

New health Horizon 2020 research projects in 2020

Outcome of Horizon 2020 SC1 – Health – 2020 calls for proposals (October 2020)

On 30 October 2020, the European Commission announced that 75 projects were short-listed following the annual call for proposals for the Health societal challenge for the final year of Horizon 2020 (H2020-SC1-BHC-2018-2020). In March 2021, one additional project (RIVER-EU) was added from the reserve list.

The 76 projects short-listed after evaluation involve 1170 participants from 58 countries, who will receive a total of €511 million in grants to address a wide range of crucial health challenges and opportunities.

The majority of the funding (~€443m) is allocated as 61 grants for Research and Innovation Actions (RIA), complemented by 4 Pre-commercial procurement (PCP) actions (~€23m) and 3 ERA-NET Cofund contributions (~€27m) that will leverage funding from Member States to launch co-funded calls for proposals for additional research projects. In addition, there are 8 Coordination and Support Actions (CSA) (~€18m). See table for details.

Acronym	Title	Coordinating institution	Partners
DIGITAL DIAGNOSTICS – DEVELOPING TOOLS TO SUPPORT CLINICAL DECISIONS (BHC-06) – EU funding: € 69.6 million			
<u>AI-Mind</u>	Intelligent digital tools for screening of brain connectivity and dementia risk estimation in people affected by mild cognitive impairment	Oslo Universitetssykehus HF (NO)	15
<u>DECIDER</u>	Improved clinical decisions via integrating multiple data levels to overcome chemotherapy resistance in high-grade serous ovarian cancer	Helsingin Yliopisto (FI)	14
<u>iToBoS</u>	Intelligent Total Body Scanner for Early Detection of Melanoma	Universitat de Girona (ES)	19
<u>MAESTRIA</u>	Machine Learning Artificial Intelligence Early Detection Stroke Atrial Fibrillation	Sorbonne Université (FR)	18
<u>SLEEP REVOLUTION</u>	Revolution of sleep diagnostics and personalized health care based on digital diagnostics and therapeutics with health data integration	Reykjavik University (IS)	37

NEW INTERVENTIONS FOR NON-COMMUNICABLE DISEASES (BHC-08) – EU funding: € 75.0 million

<u>TTV GUIDE TX</u>	Personalisation of immunosuppression by monitoring viral load post kidney transplantation - a randomised controlled phase II trial	Medizinische Universität Wien (AT)	19
<u>SPIOMET4HEALTH</u>	PCOS in adolescent girls and young women: towards a treatment guided by pathophysiology	Hospital Sant Joan de Déu (ES)	17
<u>ICOD</u>	Improving COgnition in Down syndrome	Mar Parc de Salut de Barcelona (ES)	6
<u>RITA-MI 2</u>	Rituximab in patients with acute myocardial infarction: a phase 2 placebo-controlled randomised clinical trial	INSERM (FR)	13
<u>TIGER</u>	Proof of Principle of the best-in-class therapeutic mRNA cancer vaccine	Etherna Immunotherapies (BE)	7
<u>A-TANGO</u>	Novel treatment of acute-on-chronic liver failure using synergistic action of G-CSF and TAK-242	European Foundation for the Study of Chronic Liver Failure (EF-CLIF) (ES)	14
<u>RESILIENCE</u>	Remote Ischemic Conditioning in Lymphoma Patients Receiving Anthracyclines.	Centro Nacional de Investigaciones Cardiovasculares Carlos III (ES)	13
<u>STOPSTORM</u>	A prospective European validation cohort for stereotactic therapy of re-entrant tachycardia	Universitair Medisch Centrum Utrecht (NL)	31
<u>BEAT AF</u>	Ground-BrEaking Electroporation-based inTervention for Atrial Fibrillation treatment	Université de Bordeaux (FR)	9
<u>PSY-PGx</u>	A New Intervention for Implementation of Pharmacogenetics in Psychiatry	PBG Zorgholding BV (NL)	16
<u>FORTEe</u>	Get strong to fight childhood cancer: an exercise intervention for children and adolescents undergoing anti-cancer treatment	Universitätsmedizin der Johannes Gutenberg-Universität Mainz (DE)	17
<u>CORDIAL</u>	Clinical validation of a continuous flow peritoneal dialysis system, with dialysate regeneration	Universitair Medisch Centrum Utrecht (NL)	4

