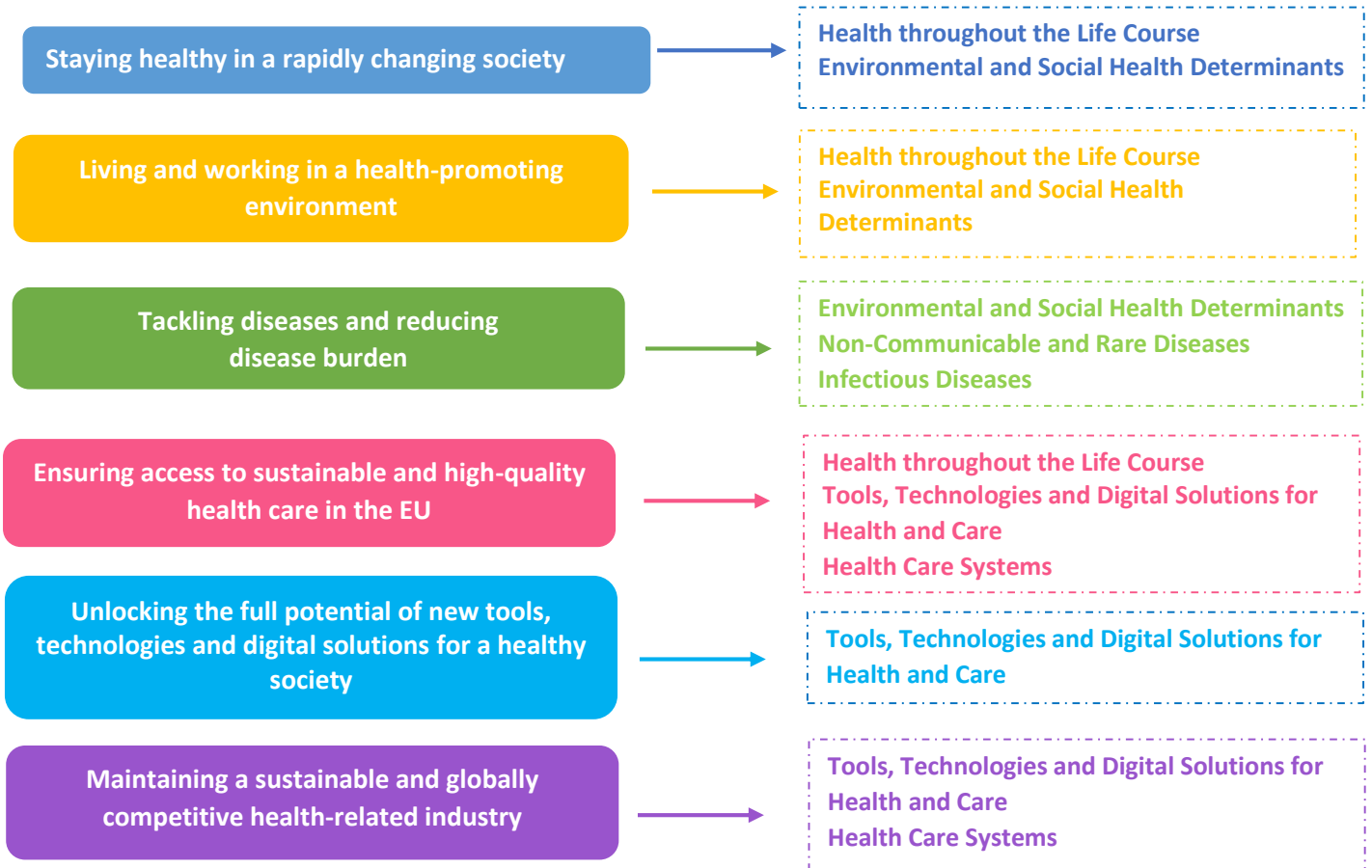


## CLUSTER 1. HEALTH

### Global Challenges and Areas of intervention



### EU Policy Objectives

According to [Article 168](#) of the Treaty on the Functioning of the EU, high level of human health protection shall be ensured in the definition and implementation of all Union policies and activities.

