Power to the People
Are we really ready for this?

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Current scenario
Health Professionals can access data

Country B
- Health professional
- Portal B or alternative system
- NCP-B
  - Patient identifiers
  - Translated data

Country A
- Consent for eHDSI services, if needed
- NCP-A
  - Data sources, national infrastructure

Source: DG SANTE, 2022
New Architecture

Country B
- Health professional
- Showing the data
- Toolbox of App Components

Country A
- OpenNCP
- Pivot
- Consent for eHDSI services, if needed
- Consent for the use of the app

Central Terminology Services
- MTCs of other Member States

Near Future Use
Pervasive Health

Country A Infrastructure
- NCP Server
- National interfaces and APIs
- Consent for EHDS services
- Consent for the use of the app

Country B
- Computing
- Pivot

Mobile Backend
- PATH2D
- EUDIW
- EUDI Wallet
- Mobile App backend
- Mobile App backend
- Mobile App backend
100% of citizens have access to medical records online

Source: Europe’s Digital Decade: digital targets for 2030

Welcome to the Data Age

Data is the only renewable resource
That can transcend the boundaries of our ecosystem
We are trying to solve ‘wicked problems’.

Primary
- No clear solution
- Attempts to address the problem often lead to unforeseen outcomes
- Solutions involved changing behaviours
- Many interdependencies are often multi-causal
- Socially complex

Secondary
- Difficult to clearly define
- Frequently not stable
- Rarely is the responsibility of only one stakeholder
- Can be characterised by chronic policy failure
- Requires adaptive leadership

Wicked problems need to be addressed in a holistic way rather than from just one of the many stakeholders’ perspectives - some of which can actually be conflicting with each other. Stakeholders must work together to ensure a full understanding of the problem and to share a commitment to possible solutions. Because wicked problems have no simple identifiable root cause, and often there are interactions between several causal factors, solutions require broader, more collaborative and innovative approaches.
Data Value Chain – Little Attention to the Foundations


The Individual as a Data Centre – We Lack Clear Motivation

Source: Copenhagen Institute of Future Studies
Health Information – Actionable?

Source: Health Literacy Survey 2019

Knowledge of health, available health services and the healthcare system.

Access to resources and support required for processing and using information.

Ability to process and use information for health purposes.

Efficiency in processing and using health information.

Sharing health information.

The capability to maintain health through self-management and collaboration with health service providers.

Health Behaviour Types – How Many Are Ready?

- **Living in health**
  - tight personal relationships
  - Functional health planning
  - Wide range of health competencies
  - Online transactions

- **Health trendy**
  - medium personal relationships
  - Community
  - Emotional and image identity
  - Avoid medical services

- **Procrastinator**
  - moderate personal relationships
  - Gap between knowledge and action
  - Little efforts, quick gains
  - Tranquillity is expected

- **Absent**
  - minimal personal relationships
  - Learned helplessness
  - Health messages arouse resistance
  - Anxious about having any malady

Source: Lantos, 2012, Cecchini 2013

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From Data to Health Value

- Communication-Dissemination-Education
- Reuse2Advance
- MyHealth@EU in the eHealth Ecosystem
- 1EU – Regulation
eID
- Power to the People
Path to MyHealth

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EUDI Wallet - ePrescription

To provide your prescription ask the health professional to scan:

Rybelsus 7 mg

Or ask to enter:
Country: Imaginaria
Patient ID: 12345645648694456
Prescription ID: 4a65adf52
Dispensation PIN: 5578

To request a prescription from Imaginaria, please enter the following information:

Prescription Identifier:

Alternatively, scan the QR code shown to you by the citizen.

Health Professional’s system/portal:

Through MyHealth@EU services, you can access health data of a patient from another Member State.

Select the country of affiliation of the patient:
- Imaginaria
- Anthracitia
- Pilinutes
- ...

To identify a patient from Czech Republic, please enter the following information:

National identity number:

Choose information to be requested:
- Electronic prescription
- Patient Summary
- Vaccination data
- Laboratory results and reports
- Medical images and reports

To request a prescription from Imaginaria please enter the following information:

Prescription identifier:

As seen by the citizen

As seen by the HCP

Solving a Wicked Problem Requires Social Innovation

Input

Science & Technology
Social Entrepreneurship
Sustainability
Socio-economic Transformation

Process

Problem-Solving Social Innovation

Adaptive Social Innovation

“Transformation Process of Social adaptation”

Output

Solution for Wicked Problem

Reshape the Structure of Social Interaction

Navigating the Health Data Wilderness in the Dawn of the Data Age

Data Value Chain White Paper