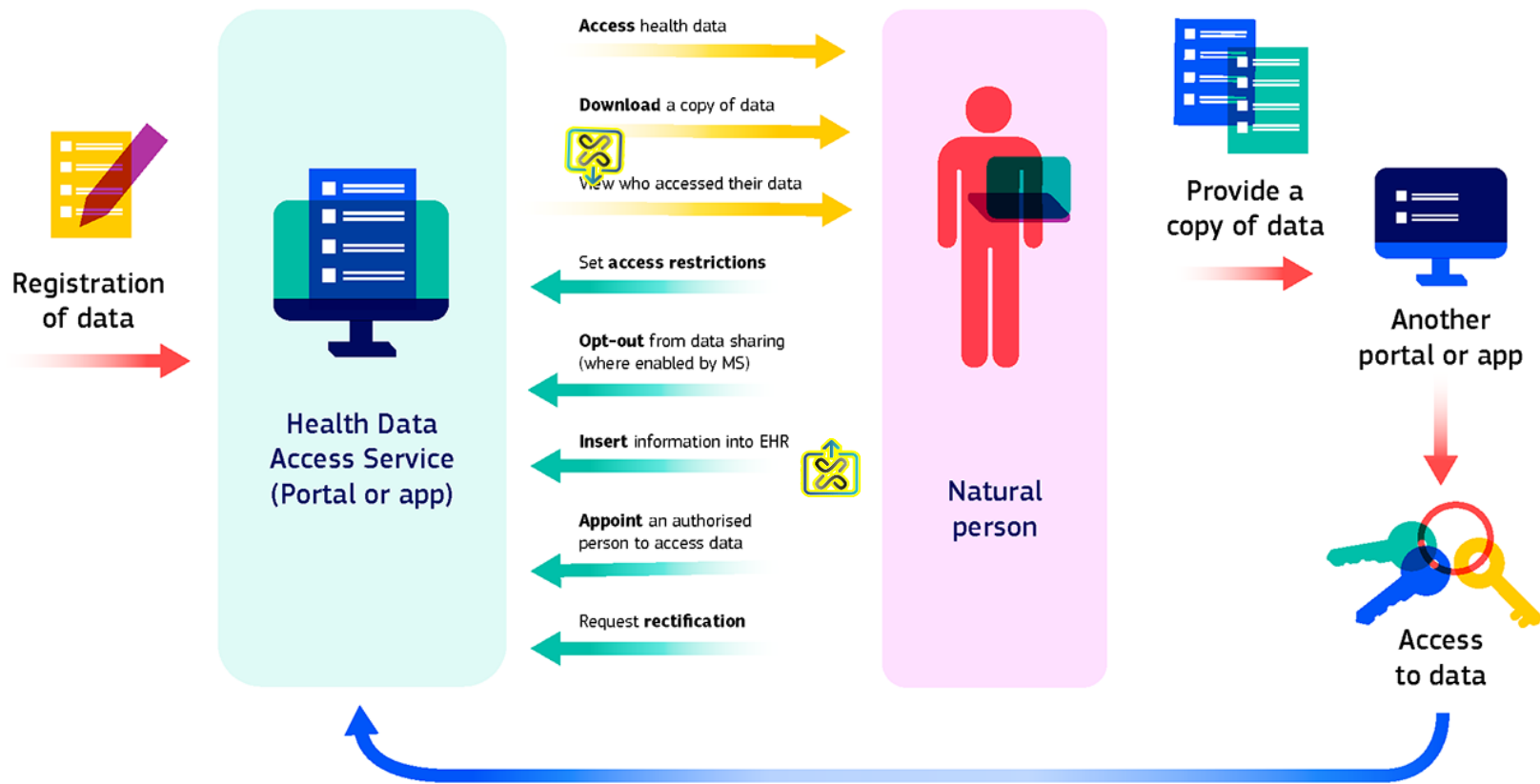
Explore the **feasibility and value** of an EU xShare Industry label



xShare Vision: Everyone can share their health data in EEHRxF (the format) with a click-of-a-button in the European Health Data Space (EHDS)

