



IHE-Europe Symposium
Den Haag 17 April 2018

“Getting the Basics Right,
Key Success Factors in
Interoperability”

Deployment of Cross Border eHealth in Europe Progress Update by the EU Commission



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#digital transformation in
#healthcare #EU
@IHE_Europe

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Presentation Outline



- Directive on Patients' Rights
- Digital Single Market Strategy
 1. *Access to and sharing of data*
 - eHDSI
 2. *Research and use of data*
 - ERN CPMS
 3. *Empowering the citizens*

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Patients' rights in Cross-border Healthcare

Directive 2011/24/EU



A major step towards a Europe for Health

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Cooperation between Health Systems



- **Recognition of prescriptions**

A prescription issued in another EU country will be recognised in a patient's country of residence and vice versa (2012).

- **eHealth**

Towards interoperability of ICT for health at EU level for safety, quality and continuity of care, and health research.

- **European Reference Networks**

Bring specialised centres across Europe together to help experts to diagnose and treat patients, disseminate information and expertise.

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eHealth Network

- **Article 14 of Directive**
- **Leads cooperation of Member States**
- **Gives direction to eHealth developments**



tp 10/12/2015

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Refined eHealth European Interoperability Framework (ReEIF)



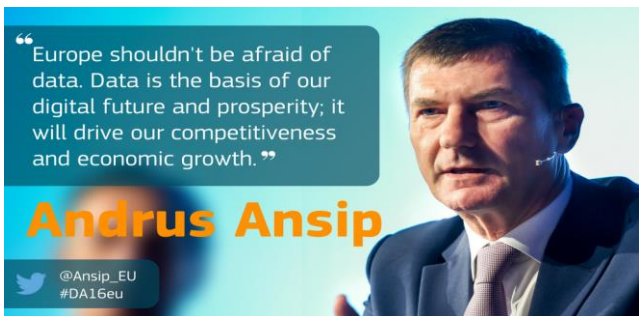
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Does Europe need a 5th freedom - free movement of data?
Read the latest speech by [@Ansip_EU](#) on [#EUdataFF](#)
<http://bit.ly/2dJinIQ> [#digirev](#)



DigitalSingleMarket
@DSMeu



tp 3.12.2016

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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

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Public Consultation Main concerns and expectations



Privacy



Data quality



Cybersecurity



**Standardised
electronic
health records**

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Health Priorities in the Digital Single Market Strategy



**Commission: Mid-Term Review of
the Digital Single Market Strategy,
May 2017**

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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	♥	♥

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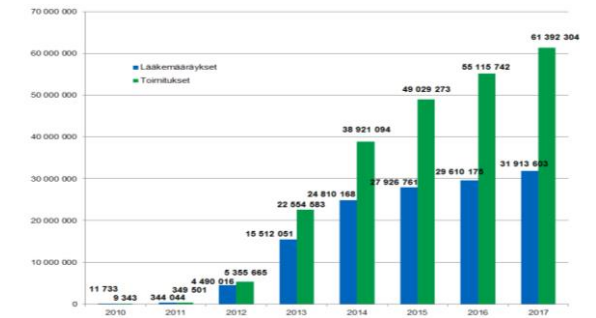
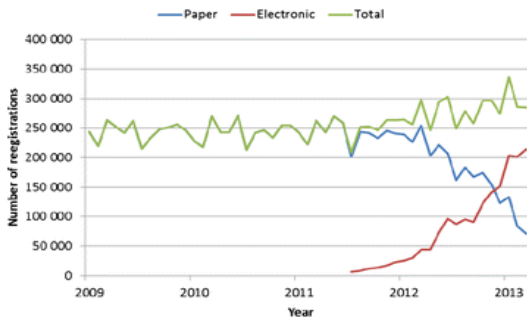
Cross-border Possibilities for Citizens