ADVANCING SAFETY ASSESSMENT OF CHEMICALS WITHOUT USE OF ANIMAL TESTING (BHC-11) - EU funding: € 59.4 m

<u>ONTOX</u>	Ontology-driven and artificial intelligence-based repeated dose toxicity testing of chemicals for next generation risk assessment	Vrije Universiteit Brussel (BE)	18
<u>RISK-HUNT3R</u>	RISK assessment of chemicals integrating HUMAN centric Next generation Testing strategies promoting the 3Rs	Universiteit Leiden (NL)	37
<u>PrecisionTox</u>	Toward Precision Toxicology: New Approach Methodologies for Chemical Safety	The University of Birmingham (UK)	15

GLOBAL ALLIANCE FOR CHRONIC DISEASES (GACD) – PREVENTION AND/OR EARLY DIAGNOSIS OF CANCER (BHC-17) –
Total EU funding: € 18.6 million

<u>CBIG-SCREEN</u>	Working collaboratively with vulnerable women to identify the best implementation gains by screening cervical cancer more effectively in European countries	INSERM (FR)	14
<u>PRESCRIP-TEC</u>	Prevention and Screening Innovation Project Towards Elimination of Cervical Cancer	Academisch Ziekenhuis Groningen (NL)	15
<u>CHILI</u>	A Community-based HPV screening implementation in Low-Income countries	Universiteit Ghent (BE)	12
<u>EU-TOPIA-EAST</u>	TOwards imProved screening for breast, cervical and colorectal cancer in Eastern-Europe: Equitable, Actionable, Sustainable and Trustworthy	Erasmus Medisch Centrum Rotterdam (NL)	8
<u>EquityCancer-LA</u>	Improving equity in access to early diagnosis of cancer: implementation research in different healthcare systems of Latin America	El Consorci de Salut i Social de Catalunya (ES)	7
<u>CANCERLESS</u>	Cancer prevention and early detection among the homeless population in Europe: Co-adapting and implementing the Health Navigator Model	Medizinische Universität Wien (AT)	11

PRE-COMMERCIAL PROCUREMENT (PCP) FOR INTEGRATED CARE SOLUTIONS (BHC-20A) – Total EU funding: € 23.1m

<u>Carematrix PCP</u>	Pre-commercial procurement for integrated CARE solutions addressing the Multimorbidity mATRIX in ageing populations	Innovation Skane AB (SE)	7
<u>INCAREHEART</u>	Pre-commercial Procurement of innovative ICT-enabled integrated care solutions to advance multidisciplinary health and care for patients with chronic heart failure	Region Jämtland Härjedalen (SE)	8
<u>CRANE</u>	Comprehensive Treatment of Chronic Patients in Rural Areas	Region Västerbotten (SE)	7
<u>TIQUE</u>	InnovaTlve care services, enhanced with technology, to deliver QUick rEsponses for individuals with advanced heart failure and complex care needs through integrated care	Fundació de Gestió Sanitària de l'Hospital de la Santa Creu i Sant Pau (ES)	8

HEALTHCARE INTERVENTIONS FOR THE MANAGEMENT OF THE ELDERLY MULTIMORBID PATIENT (BHC-24) –
Total EU funding: € 35.1 million

<u>AFFIRMO</u>	Atrial fibrillation integrated approach in frail, multimorbid and polymedicated older people	Aalborg Universitet (DK)	20
<u>CAREPATH</u>	An Integrated Solution for Sustainable Care for Multimorbid Elderly Patients with Dementia	ECLEXYS SAGL (CH)	10
<u>CARDIOCARE</u>	An interdisciplinary approach for the management of the elderly multimorbid patient with breast cancer therapy induced cardiac toxicity	Panepistimio Ioanninon (EL)	12
<u>GERONTE</u>	Streamlined Geriatric and Oncological evaluation based on IC Technology for holistic patient-oriented healthcare management for older multimorbid patients	Université de Bordeaux (FR)	10
<u>EHRA - PATHS</u>	Addressing multimorbidity in elderly atrial fibrillation patients through interdisciplinary, tailored, patient-centered care pathways	Société Européenne de Cardiologie (FR)	14
<u>ESCAPE</u>	Evaluation of a patient-centred biopsychosocial blended collaborative care pathway for the treatment of multi-morbid elderly patients	Syddansk Universitet (DK)	16

INNOVATIVE ACTIONS FOR IMPROVING URBAN HEALTH AND WELLBEING – ADDRESSING ENVIRONMENT, CLIMATE AND SOCIOECONOMIC FACTORS (BHC-29) – Total EU funding: € 30.1 million