EHDS: Rights of natural persons in primary use

placing patients at the center of their health and care



Access by treating health professionals through the health professional access service (via MyHealth@EU or national solutions), **including emergency access**

Source: European Commission

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The xShare project vision: the Yellow Button



The “Yellow button”

Everyone can **share their health data** in EEHRxF
With a **“click-of-a-button”**



The xShare Yellow Button

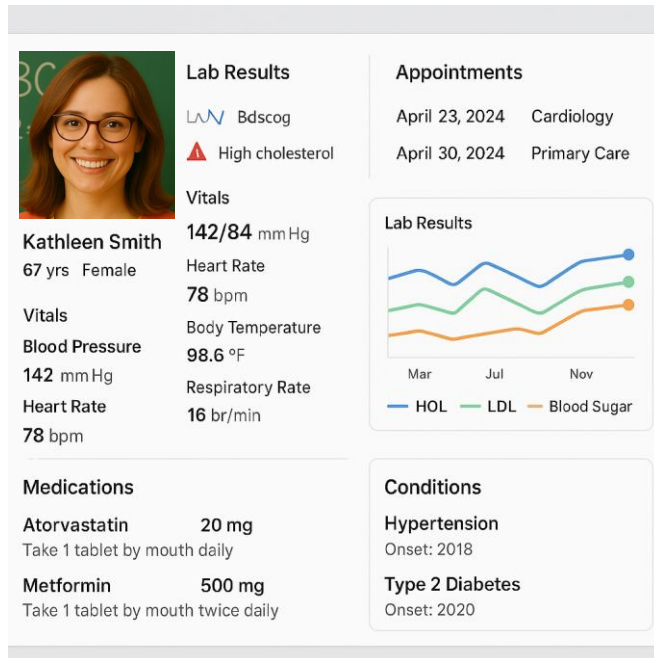
The xShare Yellow Button, to be featured across health portals and patient apps, will enable people to share their health data in European Electronic Health Record Exchange Format (EEHRxF) with a click-of-a-button.



The Yellow Button in xShare

 With the yellow button, patients can

- **Download** their data from hospitals
- **Upload** their data
- **Import** their data in smartphone apps
- **Share** their data with doctors (possibly abroad)
- **Follow** the progress of their health
- **Co-relate** with the data of family members
- **Have the full-picture of their health**

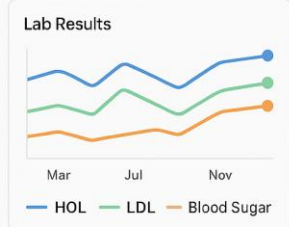


Lab Results
Bdscog
▲ High cholesterol

Vitals
142/84 mmHg
Heart Rate 78 bpm
Body Temperature 98.6 °F
Respiratory Rate 16 br/min

Appointments
April 23, 2024 Cardiology
April 30, 2024 Primary Care

Lab Results



Month	HOL	LDL	Blood Sugar
Mar	~120	~100	~100
Jul	~130	~110	~110
Nov	~140	~120	~120


Conditions
Hypertension
Onset: 2018
Type 2 Diabetes
Onset: 2020

Medications
Atorvastatin 20 mg
Take 1 tablet by mouth daily
Metformin 500 mg
Take 1 tablet by mouth twice daily



The European EHR Exchange Format (EEHRxF)



 EHDS Article 15 mandates a format for the transmission of health data: the European Electronic Health Record exchange Format (EHRxF)

The Format

- Is based on existing standards and specifications
- Has been further elaborated among EC and Member States (Xt-EHR)
- Will be officially published on/before 26 March 2027

