



Horizon Europe

Cancer Mission EU funding opportunities

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Cancer - Funding and synergies

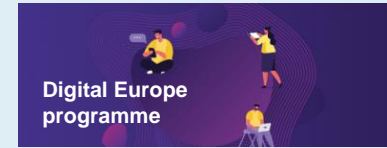


- Research and innovation
- 365 M EUR year 1-3 for thematic calls
- Open calls now (deadline April)



- Development and deployment of infrastructures, networks, best practices, products etc
- 1,25 B EUR for the cancer plan
- 60% funding rate for action grants

Open calls!



HE Partnerships
Eg: IHI, THCS,
TRANSCAN3,
PerMed



Recovery and Resilience Facility
National and Regional funding
Private funders
Etc.



EU Cancer Mission: proposed topics WP2023

Four actions planned



HORIZON-MISS-2023-CANCER-01-01

Addressing poorly-understood tumour-host interactions to enhance immune system-centred treatment and care interventions in childhood, adult and elderly cancer patients

- Type: **RIA**
- Closure: 12 April, 2023
- Budget 36,68 EUR Million
- Numb. projects expected: 4



HORIZON-MISS-2023-CANCER-01-02

Enhance primary cancer prevention through sustainable behavioural change

- Type: **RIA**
- Closure: 12 April, 2023
- Budget: 25 EUR Million
- Numb. projects expected: 5



HORIZON-MISS-2023-CANCER-01-03

Pragmatic clinical trials on minimally invasive diagnostics

- Type: **RIA**
- Closure: 12 April, 2023
- Budget: 43 EUR Million
- Numb. projects expected: 7



HORIZON-MISS-2023-CANCER-01-04

Improve quality of life for survivors of childhood cancer (Best practices and tools)

- Type: **IA**
- Closure: 12 April, 2023
- Budget: 6 EUR Million
- Numb. projects expected: 1

Mission Cancer calls 2024

???

Cancer Mission expected actions

Understanding:

- Establish the **'UNCAN.eu' platform** by 2023 (2021-2023)
- Better understand **healthy versus cancer cells** at individual and population level (2021-2028).
- Better understand **cancer-patient** molecular, cell, organ, organismal **interactions** (2023-2029)
- Determine the **role of genetics** in cancer (2024-2030):

Prevention (including screening and early detection):

- Develop a **one-stop cancer information centre** on prevention (2022-2025)
- Boost research and innovation into **risk assessment** (2024-2027)
- Conduct **implementation research** on cancer prevention (2022-2030)
- Establish **synergies on prevention with other missions** (2023-2026)
- **Optimise and improve access** to existing **screening programmes** (2024-2029)
- Develop **new methods and technologies** for screening and early detection (2021-2026)
- Develop **early predictors/tests** (2025-2030)

Optimise diagnostics and treatment:

- Support the creation of a **Network of Comprehensive Cancer Infrastructures** (CCIs) by 2025 (2021-2025)
- Develop **twinning programmes** (2024-2028)
- Develop a **clinical trial programme on diagnostics** (2023-2027)
- Develop a **clinical trial programme on treatments** (2022-2023)

Support quality of life:

- Collect and analyse **data on today's unmet needs** of cancer patients and survivors (2021-2025)
- Set up of the **European Cancer Patient Digital Centre** (2021-2023)
- Develop **early predictors for quality of life** (2024-2030)
- Design **monitoring programmes for survivors of childhood cancer** (2021-2027)



Read the [implementation plan!](#)



Health R&I funding

Horizon Europe (2021-2027)

Pillar 1
Excellent Science

- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures

Pillar 2
Global Challenges and European Industrial Competitiveness

- **Health (€8.2B)**
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Clusters

Health Partnerships / Mission on Cancer

Joint Research Centre

Pillar 3
Innovative Europe

- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area

- Widening participation and spreading excellence
- Reforming and Enhancing the European R&I system

Calls are published as annexes to the biennial work programme for HE, and also in partnerships!

