



Europe's Beating Cancer Plan and Mission on Cancer

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EUROPE'S BEATING CANCER PLAN
LET'S STRIVE FOR MORE

#EUCancerPlan

Europe's Beating Cancer Plan

The Plan has four pillars: (1) prevention; (2) early detection; (3) diagnosis and treatment; and (4) quality of life of cancer patients and survivors

Cross-cutting themes: research and innovation, digital and personalised medicine, reducing inequalities, paediatric cancer

10 flagship initiatives and 32 actions - at every key stage of the disease

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Research and digitalisation at the service of the patient

Flagships:

- Knowledge Centre on Cancer (2021)
- European Cancer Imaging Initiative (2022)



RESEARCH



DIGITALISATION

Examples of actions:

- Secure access and sharing of patient data in the European Health Data Space (2021-2025)
- Expanding European Cancer Information System (2021-2022)
- Launching Horizon Europe Partnerships (2021)

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Prevention

Flagship:

HPV vaccination for boys and girls (2021-2030)



VACCINE
PREVENTION

Examples of actions:

- Update of the European Code against Cancer (2021-2025)
- Create a 'Tobacco Free Generation' (2021-2025)
- Reduce harmful alcohol consumption (taxation, labelling, marketing) (2021-2025)
- Healthy diets and physical activity through 'HealthyLifestyles4All' (2021-2024)
- EU air quality standards alignment with WHO guidelines (2021-2023)
- Measures towards zero-emission mobility under the Sustainable and Smart Mobility Strategy (2021-2025)
- Measures to reduce workers' exposure to hazardous substances (2021-2027)

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Early detection

Flagship:

New Cancer Screening Scheme (2021 – 2025)



DETECTION

Examples of actions:

- **Update Council Recommendation on Screening (2022)**
- **Quality assurance schemes for colorectal and cervical cancer, updating existing on breast cancer (2021-2025)**

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Diagnosis and treatment

Flagships:

- Creation of National Comprehensive Cancer Centres (2021-2025)
- 'Cancer Diagnostic and Treatment for All' initiative (2021-2025)
- Understanding cancer: UNCAN.eu (2021-2025)

Examples of actions:

- Inter-specialty training programme (2021-2025)
- New Reference Networks on specific cancer types (2022-2025)
- SAMIRA Action Plan (2021-2015)



DIAGNOSIS &
TREATMENT

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Quality of life for patients, survivors and carers

Flagship

- **Better Life for Cancer Patients Initiative: Cancer Survivor Smart Card and European Patient Digital Centre (2021 – 2023)**

Examples of actions:

- **Fair access for cancer survivors to financial services (2021-2023)**
- **Study related to the return to work of cancer survivors (2022)**

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Reducing inequalities and COVID-19

Flagship:

- » **Cancer Inequalities Registry (2021-2022)**

Examples of actions:

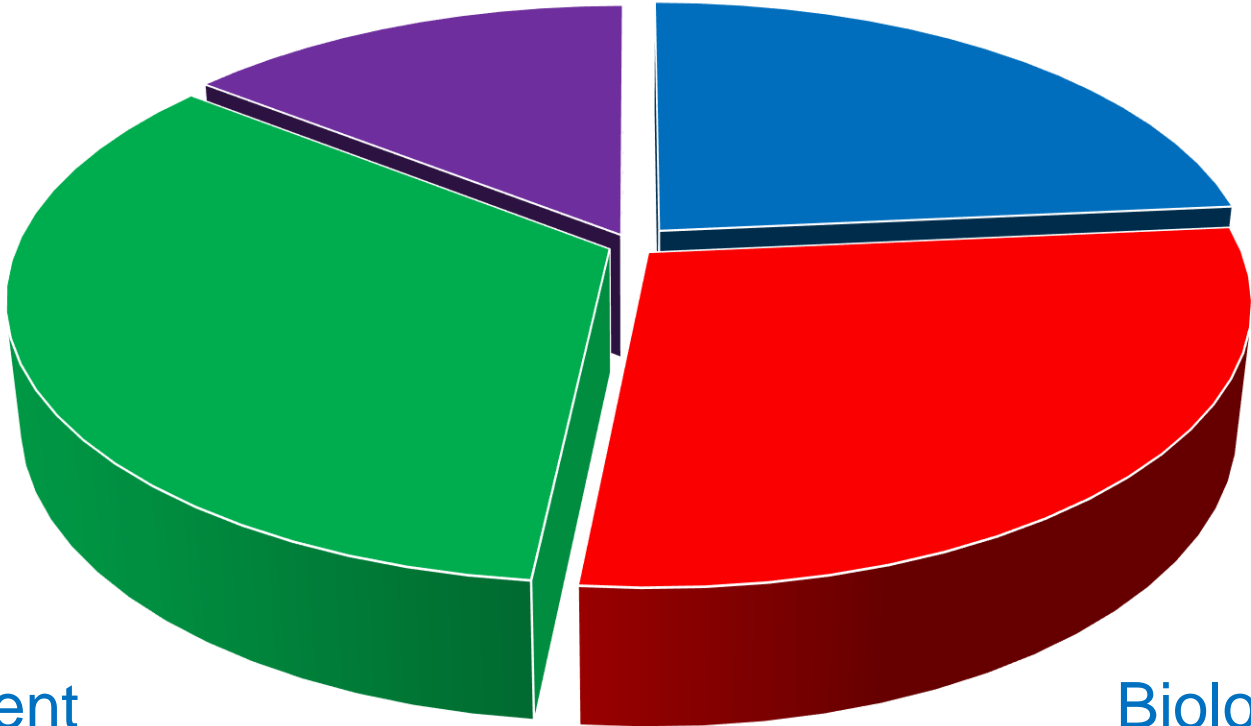
- » **Telemedicine, remote monitoring, virtual consultation model of ERNs (2021-2023)**
- » **Reinforce European health systems for cancer care in future crises (2021-2025)**



