



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

Health, demographic change and wellbeing

These calls for 2020 are preliminary and subject to change until the final work programme is published in July 2019. Please check the final published work programme before starting submission.

Europe is facing four main healthcare challenges: (i) the rising and potentially unsustainable health and care costs, mainly due to the increasing prevalence of chronic diseases, to an ageing population requiring more diversified care and to increasing societal demands; (ii) the influence on health of external environmental factors including climate change; (iii) the risk to lose our ability to protect the populations against the threats of infectious diseases; (iv) health inequalities and access to health and care. Europe must invest in research, technology and innovation to develop smart, scalable and sustainable solutions that will overcome those challenges.

The work programme for 2018-2020 is focused on delivering solutions for a better health for all by:

- Moving towards the effective integration of personalised medicine approaches into healthcare services and systems to the benefit of patients and citizens;
- Fighting infectious diseases and the growing threat of antimicrobial resistance;
- Addressing the needs of the most vulnerable groups and the global increase of chronic diseases;
- Decoding the role of environment – including climate change and air quality – on health and developing mitigating measures;
- Exploring the digital potential for health innovation and healthcare, including the building of a 'European health research and innovation cloud';
- Stimulating innovation in the European healthcare domain and industry by exploring the application of advanced technologies, improve the health of the workforce and promote regulatory science.

1) Call – Better Health and care, economic growth and sustainable health systems

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
1.1 Personalised medicine p. 10					
SC1-BHC-06-2020: Digital diagnostics - developing tools for supporting clinical decisions by integrating various diagnostic data	40	2	RIA	To be defined	To be defined (1 st) To be defined (2 nd)
SC1-HCO-01-2018-2019-2020: Actions in support of the International Consortium for Personalised Medicine (2 sub-topics for 2020)	4	1	CSA		To be defined
SC1-HCO-03-2020: Bridging the divide in health research and innovation - boosting return on investment	2	1	CSA		

SC1-HCO-14-2020: ERA-NET: Sustained collaboration of national and regional programmes in cancer research	5	1	ERA-NET Cofund	To be defined	To be defined
SC1-HCO-16-2020: ERA-NET: Sustained collaboration of national and regional programmes in research on brain-related diseases and disorders of the nervous system	5	1	ERA-NET Cofund		
SC1-HCO-17-2020: Coordinating and supporting research on the human microbiome in Europe and beyond	2	1	CSA		

1.2 Innovative health and care industry p. 35

SC1-BHC-08-2020: New interventions for Non-Communicable Diseases	80	2	RIA	To be defined	To be defined (1 st) To be defined (2 nd)
SC1-BHC-11-2020: Advancing the safety assessment of chemicals without the use of animal testing	60	1	RIA		To be defined
SC1-HCO-18-2020: Developing methodological approaches for improved clinical investigation and evaluation of high-risk medical devices	2	1	CSA		
SC1-HCO-19-2020: Reliable and accessible information on cell and gene-based therapies	2	1	CSA		

1.3 Infectious diseases and improving global health p. 47

SC1-BHC-17-2020: Global Alliance for Chronic Diseases (GACD) - Prevention and/or early diagnosis of cancer	20	1	RIA	To be defined	To be defined
SC1-BHC-20A-2020: Pre-commercial procurement (PCP) for integrated care solutions	25	1	PCP		
SC1-BHC-20B-2020: Public procurement of innovative solutions (PPI) for diagnostics for infectious diseases		1	PPI		
SC1-BHC-33-2020: Addressing low vaccine uptake	9	1	RIA		
SC1-BHC-34-2020: New approaches for clinical management and prevention of resistant bacterial infections in high prevalence settings	25	1	RIA		
SC1-35-2020: Creating of a European wide sustainable network for harmonised large-scale clinical research studies for infectious diseases	30	1	RIA		
SC1-HCO-07-2020: ERA-NET to support the Joint Programming Initiative on Antimicrobial resistance (JPIAMR)	5	1	ERA-NET Cofund		

