



xShare Open Call

Yellow Button for Data Portability under GDPR

Briefing

Introduction

The xShare project, in collaboration with the European EHRx F Standards and Policy Hub, is relaunching the xShare Open Call for early adopters of the **xShare Yellow Button, to demonstrate readiness to implement the European Health Data Space (EHDS) regulation.**

This open call invites startups and SMEs, digital health app developers, EHR vendors, and wellness platform providers to innovate using the xShare “Yellow” Button concept – a one-click solution for individuals to access and share their health data securely with health systems in Europe, built in conformance with the European Electronic Health Record Exchange Format (EEHRx F).

Your proposal

Your proposal should show how you integrate the **xShare Yellow Button** into real-world healthcare or wellness scenarios, showcasing how one-time health data sharing can improve care delivery, personal health management, or research.

We seek proposals for **two types of solutions:**

- **Technical demonstration:** A non-production implementation used to showcase, test, or validate specific functionalities of the xShare Yellow Button specification in a controlled or experimental environment. You will have up to six (6) weeks to build your demonstration.
- **Real solution:** An actual implemented system or product that conforms to the xShare Yellow Button specification and delivers its functionality in a real-world environment. You will have up to an additional six (6) weeks, bringing the total to a maximum of twelve (12) weeks, to develop and demonstrate your solution.

Innovative proposals should explore one or more of the following **functionalities:**

- **Download – Provider:** A system or service that makes a person’s health data available for download when the user activates the Yellow Button.

- **Upload – Consumer:** A system or application that receives health data uploaded by a user and processes or stores it for further use.
- **One-Time Share Smart Health link* Provider:** A system or service that generates a secure, single-use link allowing a person to share their health data exactly once with a recipient.
- **One-Time Share Smart Health Link* Consumer:** A system or application that accesses and retrieves health data through a secure, single-use Smart Health Link provided to it.

These solutions or demonstrations should use medical data from one or more of the **following EHDS data categories**:

- **Patient Summaries** (e.g. medical history, allergies, medications)
- **ePrescriptions** (digital prescriptions)
- **eDispensations** (... and their fulfilment)
- **Medical test results including laboratory reports**
- **Medical Images and Reports** (radiology images and their interpretations)
- **Discharge Reports** (summaries of hospital stays)

These data categories correspond to the priority categories of personal electronic health data for primary use defined in the EHDS Regulation, Art. 14, and in the European Electronic Health Record Exchange Format (EEHRxF).

In sum, we see the following matrix of possible solutions for the xShare Yellow button:

Functionalities: → Data categories: ↓	1. Download – Provider	2. Upload – Consumer	3. One-Time Share Smart Health link Provider	4. One -Time Share Smart Health Link Consumer
Patient summaries				
Electronic prescriptions				
Electronic dispensations				
Medical images and reports				
Medical test results including laboratory reports				
Discharge Reports				

(For detailed description and definitions of the data categories and functionalities please consult Annex 1.)

We encourage projects that demonstrate novel data-sharing workflows in compliance with privacy and security best practices. A proposed solution may cover several functionalities or data categories, and is expressly encouraged.

Business and technical specifications

- For detailed list and explanations of data categories please refer to Annex 1.
- For a complete overview of yellow button functionalities, business use cases, examples and implementation guides, see <https://hl7.eu/fhir/ig/xshare-yb/>.
- Smart Health Links are an emerging standard (based on HL7 FHIR) that facilitates portability of health information by allowing patients to share a package of their data through a verifiable link. Relevant specifications can be accessed at <https://hl7.eu/fhir/ig/xshare-yb/get-started-share.html>.

Proposal submission deadline

Applicants should complete and send their proposal before **Friday, 29 May 2026, 23.59 CEST**. The online form can be accessed [on the xShare website](#).

Depending on the level of participation, we anticipate launching a final call for proposals in June 2026, with revised conditions, including expanded functionalities, updated testing requirements, and adjusted timelines.

