Digitalisation in Social Services

Enabling the digital transformation of health and care in Europe; empowering citizens and building a healthier society

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Early diagnosis
EU pooling of data and expertise can reduce from 5.6 years to less than 2 years the average time it takes to diagnose a rare disease.

But...only 9% of hospitals in Europe allow citizens to access online their own patient records, and most of those only give partial access...

But...the percentage of hospitals exchanging clinical care information about patients electronically with other health care organisations in another EU country is only 4%.

People-centric services
If widely adopted and integrated in health care systems, annual savings in Europe resulting from use of mobile health applications are estimated at €69 billion.

But...only 18% of citizens have used health and care services provided online without having to go to the hospital or doctor’s surgery, in the last 12 months.

Better Prevention
Europe has the highest burden of chronic diseases which are responsible for 86% of all deaths and 77% of health and long-term care expenditure.
25 April 2018: the "Data Package"

Towards a common data space in the EU for new products and services based on data

- Review of the Directive on re-use of public sector information
- Results of the evaluation of the Database Directive
- Sharing of private sector data
- Artificial Intelligence
- Simplifying legal framework for .eu
- Transparency and fairness for platform users
- Online disinformation – Code of Practice
- Communication on digital health and care
Communication on the Digital Transformation of Health and Care

- Citizens’ secure access and sharing of health data in the EU
- Authorities and stakeholders share data and infrastructure for health research
- Digital tools for citizens empowerment and person-centred care
Citizens’ secure access and sharing of health data in the EU

Authorities and stakeholders share data and infrastructure for health research

**CITIZEN**
- Engage/Involvement
- Healthy lifestyle
- Healthy ageing
- Prevention
- Expenses for health & care
- Personalised medicine
- Earlier diagnosis

**ECONOMY**
- EU DSM: Health Innovation Services & products
- Personalised Medicines
- Occupational health

**HEALTH SYSTEMS**
- Of the Member States
- more efficient & resilient

Digital tools for citizens empowerment and person-centred care
Citizens’ secure access to and sharing of health data

Actions:
- Review Implementing Decision 2011/890
- Improve interoperability of patient data and access by the citizen
- Exchange format for European Electronic Health Record
- Further support eHealth DSI to enable new services for people
- Mobilise funds CEF, H2020, and MFF
Better data to promote research, prevention and personalized health and care

Actions:

• Coordination of data sharing and infrastructure for personalized medicine research (incl. genomic data)
• Secure access and cross-border exchange of health data for research purposes
• Pilot actions on pooling data and resources to demonstrate benefits of advancing research, disease prevention, personalized medicine and health technology assessment
Digital tools for citizen empowerment and for person-centered care

Actions:

- *Support cooperation towards common principles for validating and certifying health technology*
- *Support the exchange of innovative and best practices, capacity building and technical assistance for health and care authorities*
- *Raise awareness about innovative procurement and investment possibilities*
- *Promote knowledge, skills of citizens, patients and health and care professionals*
Digital Health and Care

TRANSFORMATION OF HEALTH AND CARE IN THE DIGITAL SINGLE MARKET - Harnessing the potential of data to empower citizens and build a healthier society

European health challenges
- Ageing population and chronic diseases putting pressure on health budgets
- Unequal quality and access to healthcare services
- Shortage of health professionals

Potential of digital applications and data to improve health
- Efficient and integrated healthcare systems
- Personalised health research, diagnosis and treatment
- Prevention and citizen-centred health services

What EU citizens expect...
- 90% agree: To access their own health data (requiring interoperable and quality health data)
- 80% agree: To share their health data (if privacy and security are ensured)
- 80% agree: To provide feedback on quality of treatments

Support European Commission:

1. Secure access and exchange of health data
   **Ambition:**
   Citizens can securely access and share (e.g., with doctors or pharmacies) their health data anywhere in the EU.
   **Actions:**
   - eHealth Digital Service Infrastructure will deliver initial cross-border services (patient summaries and ePrescriptions) and cooperation between participating countries will be strengthened.
   - Proposals to extend scope of eHealth cross-border services to additional cases, e.g., full electronic health records.
   - Recommended exchange format for interoperability of existing electronic health records in Europe.

2. Health data pooled for research and personalised medicine
   **Ambition:**
   Shared health resources (data, infrastructure, expertise) allowing targeted and faster research, diagnosis and treatment.
   **Actions:**
   - Voluntary collaboration mechanisms for health research and clinical practice (starting with "one million genomes by 2022" target).
   - Specifications for secure access and exchange of health data.
   - Pilot actions on rare diseases, infectious diseases and impact data.

3. Digital tools and data for citizen empowerment and person-centred healthcare
   **Ambition:**
   Citizens can monitor their health, adapt their lifestyle and interact with their doctors and carers (receiving and providing feedback).
   **Actions:**
   - Facilitate supply of innovative digital-based solutions for health, also by SMEs, with common principles and certification.
   - Support demand uptake of innovative digital-based solutions for health, notably by healthcare authorities and providers, with exchange of practices and technical assistance.
   - Mobilise more efficiently public funding for innovative digital-based solutions for health, including EU funding.
Thank you!

DigitalSingleMarket@DSMeu
EU_Health@EU_Health

DG Connect

DG Health and Food Safety