

Projects under EU4H Work Programme 2021 and 2022

Health Promotion and Prevention of NCDs And Related Risk Factors

1. HPV vaccination

PROTECT-EUROPE (Vaccinating Europe to protect against the cancers caused by HPV)

It will provide information and training on optimising one-to-one communication with young people and their parents/carers for the wide range of healthcare professionals involved in HPV vaccination. It will also provide MS and civil society organisations (in public health) with guidance and a set of campaign tools that can be used to encourage vaccination. These will be designed for use across a range of platforms.

ReThinkHPVaccination (Rethink and Reduce inequalities in HPV vaccination through personalized communication & training, based on social innovation and behavioural determinants of health)

Aims to combat misinformation / fake-news regarding vaccination and to reduce inequalities in HPV vaccination between and within countries through personalised communication & training, based on social innovation and assessment and targeted interventions on the behavioural determinants of health.

JA PERCH (PartnERship to Contrast HPV), KoM December 5th

Determinants of vaccination hesitancy will be analysed in order to increase knowledge and awareness among the target population, and training activities will be set up for healthcare personnel on vaccination communication. Transferability of good practices will be promoted and facilitated among participating countries. Member States will be supported to launch large-scale HPV vaccination campaigns.

2. ECAC

ECAC5 (Revision and update of the European Code against Cancer)

It aims to update the previous version based on the most recent scientific evidence, expanding to population level prevention measures and tailoring to different target audiences

BUMPER (Boosting the Usability of the european union Mobile aPp for cancEr pRevention); **KoM:** 23/11/2022

The project aims to support and enhance the design, development and targeted promotion of the EU Mobile App for Cancer Prevention in order to prepare for the widespread dissemination of the App.

3. Infections

EUROHELICAN (Accelerating gastric cancer reduction in Europe through Helicobacter pylori eradication),
KoM: November 18th 2022

It aims to implement a population-based H. pylori test- and treat program in young adults in Slovenia to assess its program processes, feasibility and acceptability and secondly to evaluate long-term effects of the strategy in middle-aged Latvians from GISTAR study, which is a mature cohort with the follow-up nearing 10 years. Lastly, Expert Working Group Meeting will be held by IARC/WHO to develop guidelines for implementation of the strategy and recommendations for impact evaluation.

VH-COMSAVAC (Multi-country Viral Hepatitis COMmunity Screening, Vaccination, and Care)

The objective is to scale-up and adapt community-based viral hepatitis (HBV and HCV) testing and HBV vaccination models of care among marginalised populations with documented high HBV and HCV incidence and prevalence using simplified diagnostic tools and patient-centred referral processes to reduce liver cancer-associated mortality.

Detection (4)

ECIS (**CanScreen-ECIS**: Strengthening cancer screening data collection to update European Cancer Information System and improve quality and coverage of cancer screening programmes in Europe)

CanScreen-ECIS aims to **develop & pilot a new screening data management system to be integrated to European Cancer Information System (ECIS)**.

Screening (SOLACE, 101101252 TOGAS, 101101217 PRAISE-U)

SOLACE (Strengthening the screening of Lung Cancer in Europe);

Backed by the expertise and network of all relevant European societies and stakeholders, SOLACE will assess the current state of play, needs and best practice of Lung Cancer Screening (LCS) in EU member states and **produce a comprehensive guideline and implementation package covering all steps of the lung cancer screening pathway**. It SOLACE will **design, plan and roll-out three pilot projects in 10 member states with more than 12000 participants to address key issues to increase participation**.

TOGAS (TOwards GAstric cancer Screening implementation in the European Union);

The general objective of TOGAS is to **provide the missing evidence-based knowledge to be further transferred to design plan and implement appropriate gastric cancer prevention across the EU**. It will **involve three pilot studies**, each designed to address specific aspects of gastric cancer screening and early detection.