Selection procedure, contract and award

Eligibility

The proposal submitters should meet the following criteria:

- They should be a “legal entity”, an organisation that is formally registered and recognised in their country of registration.
- They need to have operations in the European market (defined as the European Economic Area, EU accession countries, and the UK): either they are
 - A registered legal entity in one of these countries, or
 - They demonstrate operations (CE-marked products, implementations, etc.)
- They need to show an app/web portal for patients where the Yellow Button will be integrated

Only one proposal per organisation can be submitted.

Initial evaluation and screening

After initial screening, proposals will be considered by an evaluation committee of clinical and technical experts. Selection criteria will include:

- Is the table with the functionalities and priority categories completed?
- Does the proposal narrative match the table?
- Can the proposed implementation be completed within six weeks (for a technical demonstration) or twelve weeks (for a real solution)?
- Does the organisation have experience with the EEHRxF, i.e. has it undergone testing/validation?
- Does the planned implementation demonstrate meaningful impact or clear potential to deliver value for patients or healthcare systems?

Is the proposal a “real solution” implementation or a technical demonstration? There is a preference for real solutions, but technical demonstrations are acceptable.

Award testing and validation

Successful proposals are eligible to receive awards of up to EUR 10,000, as follows:

One functionality / one data category	EUR 3,000
Two functionalities / one data category	EUR 5,000
One additional data category (total of two)	EUR 2,500
One additional data category (total of three)	EUR 2,500
Additional data categories or functionalities*	————
Maximum total	EUR 10,000
Bonus for real implementation (confirmed upon validation)	EUR 2,500
Maximum total for real implementation	EUR 12,500

Candidates who have passed the initial evaluation will be notified and will receive a service contract proposal. The following conditions will be included in the contract:

- Upon signature, awardees will be required to build a yellow button technical demonstration **within six weeks**.
- During that time they are required to **successfully pass an online EHRxF conformance test on the IHE Europe Gazelle platform** for each data category they applied (see Annex 2).

* Applicants will receive funding for a maximum of three data categories, out of six possible total (see Annex 1). If applicants propose to implement Yellow Buttons capable of handling more than three data categories, they are encouraged to do so. For payment, successful Gazelle validation reports for three categories must be produced.

- Developers of “real solutions” may apply for additional time (up to six weeks) to implement the yellow button in a real environment in Europe.
- ALL developers, those of technical demonstrations AND those of real solutions, must **demonstrate the Yellow Button implementation** to members of the Evaluation Committee.
- Awardees are also required to produce deliverables that may vary from awardee to awardee, but include:
 - A successful Gazelle test validation for each data category selected
 - A slide deck and a video of their Yellow Button implementation
 - A Data Protection Impact Assessment (for real solutions only)

After these conditions are met, the award will be disbursed.

Successful awardees may be invited to receive recognition on the xShare website and the final xShare event in November 2026. They may also apply to receive an xShare Industry label (see <https://xshare-project.eu/xshare-industry-label/>).

Additional resources

For successful Yellow button implementations please consult:

- The xShare Yellow Button implementation in Italy:
https://youtu.be/5y8I9_g96M0
- The xShare Yellow Button implementation in Catalonia
<https://youtu.be/6n3SSqQ8xcQ>
- All developers must undergo Gazelle testing. Consult Annex 2 with a summary of the testing requirement, or download the [Gazelle User Guide](#).

In Mid-May the xShare consortium plans to deliver a **Yellow Button Open Call webinar** to present the call, discuss details, and answer questions. Please complete the [expression of interest form](#) to be added to the mailing list to receive a notification when the webinar registration is launched.