EU funded cancer research

Quality of Life / Other
7%

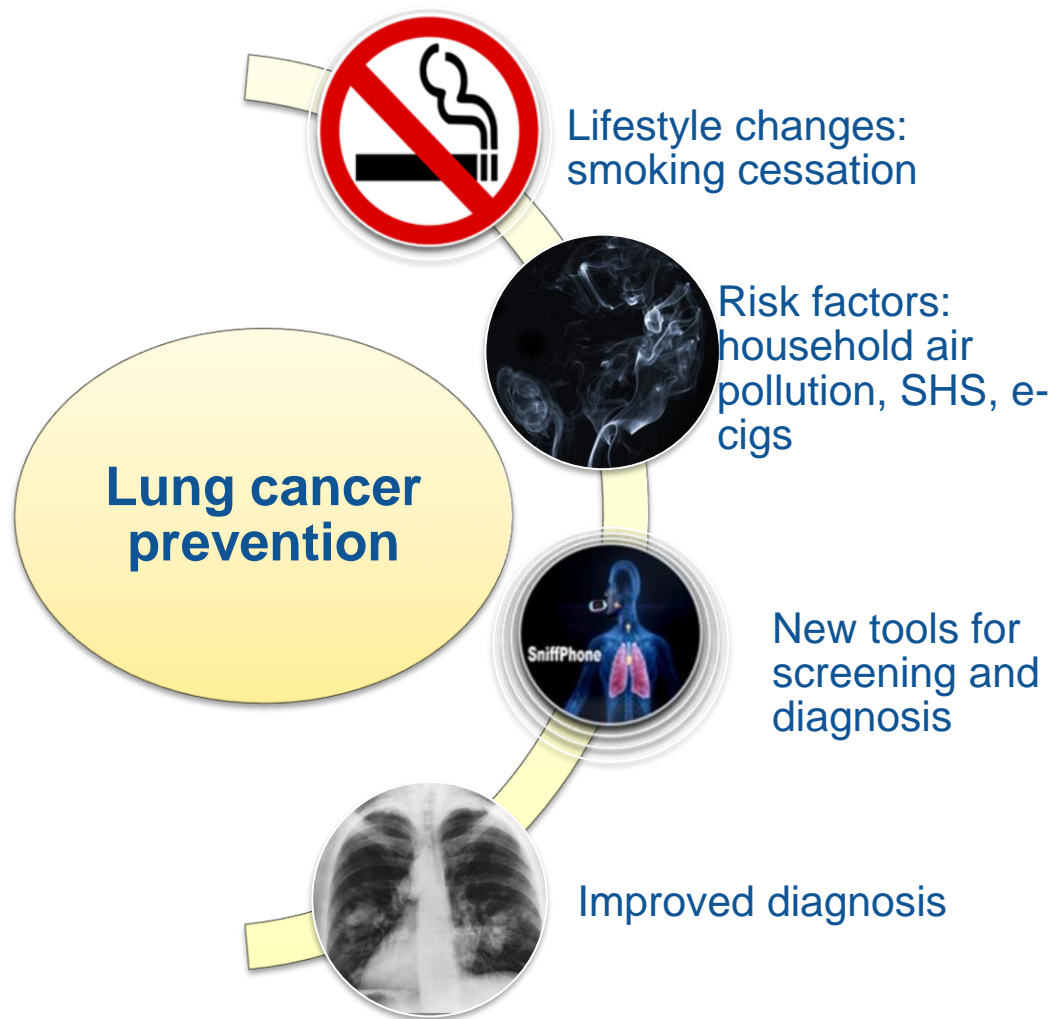
Prevention/ Early Detection/ Diagnosis
22%



Treatment
41%

Biology/ Aetiology
30%

H2020 projects on lung cancer prevention



- Smoking cessation programmes assessment



- Electronic cigarettes, second hand smoke (SHS) and household air pollution impact on respiratory health