- Cross-border E-prescription
- Patient summary



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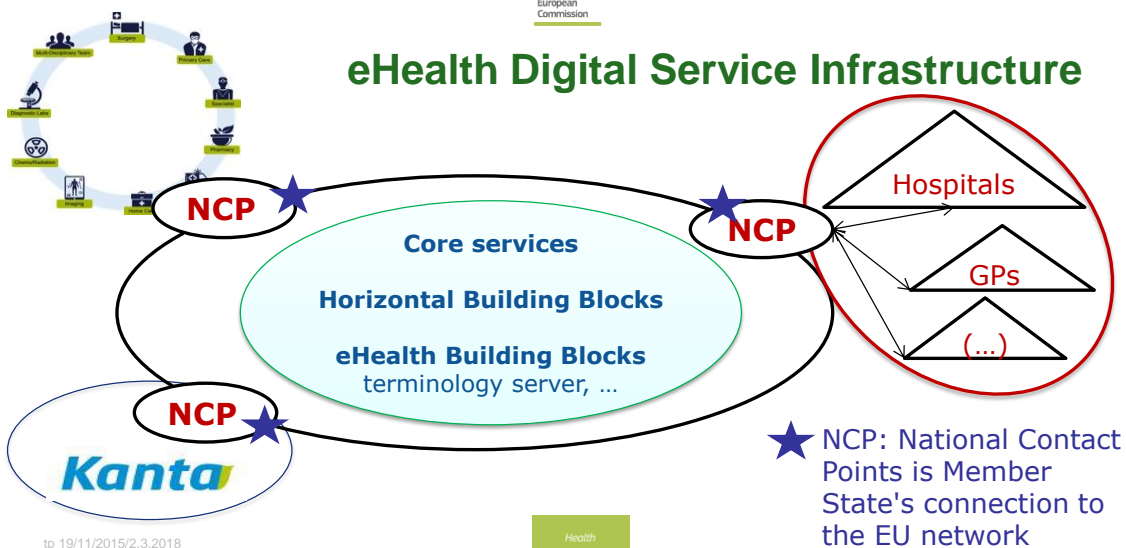
Sweden and Finland: rapid increase in e-prescriptions



tp 2/3/18

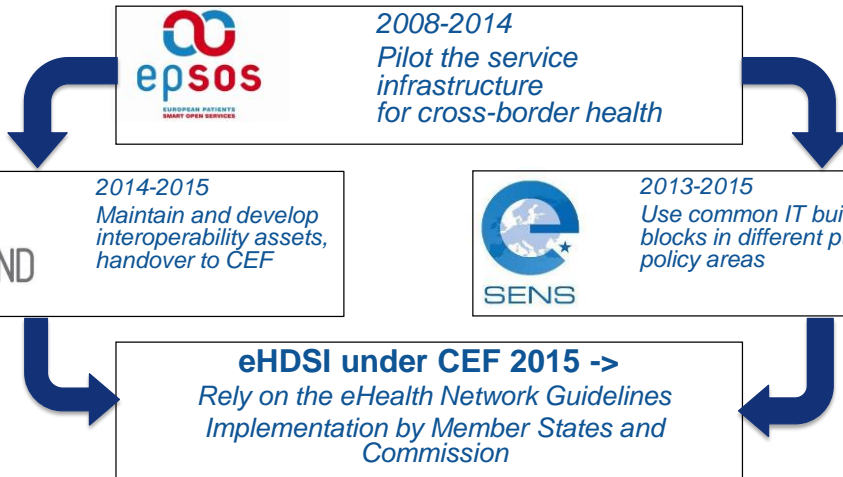
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eHealth Digital Service Infrastructure



