Introduction to eHealth Digital Service Infrastructure

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What is the eHealth DSI challenge?

• Many EU citizens travel to or work in another Member State.
  • However, their clinical information is not always accessible in the Member States where citizens may need health care.
  • The increased mobility of citizens coupled with the advancements of digital technologies requires both health policies and health systems across the European Union to be more and more interconnected, more interoperable.

CEF Rationale

(…) the Union needs an up-to-date, high-performance infrastructure to help connect and integrate the Union and all its regions (…)

(…) Those connections should help improve the free movement of persons, goods, capital and services. (…)

Directive on patients’ rights in cross-border healthcare Rationale

(…) promotes cooperation and the exchange of information among MS aiming at delivering sustainable eHealth systems and services and providing interoperable applications at European level.
USE CASES: PATIENT SUMMARY AND EPRESCRIPTION
What is the eHealth DSI?

- **Services** and **Infrastructure** using ICTs that enable cross border Healthcare services.

- **Use Cases:**
  - **Patient Summary**, provides access to health professional to verified key health data of a patient during an unplanned care encounter while abroad
  - **ePrescription**, enables patients to receive equivalent medication treatment while abroad to what they would receive in their home country
CEF TELECOM – WHAT DOES IT FINANCE

DIGITAL SERVICE INFRASTRUCTURES (DSIs)

EUROPEAN COMMISSION

MEMBER STATES

CORE SERVICE PLATFORM
(Services offered by the European Commission)

GENERIC SERVICES
(Grants for projects in the Member States)
EHDSI SYSTEM ARCHITECTURE

Central Services
- 1 EU wide instance
- Configuration

NCPeH – National contact Point for eHealth
- 1 per Country
- Run-time
EHDSI SERVICE OFFERING – USERS PERSPECTIVE

**ENABLING SERVICES**
* enabling the adoption of the core services

- **SOFTWARE**
  - NCPEH Reference Implementation

- **OPERATIONS SERVICES**
  - Managed services
  - Test and Audit
  - Supporting services
  - Deployment
  - Helpdesk
  - Monitoring

- **STANDARDS OF ESOs**
  - IHE
  - HL7

- **CORE SERVICES**
  - facilitate cross-border/cross-sector technical interoperability among heterogeneous information systems

- **TECHNICAL SPECS OF EU-WIDE INITIATIVES**
  - Regulation, Directives, Implementing Acts
  - eHealth Network Guidelines
  - EHDSI Requirements and Specifications

**ENHANCING SERVICES**
* enhancing customer experience

- **STAKEHOLDER MANAGEMENT SERVICES**
  - Onboarding services (for stakeholders)
  - Community management services
  - Dissemination
  - Onboarding of new Stakeholders
  - Technical
  - Semantic
  - Stakeholders Follow Up
EHDSI TIMESCALES: GOLIVE

CEF eHealth DSI
Patient Summary and ePrescription

Work Programme 2015
Jan - Dec

Core Services
Jan - Mar

Generic Services WAVE 1
Jan - Feb

Generic Services WAVE 2
Jan - Feb

Generic Services WAVE 3
Jan - Feb

Work Programme 2017
Jan - Dec

Generic Services WAVE 2 & 3
Jan - Jun - Feb - Feb

#eHealthWeek
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Web Presence

- https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/eHealth

Communities

- Operations https://ec.europa.eu/cefdigital/wiki/x/iT4ZAq
- Semantic https://ec.europa.eu/cefdigital/wiki/x/hj4ZAq
- Technical https://ec.europa.eu/cefdigital/wiki/x/8CEZAq

For further clarifications, please:

Contact us:
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Thank you!

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