<u>RECETAS</u>	Re-imagining Environments for Connection and Engagement: Testing Actions for Social Prescribing in Natural Spaces	Instituto de Salud Global de Barcelona (ES)	13
<u>WELLBASED</u>	Improving health, wellbeing and equality by evidenced-based urban policies for tackling energy poverty	Fundación de la comunitat Valenciana para la promoción estratégica, el Desarrollo y la Innovación Urbana (ES)	19
<u>HEART</u>	HEAlthier Cities through Blue-Green Regenerative Technologies: the HEART Approach	National Technical University of Athens – NTUA (EL)	19
<u>ENLIGHTENme</u>	Innovative policies for improving citizens' health and wellbeing addressing indoor and outdoor lighting	Università di Bologna (IT)	22
<u>eMOTIONAL Cities</u>	eMOTIONAL Cities - Mapping the cities through the senses of those who make them	Instituto de Geografia e Ordenamento do Território da Universidade de Lisboa (PT)	12
<u>URBANOME</u>	Urban Observatory for Multi-participatory Enhancement of Health and Wellbeing	Aristotle University of Thessaloniki (EL)	16

ADDRESSING LOW VACCINE UPTAKE (BHC-33) – Total EU funding: € 9.4 million			
<u>JITSUVAX</u>	Jiu-jitsu with misinformation in the age of Covid: using refutation-based learning to enhance vaccine uptake and knowledge among healthcare professionals and the public	University of Bristol (UK)	6
<u>VAX-TRUST</u>	Addressing vaccine hesitancy in Europe	Tampere University of Applied Sciences (FI)	10
<u>RIVER-EU</u>	Reducing Inequalities in Vaccine uptake in the European Region – Engaging Underserved communities	Academisch Ziekenhuis Groningen (NL)	14
NEW APPROACHES FOR CLINICAL MANAGEMENT AND PREVENTION OF RESISTANT BACTERIAL INFECTIONS IN HIGH PREVALENCE SETTINGS (BHC-34) – Total EU funding: € 24.0 million			
<u>REVERSE</u>	pREvention and management tools for rEducing antibiotic Resistance in high prevalence Settings	Université de Genève (CH)	11
<u>NeolPC</u>	Establishing innovative approaches for optimal infection prevention of resistant bacteria in NICUs	Università di Padova (IT)	12
CREATION OF A EUROPEAN WIDE SUSTAINABLE NETWORK FOR HARMONISED LARGE-SCALE CLINICAL RESEARCH STUDIES FOR INFECTIOUS DISEASES (BHC-35) – Total EU funding: € 30.0 million			
<u>ECRAID-Base</u>	European Clinical Research Alliance on Infectious Diseases	Universitair Medisch Centrum Utrecht (NL)	18
MICRO- AND NANO-PLASTICS IN OUR ENVIRONMENT: UNDERSTANDING EXPOSURES AND IMPACTS ON HUMAN HEALTH (BHC-36) – Total EU funding: € 30.1 million			
<u>POLYRISK</u>	Understanding human exposure and health hazard of micro- and nanoplastic contaminants in our environment	Universiteit Utrecht (NL)	15
<u>AURORA</u>	Actionable eUropean ROadmap for early-life health Risk Assessment of micro- & nanoplastics	Universitair Medisch Centrum Utrecht (NL)	11
<u>Imptox</u>	An innovative analytical platform to investigate the effect of toxicity of micro and nano plastics combined with environmental contaminants on the risk of allergic disease	University of Belgrade (RS)	12
<u>PLASTICHEAL</u>	Innovative tools to study the impact and mode of action of micro and nanoplastics on human health	Universitat Autònoma de Barcelona (ES)	11
<u>PlasticsFate</u>	Plastics fate and effects in the human body	Optimat Ltd (UK)	28
TOWARDS THE NEW GENERATION OF CLINICAL TRIALS – TRIALS METHODOLOGY RESEARCH (BHC-37) – Total EU funding: € 6.0 million			
<u>CCE DART</u>	Building Data Rich Clinical Trials	Institut d'Investigació Oncològica de Vall-Hebron (ES)	11

USE OF REAL-WORLD DATA TO ADVANCE RESEARCH ON THE MANAGEMENT OF COMPLEX CHRONIC CONDITIONS
(DTH-12) – Total EU funding: € 40.7 million