Article 15

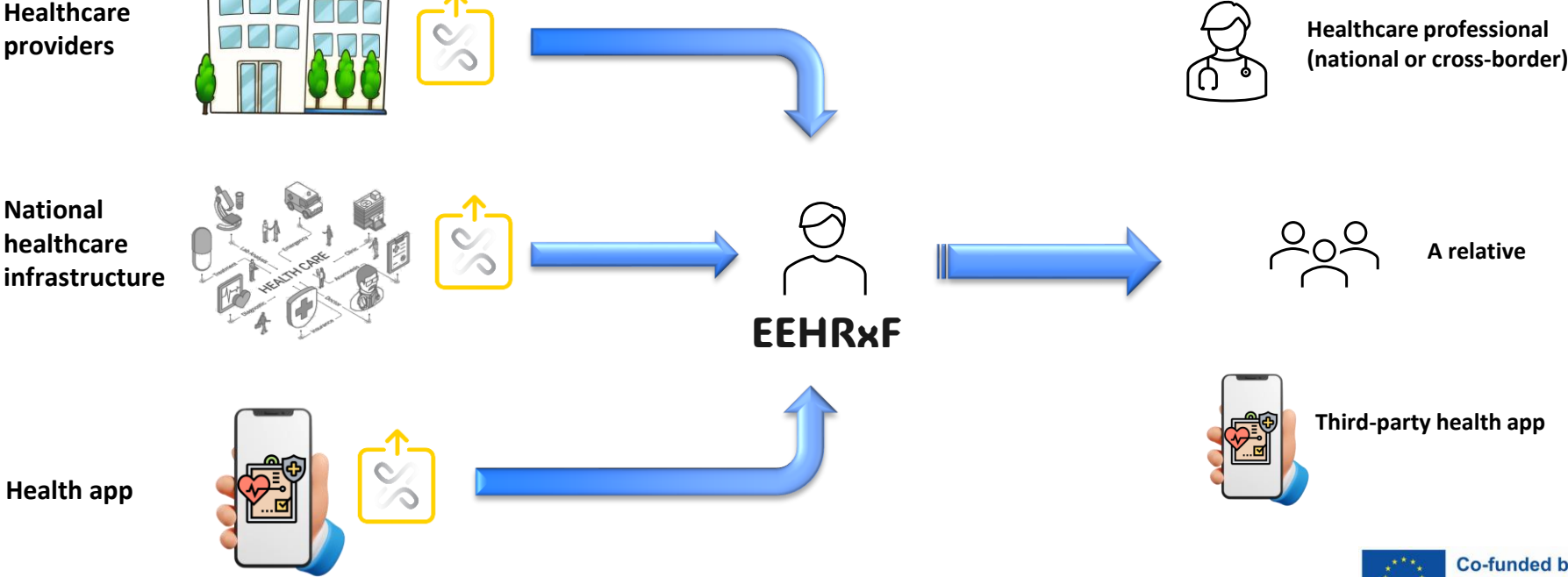
European electronic health record exchange format

1. By 26 March 2027, the Commission shall, by means of implementing acts, lay down the technical specifications for the priority categories of personal electronic health data referred to in Article 14(1), setting out the European electronic health record exchange format. Such format shall be commonly used, machine-readable and allow transmission of personal electronic health data between different software applications devices and healthcare providers. Such format shall support transmission of structured and unstructured health data and shall include the following elements:

- (a) harmonised datasets containing electronic health data and defining structures, such as data fields and data groups for the representation of clinical content and other parts of the electronic health data;
- (b) coding systems and values to be used in datasets containing electronic health data;
- (c) technical interoperability specifications for the exchange of electronic health data, including its content representation, standards and profiles.

The implementing acts referred to in the first subparagraph of this paragraph shall be adopted in accordance with the examination procedure referred to in Article 98(2).

xShare Yellow Button



xShare “Yellow” Button Vision

Click'n share their health data in EEHRxF at a click-of-a-button



Download



One-time share



Linked options



-  Laboratory Report
-  Hospital Discharge Report
-  Patient Summary
-  Imaging Report
-  ePrescription/ Dispense
-  **IPS+R for Research**
-  **Care Plans**



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Yellow Button IG - <https://build.fhir.org/ig/hl7-eu/xShare/>

Share
EHR Exchange Format

xShare Project Yellow Button
0.3.0-ci - ci-build 150

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xShare Project Yellow Button, published by xShare Project. This guide is not an authorized publication; it is the continuous build for version 0.3.0-ci built by the FHIR (HL7® FHIR® Standard) CI Build. This version is based on the current content of <https://github.com/hl7-eu/xShare/> and changes regularly. See the Directory of published versions.