tp 19/11/2015/2.3.2018

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tp/mk 27/9/2015

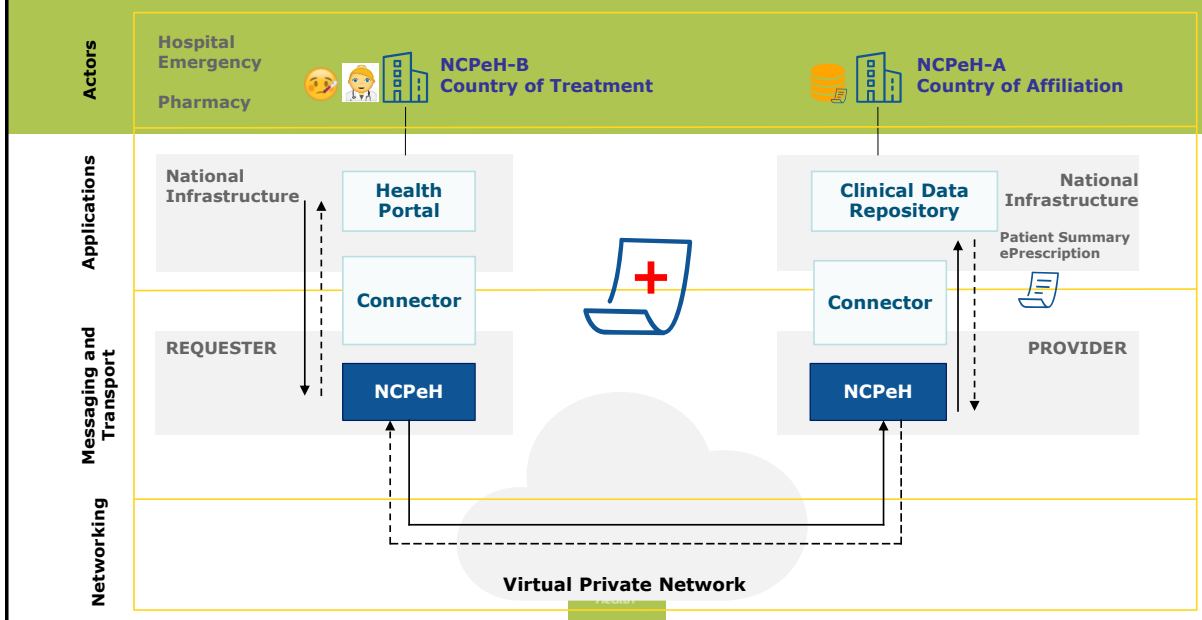
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eHealth Digital Service Infrastructure DSI

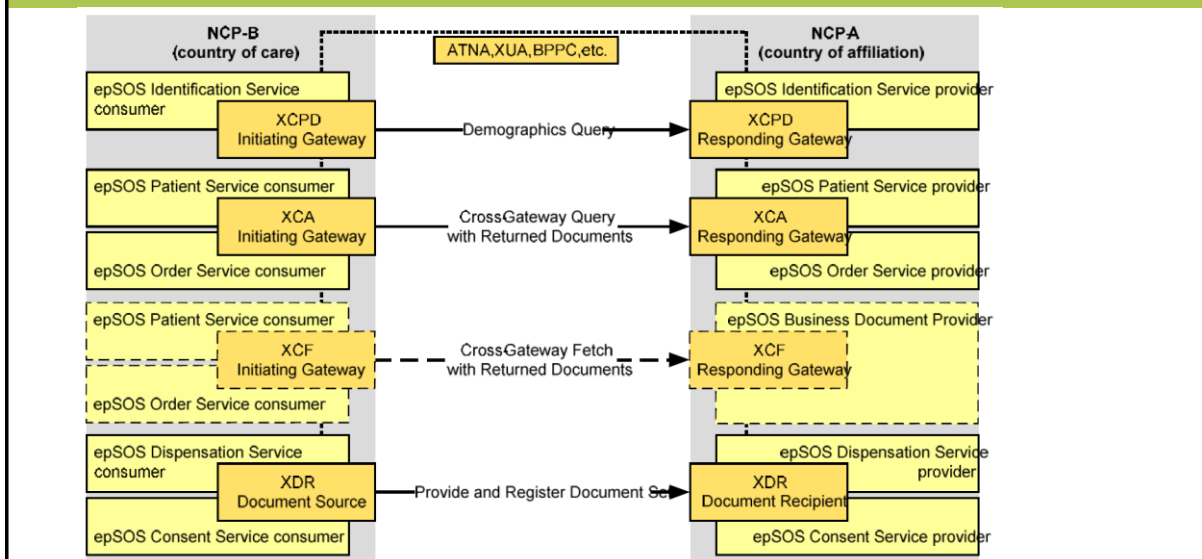
Interoperability Challenge

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The interoperability challenge