<u>REALMENT</u>	Using real-world big data from eHealth, biobanks and national registries, integrated with clinical trial data to improve outcome of severe mental disorders	Universitetet i Oslo (NO)	14
<u>REBECCA</u>	REsearch on BrEaSt Cancer induced chronic conditions supported by Causal Analysis of multi-source data	Aristoteleio Panepistimio Thessalonikis (EL)	12
<u>RE-SAMPLE</u>	RE-SAMPLE	Universiteit Twente (NL)	10
<u>I-CARE4OLD</u>	Individualized CARE for Older Persons with Complex Chronic Conditions in home care and nursing homes	Stichting VUMC (NL)	14
<u>RETENTION</u>	heaRt failurE paTient managEmEnt and iNTerventIOns usiNg continuous patient monitoring outside hospitals and real world data	Institute of Communication and Computer Systems (EL)	14
<u>TIMESPAN</u>	Management of chronic cardiometabolic disease and treatment discontinuity in adult ADHD patients	Orebro University (SE)	17
<u>MES-CoBraD</u>	Multidisciplinary Expert System for the Assessment & Management of Complex Brain Disorders	National Technical University of Athens (EL)	14

IMPLEMENTATION RESEARCH FOR SCALING UP AND TRANSFER OF INNOVATIVE SOLUTIONS INVOLVING DIGITAL TOOLS FOR PEOPLE-CENTRED CARE (DTH-13) – Total EU funding: € 16.0 million

<u>PanCareSurPass</u>	PanCare studies of the scale-up and implementation of the digital Survivorship Passport to improve people-centred care for childhood cancer survivors	Universitätsmedizin der Johannes Gutenberg-Universität Mainz (DE)	17
<u>DigiCare4You</u>	An intersectoral innovative solution involving DIGItal tools, empowering families and integrating community CARE services for the prevention and management of type 2 diabetes and hypertension	Harokopio University Athens (EL)	16
<u>IMMERSE</u>	The implementation of Digital Mobile Mental Health in clinical care pathways: Towards person-centered care in psychiatry	Katholieke Universiteit Leuven (BE)	9
<u>SEURO</u>	Scaling EUROpean citizen driven transferable and transformative digital integrated health and social care	Trinity College Dublin (IE)	12

ERA-NET TO SUPPORT THE JOINT PROGRAMMING INITIATIVE ON ANTIMICROBIAL RESISTANCE (JPIAMR) (HCO-07) – Total EU funding: € 8.4 million

<u>JPIAMR-ACTION</u>	JPIAMR – Antimicrobial Transmission Interventions	Swedish Research Council (SE)	26
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ERA-NET: SUSTAINED COLLABORATION OF NATIONAL AND REGIONAL PROGRAMMES IN CANCER RESEARCH (HCO-14) – Total EU funding: € 11.1 million

<u>TRANSCAN-3</u>	ERA-NET: Sustained collaboration of national and regional programmes in cancer research	Ministero della Salute (IT)	31
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ERA-NET: SUSTAINED COLLABORATION OF NATIONAL AND REGIONAL PROGRAMMES IN RESEARCH ON BRAIN-RELATED DISEASES AND DISORDERS OF THE NERVOUS SYSTEM (HCO-16) – Total EU funding: € 7.3 million

<u>NEURON Cofund2</u>	Network of European funding for neuroscience research	DLR (DE)	26
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COORDINATION AND SUPPORT ACTIONS (CSAs) – Total EU funding: € 17.7 million

<u>HealthyCloud</u>	Health Research & Innovation Cloud	Instituto Aragonés de Ciencias de la Salud (ES)	21
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<u>ICPerMed Secretariat</u>	Secretariat for the International Consortium for Personalised Medicine (ICPerMed)	DLR (DE)	4
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<u>EU-Africa PerMed</u>	Building links between Europe and Africa in personalised medicine	Innovatec (ES)	11
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<u>A4L ACTIONS</u>	Alliance for Life Sciences: From Strategies to Actions in Central and Eastern Europe	Masarykova univerzita (CZ)	12
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<u>IHMCSA</u>	International Human Microbiome Coordination and Support Action	Institut National de la Recherche pour l'agriculture, l'alimentation et l'Environnement (INRAE) (FR)	17
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<u>CORE-MD</u>	Coordinating Research and Evidence for Medical Devices	Société Européenne de Cardiologie (FR)	22
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<u>EuroGCT</u>	European consortium for communicating gene- and cell-based therapy information.	The University of Edinburgh (UK)	47
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<u>ERICA</u>	European Rare disease research Coordination and support Action	Academisch Ziekenhuis Leiden (NL)	24
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Disclaimer: For each project, funding and composition of the consortium, including the coordinating institution, is subject to final European Commission decision and signature of Horizon 2020 Grant Agreement.

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