1 Home

Official URL: http://hl7.eu/fhir/ig/xshare-yb/ImplementationGuide/hl7.eu.fhir.xshare-yb	Version: 0.3.0-ci
Active as of 2026-05-06	Computable Name: XshareYbIg

This specification is subject to continuous maintenance.

Revisions and extensions may be introduced over time, including updates to the business scenarios and to the reference technical specification.

Readers should be aware that changes may occur and are encouraged to stay informed about the latest developments.

Contents:

- Scope
- Purpose
- Get Started
- Understand this Guide

1.1 Scope

This guide provides instructions to help you understand, implement, conform to, and label your product in accordance with the **xShare Yellow Button**.

More contextual information about the xShare Yellow Button, including tools and supporting material can be found at the [X-Bundle Registry](#).

1.2 Purpose

The **xShare Yellow Button** is a simple way to share your data with a single click .

This guide explains how to understand, implement, and conform to the xShare Yellow Button specification.

It is intended for developers, implementers, and testers of systems that use the xShare Yellow Button.

The xShare Yellow Button enables natural persons to share their health data in European Electronic Health Record Exchange Format (EEHRxF) by offering three main



The xShare Yellow Button

The xShare Yellow Button, to be featured across health portals and patient apps, will enable people to share their health data in European Electronic Health Record Exchange Format (EEHRxF) with a click-of-a-button.



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Personas | 29/06/25

Madeiran retired nurse uses xShare Yellow Button to take charge of his care across providers



Personas | 29/06/25

French Crohn's patient uses xShare Yellow Button to simplify chronic care and improve quality of life



Personas | 29/06/25

Irish surgeon uses xShare Yellow Button to stay in control of his Diabetes care



Personas | 29/06/25

Danish researcher uses xShare Yellow Button to stay ahead in managing Type 2 Diabetes



Personas | 29/06/25

Cypriot cancer survivor uses xShare Yellow Button to ensure safe and informed care



Personas | 29/06/25

Elderly Italian patient uses xShare Yellow Button to stay in control of her health



Personas | 29/06/25

Catalan mother uses xShare Yellow Button to take control of her health journey



Seven adoption sites already in the xShare project
+
the results of the ongoing open calls



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Ongoing open call for Yellow Button implementers (here: 2nd call)