Annex 1: Yellow button data categories

Data categories (short)	Data categories: full definition	Corresponds to EHDS priority category of data (Article 14)	Corresponding European FHIR Implementation Guide (for Gazelle testing)
Patient summaries	Summarized clinical and administrative data essential for safe and efficient care (e.g., personal details, allergies, medical history).	patient summaries	HL7 International Patient Summary FHIR IG v2.0.0
Electronic prescriptions	Prescriptions issued in an electronic format	electronic prescriptions	HL7 EU Medication Prescription and Dispense FHIR IG v0.1.0-ballot
Electronic dispensations	Records of medicines dispensed based on electronic prescriptions	electronic dispensations	HL7 EU Medication Prescription and Dispense FHIR IG v0.1.0-ballot
Medical images and reports	Diagnostic images (e.g., X-rays, MRIs) and their associated reports	medical imaging studies and related imaging reports	HL7 EU Imaging Report FHIR IG v0.1.0-snapshot1 IHE Manifest-based Access to DICOM Objects (MADO) v0.6
Medical test results including laboratory reports	Including laboratory and other diagnostic results and related reports	medical test results, including laboratory and other diagnostic results and related reports	HL7 Europe Laboratory Report FHIR IG v0.1.1 MyHealth@EU Laboratory Report FHIR IG v0.1.1
Discharge Reports	Summaries of hospital discharges or care episodes	discharge reports	HL7 Europe Hospital Discharge Report FHIR IG v0.1.0-ballot

Annex 2: Gazelle testing requirement

Awardees are required to demonstrate compliance with relevant data formats in an online testing session within six weeks of contract signature. Testing is free and online on the IHE Gazelle testing platform. Applicants are encouraged to test already during the application phase or upon selection / contracting. **Payment is contingent upon successful testing for each EHDS data category they apply for.**

The Continuous testing platform

A Continuous Testing Platform has been set up and is available for use by open call participants:

- Access the Testing platform: <https://ehds.gazelle-platform.net/tm>
- Download the Gazelle User Guide:
https://drive.usercontent.google.com/download?id=1-3pvA71RSvb_VcLdL9o5zlqqKlkvhNRI

Framework for validation of the tests

The IHE team will validate tests within the following framework:

The awardee logs on to the Gazelle platform after having studied the user guide (link above), and provides the following information:

- A link and identifier (number) of the test instance
- The name of the organisation
- The priority category selected for the test

The IHE team will issue a validation report based on the agreed calendar (see below). This report will confirm that the awardee has:

- successfully validated its priority category document against the xShare FHIR Implementation Guide, and/or
- successfully retrieved (downloaded) its priority category document

Note: IHE does not issue or attest any labels as part of this validation process. The responsibility for defining and awarding labels (including silver labels) lies solely with the xShare project.

Tests must be completed before midnight on the day preceding the selected validation date.

Open call participants may also raise questions, which will be addressed during the scheduled validation sessions.

Planned validation session dates

- Wednesday, 13 May 2026
- Friday, 29 May 2026
- Friday, 12 June 2026
- Friday, 26 June 2026
- Monday, 20 July 2026
- Friday, 21 August 2026
- Friday, 18 September 2026

Additional dates after September may be added upon mutual agreement.





















Tests available in the continuous testing platform

Content validation test cases

This testing platform is composed of the following content validation test cases:

Those content validation tests are based on the EEHRxF IG's.


Note: No peer to peer testing will be performed

EU Hospital Discharge Report Validation and Sample Sharing	EU2026	ready	connectathon	No Peer	false	Wei Jing TEY	Wei Jing TEY	21/03/26 13.04.20	   
EU Imaging Study Report Validation and Sample Sharing	EU2026	ready	connectathon	No Peer	false	Wei Jing TEY	Wei Jing TEY	21/03/26 11.40.22	   
EU Laboratory Result Report Validation and Sample Sharing	EU2026	ready	connectathon	No Peer	false	Wei Jing TEY	Wei Jing TEY	21/03/26 11.40.40	   
EU Medication Prescription and Dispense Validation and Sample Sharing	EU2026	ready	connectathon	No Peer	false	Wei Jing TEY	Wei Jing TEY	21/03/26 11.38.54	   
EU Patient Summary Validation and Sample Sharing	EU2026	ready	connectathon	No Peer	false	Wei Jing TEY	Wei Jing TEY	21/03/26 11.39.17	   

Each test case is composed only by this test step (example of Patient Summary)

Test Steps

EU Patient Summary Validation and Sample Sharing

 PATIENT_SUMMARY_CONTENT_CREATOR:CONTENT_CREATOR

Share and validate your sample as described in the Test Description.