In this context Cluster 1 aims to address the following EU policy objectives:

- To ensure **healthy** lives and promote **well-being** for all at **all ages**
- To protect and improve the **health** of EU citizens, including **environmental** and **risks factors**, **cross-border health threats**, **crisis preparedness** and response
- To support equal access to modern, efficient and safe health care for all Europeans, including **cross-border health care**
- Improve the efficiency of Europe's health systems, including the **digital transformation of health and care system**



Cluster 1 will contribute to the implementation of internationally agreed **United Nation Sustainable Development Goals 3** and its nine health-specific targets aiming for universal health coverage for all at all ages by 2030 and ending preventable deaths.



R&I activities within this Cluster have the potential to support missions in all areas.

Cancer		Soil health and food		Healthy oceans, seas, coastal and inland waters		Adaptation to climate change, including societal transformation		Climate-neutral and smart cities
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## Targeted impacts

To support citizens in pursuing healthy and active lives by providing suitable and tailor-made solutions, including for people with specific needs  
 To protect citizens' health from negative impacts resulting from environmental and risk factors  
 To decrease the burden of diseases on citizens and health care systems  
 To support health care systems in their transformation to ensure fair access to sustainable health care services of high quality for all citizens  
 To foster the integration and deployment of innovation in health care systems  
 To develop novel health technologies addressing public health needs and market opportunities

## Key R&I Orientations

### | STAYING HEALTHY IN A RAPIDLY CHANGING SOCIETY

This R&I orientation will support activities aiming at better understanding of specific health and care **needs** throughout the life course, and develop more **effective solutions** for health promotion and disease prevention, including for needs related to **chronic health conditions**. Key to achieving these objectives is the availability and accessibility of **real-world health data**, which will require appropriate support by **research** and **data infrastructures**.

### | LIVING AND WORKING IN A HEALTH-PROMOTING ENVIRONMENT

This R&I orientation will support activities aiming at increasing **knowledge** necessary to identify and assess the **risks** and **benefits** for health, and to enable health promoting and disease **preventive policy actions**. Strong collaborations **across sectors** and with **other** Horizon Europe **clusters** dealing with issues such as agriculture, food, environment, climate, mobility or urban planning will be needed to ensure that maximal **societal benefits** will be reached.

### | TACKLING DISEASES AND REDUCING DISEASE BURDEN

This R&I orientation will support activities aiming to identify **new prevention, diagnostics, vaccines, therapies, alternatives to antibiotics**, as well as to improve existing prevention strategies to create **tangible impacts**.

### | ENSURING ACCESS TO SUSTAINABLE AND HIGH-QUALITY HEALTH CARE IN THE EU

This R&I orientation will support activities aiming at the development of **innovative solutions** for health care systems in all their various **dimensions** (e.g. governance, financing, generation of human and physical resources, health service provision, patient empowerment).

### | UNLOCKING THE FULL POTENTIAL OF NEW TOOLS, TECHNOLOGIES AND DIGITAL SOLUTIONS FOR A HEALTHY SOCIETY

This R&I orientation will support activities aiming at the implementation of spectrum of **tools** and **technologies** for bio-medical research, prevention, diagnosis, therapy, monitoring and **approaches** owing to powerful **digital solutions** using and processing **big data**, including real-world data, for efficient value **assessment**.

### | MAINTAINING A SUSTAINABLE AND GLOBALLY COMPETITIVE HEALTH-RELATED INDUSTRY

This R&I orientation will support **cross-sectorial** activities, integrating medical technologies, pharmaceuticals, biotechnologies, digital health and eHealth technologies, aiming at **strengthening** the single market, including by implementing the **Digital Single Market** strategy.



## European Partnerships

Large-scale innovation and transformation of health systems in a digital and ageing society; European partnership for chemicals risk assessment; Translational health research; Personalised Medicine; Rare Diseases; EU-Africa research partnership on global health security to tackle infectious diseases; Innovative Health Initiative.