May 2026

July 2026

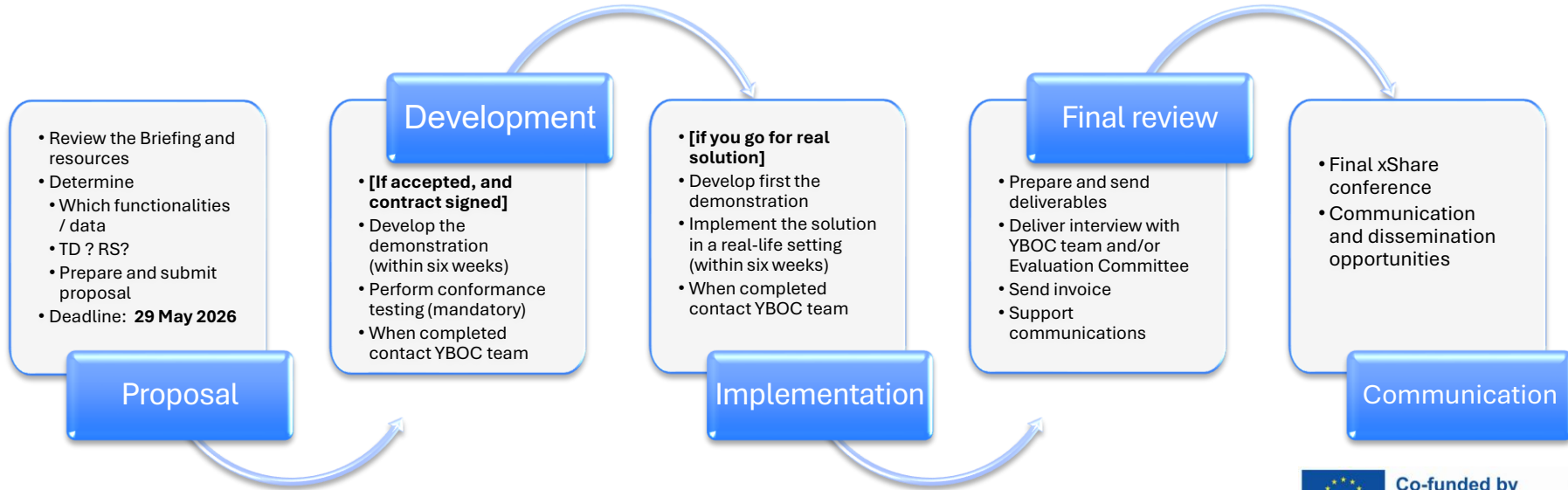
September 2026

November 2026

June 2026

August 2026

October 2026



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Two options, conditions, and timelines

“Technical Demonstrations” have six weeks / 42 days

- A solution development (“proof of concept”)
- Gazelle conformance testing
- Final review with the evaluation committee
- Deliverables

“Real solutions” have another six weeks (total of 84 days)

- Solutions implemented “in real life”
- Final review at the end of the implementation
- Additional deliverables



Why should developers and providers join?

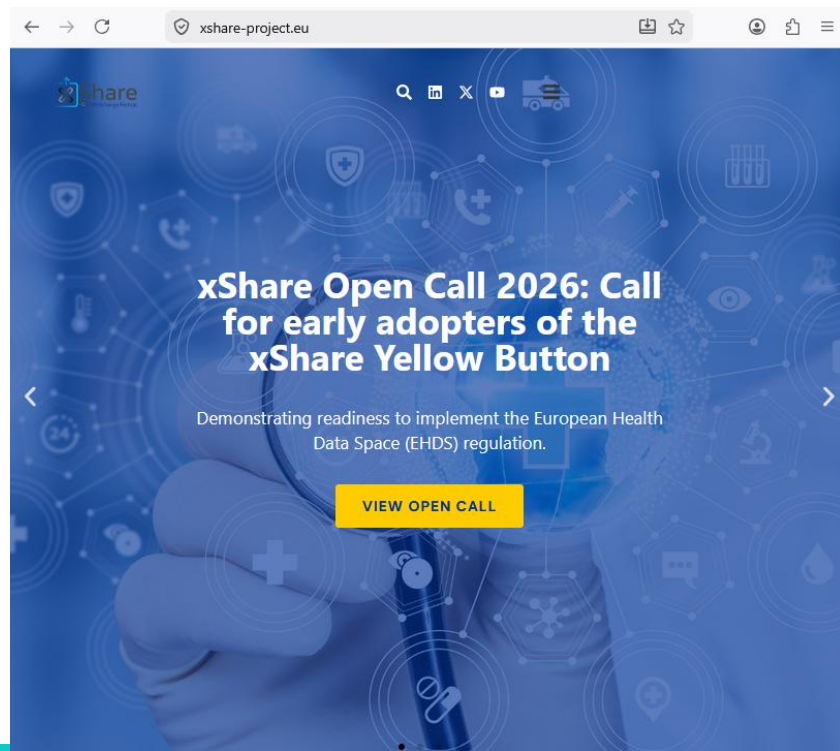


Incentives

- Deliver proof of EHDS readiness
- Up to EUR 12,500 in funding
- Dissemination opportunities

Next steps

- Go to <https://xshare-project.eu/>
- Leave your email in the expressions of interest form
- Learn when the next call is launched





Thank you!