eHealth at EU level
Perspectives from the European Commission

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Digital Single Market Strategy (May 2015)

- The European Commission has **placed digital at the core of its strategy**, by setting the Digital Single Market as **one of its 10 priorities**

- The aim is to **open up digital opportunities** for people and business and to make the EU's single market **fit for the digital age**

Commission Communication on 25 April
3 Priority areas on digitising Health and Care

Use **digital** services for citizen empowerment and person-centred care

Give citizens **better access** to their **health data**, everywhere in the EU

Connect and **share** health data for research, faster diagnosis and better health outcomes

Public Consultation on Health and Care in the Digital Single Market

- Open between: 20 July – 12 October 2017

- 1464 respondents – 30% organisations + 70% individuals

- Replies from 35 countries – also from beyond Europe

- Health and care organisations are the largest group of respondent organisations

- Consciously structured based on the 3 pillars

Health

Public Consultation – Summary of results

Citizens should be able to manage their own data:
>90% strongly agree or agree

Sharing health data can be beneficial:
>80% strongly agree or agree

Not having access to digital health services:
Nearly 60%

Citizen feedback to healthcare providers is essential to improve services:
>80% agree

Public Consultation
Main concerns and expectations

Privacy

Data quality

Cybersecurity

Standardised electronic health records

Pillar I: Give citizens better access to their health data

The eHealth Digital Service Infrastructure (eHDSI)

1. **Enabling the exchange of patient data across borders**

   - **Patient Summary**: provides access to health professionals to verified key health data of a patient during an unplanned care encounter while abroad

   - **ePrescription**: enables patients to receive equivalent medication while abroad to what they would receive in their home country

2. **To be expanded to full Electronic Health Records**
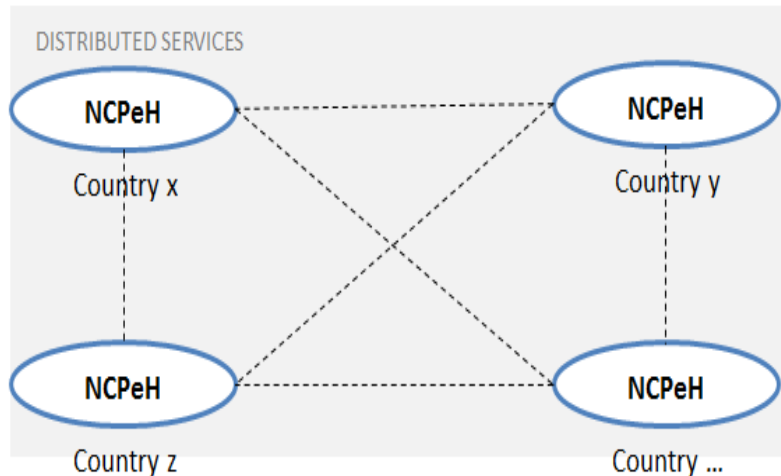
eHealth DSI Deploying Countries	PS	eP
Austria	♥	♥
Croatia	♥	♥
Cyprus	♥	♥
Czech Republic	♥	
Estonia	♥	♥
Finland		♥
France	♥	
Germany	♥	
Greece	♥	♥
Hungary	♥	♥
Ireland	♥	♥
Italy	♥	♥
Luxembourg	♥	
Malta	♥	
Portugal	♥	♥
Sweden		♥
Switzerland	♥	♥

eHDSI: How it works

- • **The Commission provides central services such as configuration and terminology**

1. **Each participating Member State sets up an eHealth National Contact Point (NCPeH)**

2. **Different national structures are connected to the eHealth NCP**

3. **eHealth NCPs are connected amongst each other by a secure peer-to-peer network**

Role of the eHealth Network

- **Voluntary Committee** of Member States on eHealth

- **Preparatory work on** technical, semantical and legal **interoperability of heath data**

- Will play a crucial role in the **governance of eHDSI:**

  - Approve the participation of Member States

  - Oversee operation and financing

  - Exclude / suspend Member States if necessary

  - Work towards expanding the eHDSI

- **New Multi-annual Work Programme and Chair in 2018**

Pillar II: Connect and share health data for research, faster diagnosis and better health outcome

- **Connect** different health data sets, scientific expertise and computing capacity federated across borders – **through a decentralised European digital health infrastructure**

- Advancement of **high-performance computing, big data analytics** and **cloud computing** for health research and personalized medicine

Pillar II: Connect and share health data for research, faster diagnosis and better health outcome

- **Use cases**:

  - For <u>rare diseases</u> (European Reference Networks)

  - For <u>anticipating</u> epidemics and accelerating EU-wide identification of infectious threats

  - Real World Data in <u>medicines development</u>

Digital Day 2

Digital Day one year after: Investing together in the future

AI Paving the way for the EU Artificial Intelligence Initiative

Blockchain Partnership Initiative

Joining forces and data to personalise healthcare

Digital transformation: Investing in the future of Europe

#Digitalhealth

Health

Declaration on 1 Mio sequenced genomes signed on 10 of April

- Signed by 15 Member States

- Agree to work together towards building a research cohort of at least 1 million sequenced genomes accessible in the EU by 2022

- Access to be provided in a federated (non centralised) network to genomics data-sets at national / regional level

- Commission to support and facilitate, incuding funding form Horizon 2020 and CEF programmes

Pillar III: Use of digital services for citizen empowerment and patient-centred care

- Working with Member States and regions to **deploy solutions**:
  - that support **user feedback** and **interaction** between patients and healthcare providers,
  - that **engage citizens** in the prevention and management of chronic diseases

- **Mobilize relevant EU funding** (from EFSI, ESIF, Health Programme and H2020) and **implement patient-centred integrated care**

Thank you!

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DG Health and Food Safety
http://ec.europa.eu/health/ehealth/policy/index_en.htm

DG Connect
http://ec.europa.eu/digital-agenda/en/eu-policy-ehealth

Health