1.4 Innovative health and care systems - Integration of care p. 87

SC1-BHC-24-2020: Healthcare interventions for the management of the elderly multimorbid patient	50	2	RIA	To be defined	To be defined (1 st) To be defined (2 nd)
SC1-BHC-37-2020: Towards the new generation of clinical trials - trials methodology research	6	1	RIA LS		To be defined
SC1-HCO-20-2020: Coordination of clinical research activities of the European Reference Networks	2	1	CSA		

1.5 Decoding the role of the environment, including climate change, for health and well-being p. 100

SC1-BHC-29-2020: Innovative actions for improving urban health and wellbeing - addressing environment, climate and socioeconomic factors	35	2	RIA	To be defined	To be defined (1 st) To be defined (2 nd)
SC1-BHC-36-2020: Micro- and nano-plastics in our environment: Understanding exposures and impacts on human health	25	1	RIA		To be defined

2) Call – Digital transformation in health and care (H2020-SC1-DTH-2018-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
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SC1-DTH-02-2020: Personalised early risk prediction, prevention and intervention based on Artificial Intelligence and Big Data technologies	25	1	RIA	To be defined	To be defined
SC1-DTH-04-2020: International cooperation in smart living environments for ageing people (>2 sub-topics)	10	1	RIA		
SC1-DTH-06-2020: Accelerating the uptake of computer simulations for testing medicines and medical devices	25	1	RIA		
SC1-DTH-10-2019-2020: Digital health and care services	10	1	PCP		
SC1-DTH-12-2020: Use of Real-World Data to advance research on the management of complex chronic conditions	41	1	RIA		
SC1-DTH-13-2020: Implementation research for scaling up and transfer of innovative solutions involving digital tools for people-centred care	20	2	RIA		To be defined (1 st) To be defined (2 nd)
SC1-HCC-06-2020: Coordination and Support to better data and secure cross-border digital infrastructures building on European capacities for genomics and personalised medicine	4	1	CSA		To be defined
SC1-HCC-07-2020: Support for European eHealth Interoperability roadmap for deployment	2	1	CSA		
SC1-HCC-08-2020: Scaling up innovation for active and healthy ageing	2	1	CSA		
SC1-HCC-09-2020: Supporting deployment of eHealth in low and lower middle income countries in Africa for better health outcomes	2	1	CSA		
SC1-HCC-10-2020: Towards a Health research and innovation Cloud: Capitalising on data sharing initiatives in health research	3	1	CSA		

3) Call – trusted digital solutions and cybersecurity in health and care (H2020-SC1-FA-DTS-2018-2020)

Topic	Budget (EUR Mil)	Stages	Action	Opening	Deadline(s)
Digitising and transforming European industry and services p. 170					
DT-ICT-12-2020: AI for the smart hospital of the future	20	1	IA	To be defined	To be defined
DT-TDS-04-2020: AI for Genomics and Personalised Medicine	30	1	RIA		
DT-TDS-05-2020 AI for Health Imaging	35	1	RIA		

CSA = Coordination and Support Action, IA = Innovation Action, PCP = Pre-commercial procurement, PPI = Public procurement of innovative solutions, RIA = Research and Innovation Action, RIA LS = Research and Innovation action Lump Sum

Indicative timetable for evaluation and grant agreement signature:

For single stage procedure:

- Information on the outcome of the evaluation: max. 5 months from the final date for submission
- Indicative date for the signing of grant agreements: max. 8 months from the final date for submission.

For two stage procedure:

- Information on the outcome of the evaluation: max. 3 months from the final date for submission for the first stage and max. 5 months from the final date for submission for the second stage
- Indicative date for the signing of grant agreements: max 8 months from the final date for submission of the second stage.

Exceptions to grant conditions, eligibility and admissibility conditions and evaluations will be defined on a later date (please consult the work programme “Health, demographic change and wellbeing” for more details).

Notice that consortium agreement is needed for all consortium submissions.

Online sources of information:

- European Commission's H2020 pages:
<http://ec.europa.eu/research/horizon2020>
- European Commission funding & tenders:
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/h2020>
- Finnish H2020 pages:
<https://www.businessfinland.fi/suomalaisille-asiakkaille/palvelut/rahoitus/horisontti-2020/lyhyesti>

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