eHDSI – NCPeH interoperability Profiles based on IHE X* family



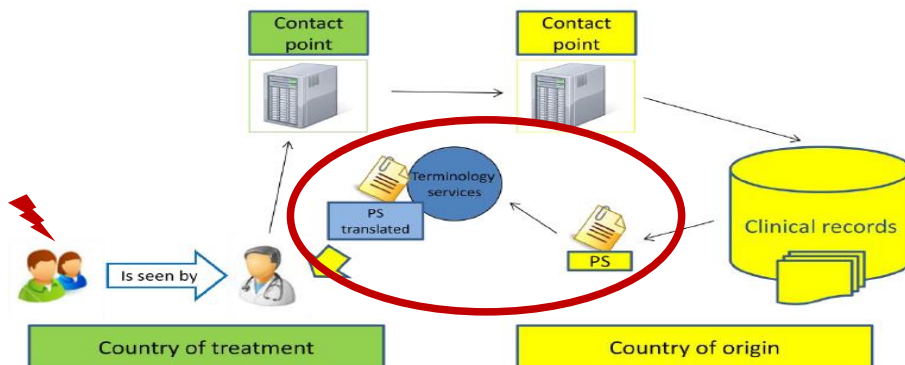
eHealth Network

- **Article 14 of Directive**
- **Leads cooperation of Member States**
- **Gives direction to eHealth developments**
- **Adopts guidelines**
 - *Patient summary data*
 - *ePrescriptions*
 - *National Contact Point*



tp 10/12/2015

Role of the eHealth Network guidelines





What is the eHealth DSI

- Is it a Project?
- Is it a Pilot?
- Is it a Service?

- It is a EU Digital Service Infrastructure

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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

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2018 | DIGITAL DAY

APRIL 10th



Digital Day one year after:
Investing together in the future



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

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Cross-Border Possibilities to Help Patients



European Reference Networks

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Networking: "The knowledge travels, not the patient"



- *Treat and diagnose patients: exchange clinical data on patient cases at a distance*
- *Develop and exchange expertise through the network and across the EU*
- *Networking, research and training*
- *Virtual patient management software for the Networks*

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24 Networks



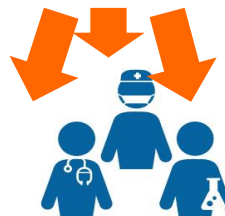
26 Countries



> 300
HOSPITALS

Full
Member

Affiliated
partner



> 900
HEALTHCARE UNITS

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Clinical patient Management System (CPMS) Interoperability Profiles based on IHE

- CPMS supports IHE integration with compliant hospitals
- XCPD - Patient Discovery (ITI-5)
- XCA - Retrieve Folder List (ITI-38)
- XCA - Retrieve Document List (ITI-38)
- XCA - Retrieve Document Set (ITI-39)
- IHE ATNA (Audit Trail and Node Authentication)
- IHE-STS (Security Token Service)

cp 17.4.2018

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Tapani Piha
@tapani_piha

@V_Andriukaitis says #EU Reference Networks #telemedicine solution can lead to new ecosystem nationally and in EU
@EU_Health @EU_eHealth



6:10 AM - 17 Oct 2017 from Tallinn, Estonia

tp 17/10/17

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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**

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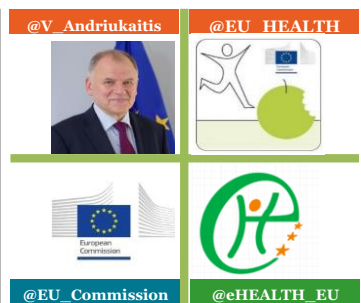


Conclusions



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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>