Topics: Health Cluster – Destination 1-3 (Dec 2022)

Dest. 1

The Silver Deal - **Person-centred health and care** in European regions (RIA - 2023)

Towards a **holistic support** to **children and adolescents'** health and care provisions in an increasingly **digital society** (RIA - 2024)

Personalised prevention of NCDs - addressing **areas of unmet needs** using multiple **data** sources (RIA - 2024)

Destination 2

Planetary health: understanding the **links between environmental degradation and health impacts** (RIA - 2023)

Evidence-based **interventions for promotion of mental and physical health** in **changing working environments** (post-pandemic workplaces) (RIA - 2023)

Health impacts of **endocrine-disrupting chemicals**: bridging science-policy gaps by addressing **persistent scientific uncertainties** (RIA - 2023)

Global **coordination of exposome research** (CSA - 2023)

The role of **environmental pollution in NCDs**: air, noise and light and hazardous waste pollution (RIA - 2024)

Destination 3

Novel approaches for **palliative and end-of-life care for non-cancer patients** (RIA - 2023)

Interventions in city environments to reduce risk of **NCDs** (GACD) (RIA - 2023)

Broad spectrum anti-viral therapeutics for infectious diseases with **epidemic potential** (RIA - 2023) *

Destination 3

Sustaining established coordination mechanisms for **European adaptive platform trials and/or for cohort networks** (CSA - 2023) *

Towards structuring **brain health research** in Europe (CSA - 2023)

Relationship between **infections and NCDs** (RIA - 2023)

Understanding **vaccine induced-immunity** (RIA - 2023) *

Immunogenicity of viral proteins of viruses with epidemic and **pandemic potential** (RIA - 2023) *

European **Partnership on Rare Diseases** (COFUND - 2023)

Comparative effectiveness research for healthcare interventions in **areas of high public health need** (RIA - 2024)

Adaptive platform trials for pandemic preparedness (RIA - 2024) *

Validation of **fluid-derived biomarkers** for the prediction and prevention of **brain disorders** (RIA - 2024)

Tackling **high-burden** for patients, **under-researched medical conditions** (RIA - 2024)

Maintaining the European **partnership for pandemic preparedness** (CSA - 2024)

Host-pathogen interactions of infectious diseases with **epidemic potential** (RIA - 2024) *

European **Partnership: One Health AMR** (COFUND - 2024)

Deadlines in April and September 2023; April 2024

* Pandemic preparedness and response

Topics: Health Cluster – Destination 4-6 (Dec 2022)

Dest. 4

Maintaining **access to regular health and care services** in case of **cross-border emergencies** (RIA - 2023)

Resilience and mental wellbeing of the health and care **workforce** (RIA - 2023)

Environmentally sustainable and climate neutral **health and care systems** (RIA - 2023)

European **Partnership on Personalised Medicine** (COFUND - 2023)

Access to health and care services for people in **vulnerable** situations (RIA - 2024)

Clinical trials of combined Advanced Therapy Medicinal Products (**ATMPs**) (RIA - 2023)

Integrated, multi-scale computational models of patient pathophysiology (**‘virtual twins’**) for **personalised disease management** (RIA - 2023)

Better integration and use of **health-related real-world and research data**, including genomics, for **improved clinical outcomes** (RIA - 2023)

Harnessing the potential of **real-time data analysis and secure Point-of-Care computing** for the benefit of **person-centred health and care delivery** (IA - 2023)

In vitro diagnostic devices to tackle **cross-border health threats** (IA - 2023) *

Destination 5

Destination 5

Developing a **Data Quality and Utility Label for the European Health Data Space** (CSA - 2023)

Innovative **non-animal human-based tools and strategies** for biomedical research (RIA - 2024)

Bio-printing of living cells for regenerative medicine (RIA - 2024)

Supporting the uptake of innovative HTA methodology and advancing HTA expertise **across EU** (CSA - 2024)

Expanding the **European Electronic Health Record exchange Format** to improve **interoperability** within the **EHDS** (RIA - 2023)

Modelling and simulation to address **regulatory needs** in the development of **orphan and paediatric** medicines (RIA - 2023)

Mapping the hurdles for the clinical applications of **ATMPs** (CSA - 2023)

Development and harmonisation of **methodologies for assessing digital health technologies in Europe** (RIA - 2023)

Developing **EU methodological frameworks for clinical/performance evaluation** and post-market clinical/performance **follow-up of medical devices and in vitro diagnostic medical devices** (IVDs) (RIA - 2024)

Gaining experience and confidence in **New Approach Methodologies (NAM) for regulatory safety and efficacy testing** – coordinated training and experience exchange for **regulators** (CSA - 2024)

Destination 6

Deadlines in April and September 2023; April 2024

* Pandemic preparedness and response

Examples of other Horizon Europe topics

Cluster 4 – Digital, Industry and Space

- Efficient trustworthy AI - making the best of data (RIA)
- Large Scale pilots on trustworthy AI data and robotics addressing key societal challenges (IA)
- Through AI from Disinformation to Trust (IA)
- Next Generation eXtended Reality (RIA)
- eXtended Reality for Industry 5.0 (IA)
- Explainable and Robust AI (AI Data and Robotics Partnership) (RIA)
- Collaborative intelligence – combining the best of machine and human (RIA)

