

XpanDH is a two-year Horizon Europe project that aims to empower people and organizations to create, adapt, and explore the use of digital health solutions.

We have done this by promoting the adoption of the European Electronic Health Record Exchange Format (EEHRxF), which makes it possible for different digital health tools to communicate with each other in a safe and secure manner. Our mission has been to promote true and participatory involvement from all stakeholders in the implementation, adoption, and dissemination of EEHRxF. We've demonstrated the feasibility of real-world experimentations with a set of EEHRxF early adopters' that allow the refinement of the guidance material and create reference cases to stimulate ecosystem maturation (X-Bubbles). Early adopters not only have found the guidance produced useful but also have contributed to creating conditions for the intentional use of the EEHRxF in concrete health and care domains.

**XpanDH had an exciting vision for the future of healthcare. We were collectively working together with key stakeholders on four key areas:**



### Establishing and sustaining

a scalable infrastructure for digital health innovation that can keep up with our ever-changing needs.



### Creating and validating

a framework that will allow others to build on our work and continue to innovate in the digital health space.



### Building a network

of digital health innovators across Europe through a Pan-European ecosystem to collaborate and share expertise.



### Demonstrating the feasibility

of real-life digital solutions that can be used by anyone, anywhere – from individuals to healthcare professionals and researchers.

## XpanDH's key achievements over two years (2023–2024)

1

**X-Nets:** Built a network of diverse healthcare stakeholders—including patients, providers, industry leaders, and policymakers—to create a unified ecosystem for digital health innovation. *The network will become a part of xShare project's Standards and Policy Hub.*

2

**Community of Doers (CoD):** Engaged a collaborative group of patients, professionals, and developers in co-creating practical digital health solutions. Four active working groups have focused on: 1/ ePrescription/eDispensation/ePatient Information, 2/ Multidisciplinary Tumour Boards for Cancer Patients, 3/ Telehealth – Teleconsultation encounter reports, 4/ Patient-mediated access and viewing of medical imaging reports.

3

**X-Bundles:** Developed comprehensive toolkits and resources (interoperability assets) to support EEHRxF implementation, complete with asset metadata descriptions and a maturity mapping framework. *This work will continue within xShare and Xt-EHR projects*

4

**Sustainability recommendations:** Provided formal recommendations for sustainable digital health ecosystems, with a focus on regulatory alignment, cybersecurity, and ethical practices.

## XpanDH's key achievements over two years (2023–2024)

### Technical Guidelines

Digital health compass and FHIR IG repositories supporting EHRxF standards.

### X-Bundle Readiness Models

Tested with healthcare providers and industry partners

### Feasibility Demonstrations

EHRxF-based infrastructure demonstrated through 'X-Bubbles.'

## What are the next steps for XpanDH?

### Continued stakeholder engagement

Strengthen partnerships with existing X-Nets and introduce new participants for a broader reach

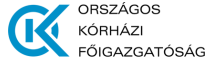
Expand Community of Doers initiatives to ensure a sustainable co-creation model.

### Focus on sustainability

Develop final governance models and repository guidelines to support long-term ecosystem use

Transition from project-based to community-driven support for XpanDH outputs in future EU health interoperability projects

XpanDH has been possible thanks to the engagement of partners who are dedicated to improving digital health solutions in Europe



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