



A Health Care Workforce for the Digital Age

ICT4SkillsAll

**Empowering older people for a digital world
through intergenerational and peer learning**



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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:

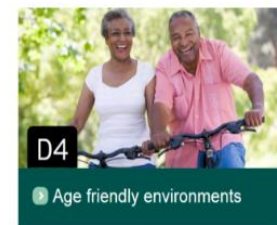
- Facilitate supply of innovative digital-based solutions for health, also by SMEs, with common principles and certification.
- Support demand uptake of innovative digital-based solutions for health, notably by healthcare authorities and providers, with exchange of practices and technical assistance.
- Mobilise more efficiently public funding for innovative digital-based solutions for health, including EU funding.



European Innovation Partnership on Active and Healthy Ageing

- *Launched to increase the average healthy lifespan by two years by 2020 and to pursue a Triple win for European citizens*
- *103 Reference Sites to scale up innovation for active and healthy ageing*
- *Twinning Schemes*

6 ACTION GROUPS



European Innovation
Partnership on Active
and Healthy Ageing

AAL PROGRAMME

WHO

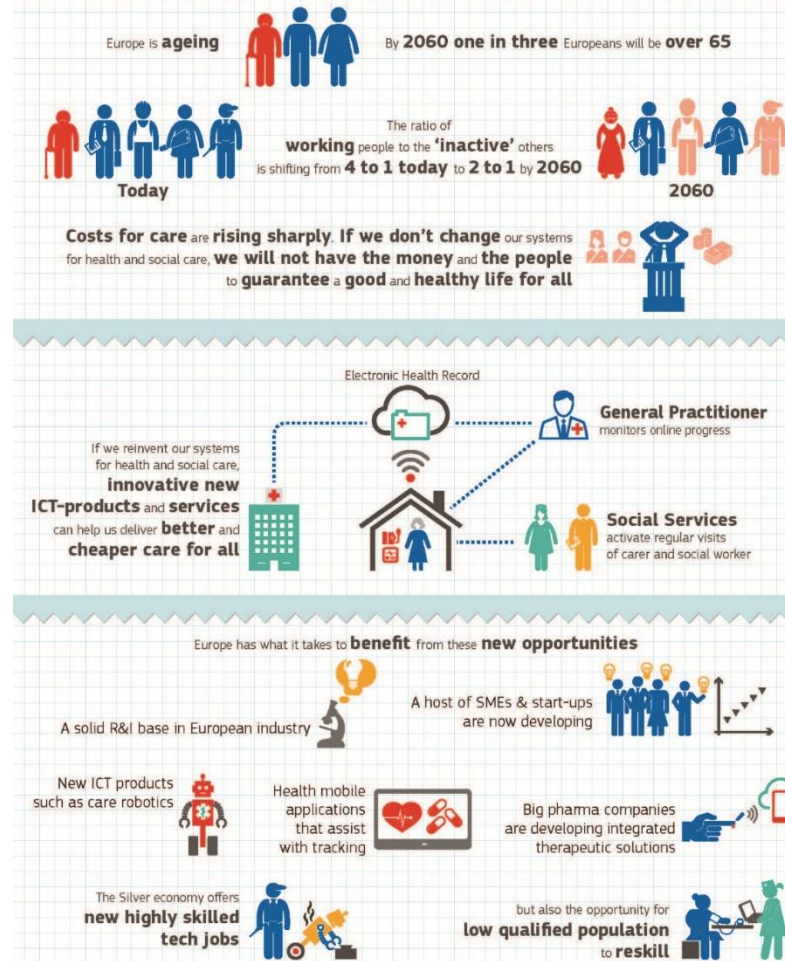
A unique public-public partnership of 26 public funding agencies:

- From currently 20 countries around Europe plus Canada
- R&D, innovation, health & regional support

WHY:

1. Enhancing older adults' quality of life through innovative digital technology-based solutions
2. Support long-term sustainability of health & care systems
3. Strengthening the emerging industrial base in Europe

The Silver Economy





European
Commission

Impact of Demographic Change in Europe

1

In 2018, life expectancy at birth increased to **78.2 YEARS** for men and **83.7** for women.



This growth is projected to continue: men born in 2070 are expected to live **86 YEARS**, and women **90**

2

In 2018, the average number of childbirths per woman was **1.55** and their median age at childbirth **31.3**.



3

By 2070...
the share of people **65 years or older** is projected to be



30.3%
(compared to 20.3% in 2019)



the share of people **80 years or older** is projected to be **13.2%** (compared to 5.8% in 2019)



Impact of Demographic Change in Europe

4

In the EU as a whole, the composition of our households is changing – households composed of two parents with children are being joined by households consisting of people living alone, single parents or couples without children.



5

Some of us opt to move around or live abroad, but the size of these flows is volatile and can change quickly.



The Commission's Demography Report presents the main drivers of demographic change and the impact they are having across Europe. It launches a process that will help identify concrete actions and solutions, mindful of lessons learned from COVID 19, to support people, regions and communities that are most affected and to enable them to adapt to changing realities.

6

The share of Europe's population in the world is shrinking and by 2070 it will account for just about **4%** of the world's population.



[Public consultation on the green paper on ageing – until 21 April 2021](#)

[Demography webpage](#)
[Green paper on ageing](#)



Lifecycle approach

Growing needs:

healthcare,
long-term care /
mobility, connectivity,
well-being



Formative years:

life-long learning, healthy
& active ageing



Working age: labour markets,
productivity, innovation and
business
opportunities



Retirement: volunteering,
intergenerational relations /
adequate, fair and
sustainable pension
systems, old
age poverty




Territorial aspects

Digital Skills are important for the future of health and care

Demographic development leads to ageing population and ageing workforce:

- Increasing costs
- Need for personnel to keep workforce operational
- Health for all
- Need for better services, treatment and prevention
- Need to implement new technologies
- Widening user participation


Today's hospital doctors need digital skills



Benefits:

- facilitates communication between doctors & patients
- improves access to medical information
- allows doctors to save time and to treat more patients

digital translation software
electronic medical records
patient monitoring, diagnosis & treatment systems



#EUSkillsAgenda

Health literacy and skills

- ❑ Clinical staff and managers in the health and care sector including cybersecurity
 - ❑ Enhancing the way of digitally-enabled working
 - ❑ Developing and implementing new digital skills in the teams
- ❑ To enable the health and care workforce to make full use of digital solutions, medical doctors to be able to master data
- ❑ To enable inclusive, efficient and effective delivery of health and care services for citizens



Role of the EU



Identify the **challenges at EU level** and underpin them with data and evidence



Involve **Member States** in designing and delivering solutions



Best-practice exchange



Better use of **European and national funds** also through the support of pilot projects

Digital skills development Funding in the new MFF

Digital Skills interventions **are complementary** across the MFF

**Digital Europe
Programme**

**Advanced digital skills for
technology**

European Social Fund+

**Reskilling & Upskilling at
local level**

ERASMUS+

**Cross-border learning mobility
for all**

Horizon EU

Researchers and PhDs

Other instruments

EGF, SRSS

THANK YOU!

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