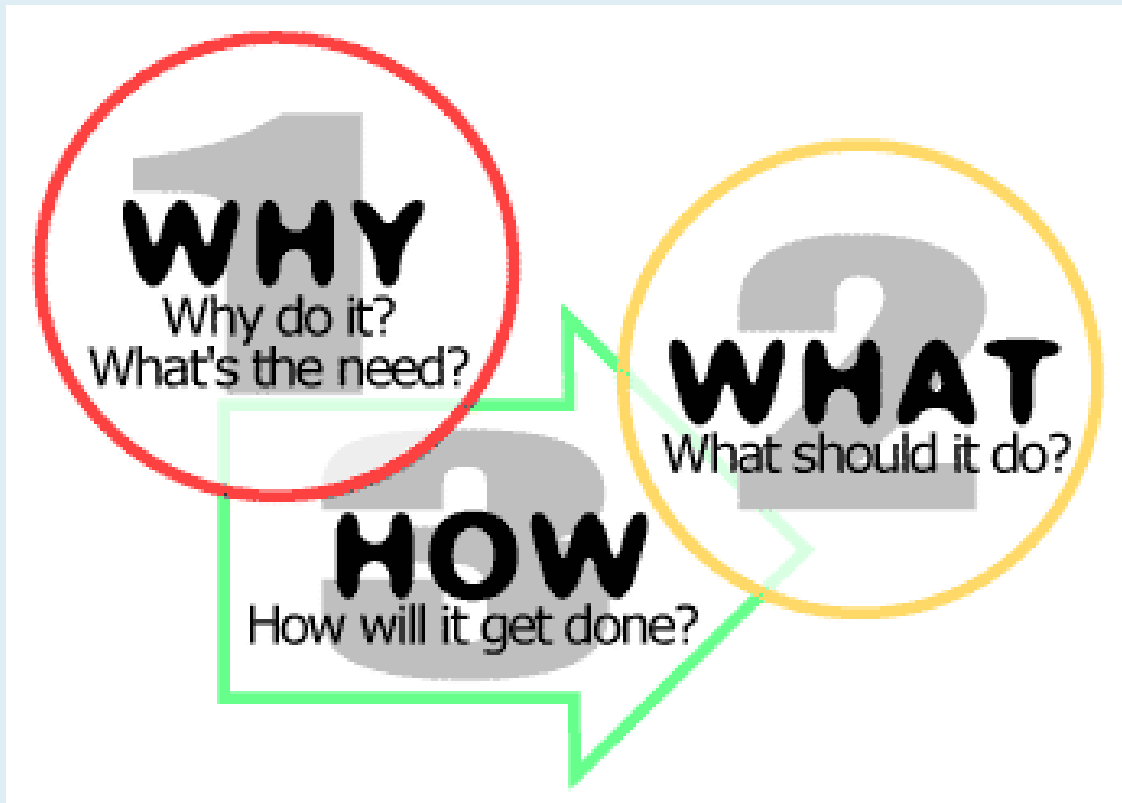
EIC

- EIC Accelerator Challenge: Novel biomarker-based assays to guide personalised cancer treatment

Research Infrastructure

- Research infrastructure services to enable R&I addressing main challenges and EU priorities
- Concept development for a research infrastructure to manage, integrate and sustain large medical cohort studies

How to read topics - Interpretation logic



- Does my idea fit here?
- Is my interpretation of the focus, correct?
- What are the informal wishes of the topic?
- What can be my contribution?

Useful Horizon Europe websites

- [Funding & Tenders Portal](#)
 - Find calls for proposals and tenders
- [National Contact Points for Horizon Europe](#)
 - Provide information & support at national level

Partnerships likely to launch cancer relevant joint calls

Open for applicants from participating countries



TRANSCAN 3

2021-2025

Translational cancer research

New call planned in 2023

TRANSCAN

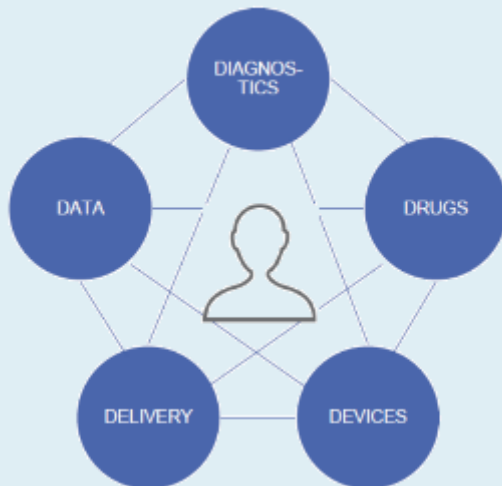


Personalised Medicine

ERA PerMed – Ongoing - 2023

EP PERMED – Start 2023/2024

5D for research and health paradigm shift



Innovative Health Initiative (IHI)