- Na-Nose breath testing device for early lung cancer diagnosis



- Genetic and epigenetic biomarkers

- Liquid biopsy devices

- Improved CT technologies for lung cancer screening



Five Missions under Horizon Europe

R&I Missions

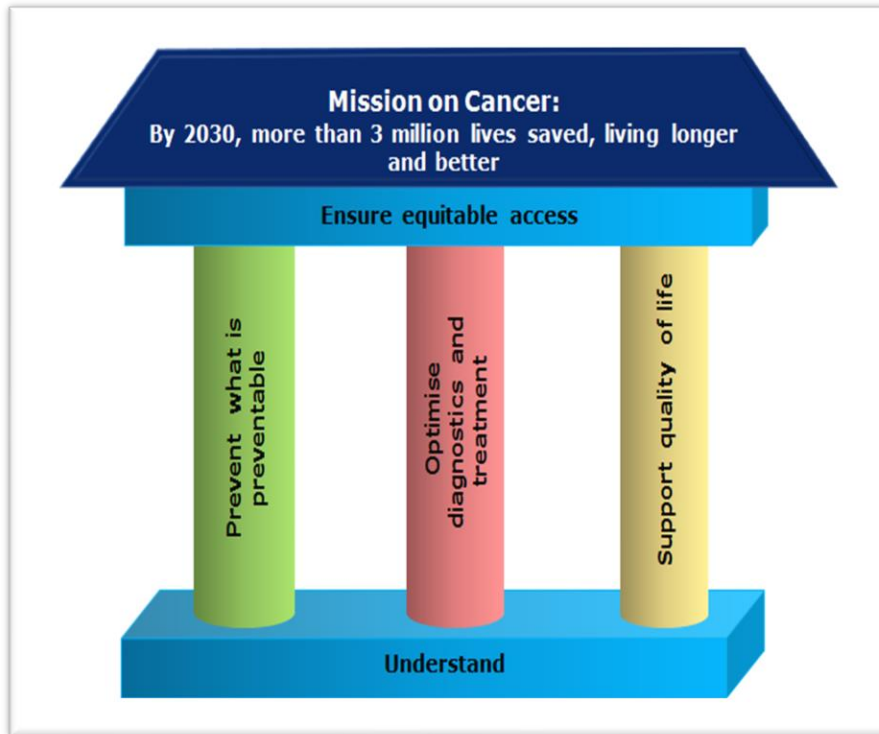
Relating EU's research and innovation better to society and citizens' needs; with strong visibility and impact

A mission is a portfolio of actions intended to achieve **a bold and inspirational as well as measurable goal** within a set timeframe, with impact for science and technology, society and citizens that goes beyond individual actions

Horizon Europe proposal defines mission characteristics and elements of governance

Specific missions will be **co-designed with Member States, stakeholders and citizens** and programmed within the Global Challenges and Industrial Competitiveness pillar (drawing on inputs from other pillars)

Mission on Cancer: “*Conquering cancer: mission possible*”



“By 2030, more than 3 million lives saved, living longer and better”

Five intervention areas:

1. understanding
2. prevention
3. diagnosis and treatment
4. quality of life
5. equitable access

13 recommendations
for bold actions

13 Recommendations for bold actions



Understanding

Prevention

Diagnostic and
Treatment

Quality of Life

Equitable Access

Cross-Cutting
Actions

- 1 Launch **UNCAN.eu** – a European Initiative to Understand Cancer
- 2 Develop an EU-wide research programme to identify **(poly-) genic risk scores**
- 3 Support the development and implementation of **effective cancer prevention strategies and policies** within Member States and the EU
- 4 Optimise existing **screening programmes** and develop novel approaches for screening and early detection
- 5 Advance and implement **personalised medicine approaches** for all cancer patients in Europe
- 6 Develop an EU-wide research programme on **early diagnostic and minimally invasive treatment/ technologies**
- 7 Develop an EU-wide **research programme and policy support to improve the quality of life** of cancer patients and survivors, family members and carers, and all persons with an increased risk of cancer
- 8 Create a **European Cancer Patient Digital Centre** where cancer patients and survivors can deposit and share their data for personalised care
- 9 Achieve **Cancer Health Equity** in the EU across the continuum of the disease
- 10 Set up a **network of Comprehensive Cancer Infrastructures** within and across all EU Member States to increase quality of research and care
- 11 **Childhood cancers and cancers in adolescents and young adults: cure more and cure better**
- 12 Accelerate **innovation** and implementation of new technologies and **create Oncology-focused Living Labs** to conquer cancer
- 13 **Transform cancer culture, communication and capacity building**



Many thanks!

#HorizonEU #EUMissions
#MissionCancer #EUCancerPlan

<http://ec.europa.eu/horizon-europe>