[Proof of test] Copy and paste the sample permanent link to the test step.

You may upload multiple samples of the same sample type.

Step Index	Initiator Role	Responder Role	Transaction	Secured	Message Type	Option	Description
20	PATIENT_SUMMARY_CONTENT_CREATOR	PATIENT_SUMMARY_CONTENT_CREATOR		<input type="checkbox"/>	EVIDENCE	Required	Share and validate your sample as described in the Test Description. [Proof of test] Copy and paste the sample permanent link to the test step. You may upload multiple samples of the same sample type.

Input and Output Contextual Information (0 - 0)

Summary

Description

Roles

Steps

Comments

This is the description for the Patient Summary Validation test:

Overview

This test case verifies that the FHIR document produced by the Content Creator (SUT) correctly represents a Patient Summary and conforms to the **HL7 Europe Patient Summary v1.0.0-alpha**, and the validated document should be uploaded to the Gazelle Sample Exchange and rendered by the Consumer in xxx test.

1. Document Sharing

1. Go to Menu -> Testing-> Sample Exchange.
2. Select your system under test, on the "**Samples to share**" tab, click on the "**Patient Summary**".
3. If possible, enter a brief description of the document. This will be very helpful to the Document Consumer.
4. Click on the "File" tab, upload your document.
5. Validate your document by selecting <http://hl7.eu/fhir/eps/StructureDefinition/bundle-eu-eps|1.0.0-alpha>.
Validation shall be **PASSED**.
6. Copy and paste the sample permanent link to the test step.
7. You may upload multiple samples of the same sample type to the test step.



Patient Summary - Upload file and Name the Sample
 <ORGANIZATION_KEYWORD>_PS_<DESCRIPTION> | PS_Simple

Id: 41
Sample Name: PS_Simple
Sample Type: Patient Summary
System Creator: CONTENT_CREATOR_Demo_Org
Organization: Demo Healthcare Organization
Date of creation: 3/21/26 8:58:40 AM
Usage: connectathon
Permanent link: <https://ehds.gazelle-platform.net/tm/objects/sample.seam?id=41>

Description

2. Copy permanent link to test instance as proof of test

File(s) uploaded by the creator of the sample

Type	File name	Last validation status	Actions
JSON	Bundle-ex-KH.json	NOT PERFORMED	 

EVS Client results (click to open)

Snapshot(s) uploaded by the creator of the sample

1. Validate your document

Evaluation

The validation result should be **PASSED**.

The sample is uploaded to the Gazelle Sample Exchange

1. Authenticate yourself as a natural person on your app (use the credentials of a patient who has at least one document available in his record) and access the xShare Yellow Button download feature.
2. Search and select the document or data you want to download among the ones available for the authenticated
3. Download the document.

The evaluation criteria below describe the evidences you are requested to provide through the Gazelle testbed.

Evaluation

The following pieces of evidence are required:

step 10:

Screenshot of the application demonstrating that the person authenticated is a Natural Person - the screenshot shall display at least First Name, Last Name and email address (criteria to be determined according to AS application)

Step 20:

Screenshot of the app showing the selection of the document (filter step).

Step 30:

Screenshot showing that the document has been retrieved (please make sure we see the type of document and the information about the patient demographics to compare with the query)

Checks to be done:

Step 10:

The logged-in user is a natural person

Authentication has been performed in conformance with the European Regulations.

Step 30:

Verify that the name and first name in the document reflect the names displayed on the screenshot (step 10)

Verify that the type of document is the one selected in the app (step 20)