Open calls

Partnership with industry

Large budget



Transforming Health and Care Systems (THCS)

First calls expected soon



Rare Diseases

EJP RD – Ongoing - 2023

EP RD – Start 2024

Concept paper published

Innovative Health Initiative (IHI)

IHI call 3 (single stage call)

Topic 1: Screening platform and biomarkers for prediction and prevention of diseases of unmet public health need

Topic 2: Patient-generated evidence to improve outcomes, support decision making, and accelerate innovation

Topic 3: Combining hospital interventional approaches to improve patient outcomes and increase hospital efficiency

Topic 4: Strengthening the European translational research ecosystem for advanced therapy medicinal products (ATMPs) for rare diseases

Topic 5: Digital health technologies for the prevention and personalised management of mental disorders and their long-term health consequences

IHI call 4 (two stage call)

Topic 1: Expanding translational knowledge in minipigs: a path to reduce and replace non-human primates in non-clinical safety assessment

Topic 2: Patient-centric blood sample collection to enable decentralised clinical trials and improve access to healthcare



Health in Digital Europe Work Programme 2021-22

Artificial Intelligence, data and cloud

Data spaces – Health Data Space

Genomics data

Budget 20 MIO
EUR

Cancer imaging data

18 MIO

Testing and Experimentation Facilities

TEF
for
Health
30 MIO

Cybersecurity and trust

Support to cybersecurity in the health sector

10 MIO
(Cybersecurity
Work Programme)

Accelerating best use of technologies

Uptake of digital solutions in Health and Care

CSA 1 MIO

An ecosystem for digital twins in healthcare

CSA 5 MIO

EU4Health 2021-2027



Brussels, 21.11.2022
C(2022) 8510 final
ANNEX 1

ANNEX

to the

COMMISSION IMPLEMENTING DECISION

on the financing of the Programme for the Union's action in the field of health
(“EU4Health Programme”) and the adoption of the work programme for 2023



735 788 071€

3. CANCER	187.3
CANCER PREVENTION	1.5
EU NETWORK OF COMPREHENSIVE CANCER INFRASTRUCTURES	130.5
MENTAL HEALTH AND CANCER	10.0
IMPLEMENTATION OF CANCER SCREENING PROGRAMMES	38.5
QUALITY OF LIFE OF CANCER SURVIVORS	1.5
REDUCING CANCER INEQUALITIES ⁹	2.5
IMPLEMENTATION OF STRATEGIC AGENDA FOR MEDICAL IONISING RADIATION	2.8

2023 | ACTION GRANTS

Action grants

Call for proposals to support:

- a) access to medical devices for cross-border health threats (HERA);
- b) prevention of NCDs in the area of chronic respiratory diseases;
- c) prevention of NCDs: mental health actions in particular to support vulnerable population groups (migrants, refugees, Roma people and displaced people from Ukraine);
- d) mental health challenges for cancer patients and survivors; 
- e) prevention of NCDs in the area of dementia and other neurological disorders;
- f) implementation of the strategic agenda for medical ionising radiation applications: organisation of clinical audit campaigns; 
- g) safety and quality of new substances of human origin (breast milk, faecal microbiota transplants);
- h) facilitating organ paired exchange;
- i) orphan medical devices, in particular targeting paediatric patients.

Useful websites

- [EU4Health Website](#)

e.g. provides full text of regulation and adopted work programmes

- [Health and Digital Executive Agency \(HaDEA\)](#)

e.g organises information sessions on opportunities to apply for grants / tenders)

- [National Focal Points for EU4Health](#)

provide information & support at national level

Tips

- Read background documents (implementation plan, strategic plan for HE etc)
- Link proposal up the chain to a policy, missions
- Even more important to look at where your expertise can help solve a problem/challenge (NOT where can you find funding for your existing project), you are the supplier here
- Consortium composition
 - Who is Challenge owners?
 - From project outputs to outcomes
- Start now, early is better
- Talk with your network, your friends
- Ask for help
- Join, and be active in, partnerships (or make friends with someone who is)
- Learn to write more concisely



Horizon Europe

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)

Mission Cancer