PRAISE-U (PRostate cancer Awareness and Initiative for Screening in the European Union)

PRAISE-U is a multi-national-led consortium with the vision that EU member states should be able to offer **high quality clinical standards including state-of-the-art individualised approaches** to achieve **timely Prostate cancer (PCa) detection** in men who can benefit from early treatment. By **developing a flexible algorithm to conduct a risk-based approach for screening of PCa**, PRAISE-U aims to improve the classic one-size-fits all strategy of an elevated PSA (prostate-specific antigen) and direct systematic prostate biopsies by applying an **individualised multi-step risk stratification** and thus align with EU member states

Treatment (9)

CCC

BEACON - Cancer Care Beacon - Reducing Disparities Across the European Union); **KoM November 7th**

It will deliver 3 main end products: (a) proposed roadmap to **scale current capacity and capabilities** in order to **address existing cancer disparities**, (b) a plethora of **reports**, aimed at **supporting decision making by the stakeholders**, and (c) a **sustainability plan** on how we intend to directly work with our partners to keep the project alive and active beyond the two-year duration of the funding by Horizon Europe.

JA CraNE (Network of Comprehensive Cancer Centres: Preparatory activities on creation of National Comprehensive Cancer Centres and EU Networking); **KoM 3.11.2022**,

In order to facilitate the establishment of the EU Network (linking recognised National CCCs in every MS), CraNE will **prepare the necessary preconditions**, to facilitate both the **integration of the existing CCCs** as well as to **support the Member States** who still need to **develop and certify** such centres. CraNE will also **provide an assessment on sustainability and feasibility** and link the development of an EU Network of CCCs and CCCs in individual MS to the development of **national and regional CCCNs**.

JANE (Joint Action on Networks of Expertise) **KoM 14-15.11.2022**,

JA JANE will establish **seven new Networks of Expertise in the cancer field**. It has two goals: 1) to **prepare everything necessary to launch** the new Networks of Expertise; 2) to **critically evaluate existing models of current and future EU networking** with a view to **optimizing the functioning of the new Networks of Expertise**.

- Training: **INTERACT-EUROPE** (Innovative collaboration for Inter-specialty cancer training across Europe);

It will foster a patient-centric approach to quality cancer care through the **promotion of multi-disciplinary and multi-professional team working**. Healthcare professional organisations involved in the project will **develop a curriculum for an inter-specialty training programme targeted at clinical oncology, surgery and radiology**, including their **respective nursing services**, based on relevant needs assessments.

- Radiation: **i-Violin** (Implementing verifiable oncological imaging by quality assurance and optimisation),

i-Violin aims to **disseminate the image quality assessment tool** developed in MEDIRAD for chest CT in hospitals throughout Europe and **adjust it for imaging procedures in the abdominal and pelvic regions**, for which no satisfactory tool exists.

- Repurposing: **NEWROAD** (Open Platform for European Networking and Repurposing of Oncological Assets and Drugs)

The aim of the NEWROAD project is **to develop an EU-wide capability for Systematic Drug Repurposing (SDR)**, meaning the **ability to identify with a high degree of predictive accuracy novel therapies** for any disease of interest and at a future stage any combination of diseases. To achieve this NEWROAD will develop **an open, collaborative in silico platform for the repurposing of drugs in oncology based on Augmented Intelligence (Aul) architecture** layered on top of Artificial Intelligence (AI) algorithms.

- NGS (101079984 PCM4EU, 101079988 CHIP-AML22, 101080009 CAN.HEAL)

PCM4EU (Personalised Cancer Medicine for all EU citizens)

Aims to **improve the survival and quality of life of cancer patients in the EU using PCM based on best practices**.

CHIP-AML22 - Improved diagnostics and survival for all children with Acute Myeloid Leukemia treated within the NOPHO-DB-SHIP consortium; a cross-European collaboration

It aims **to consolidate cytogenetic and flow minimal residual disease (MRD) risk-adaptation** and make this available across all participating countries. In addition, based on the lessons learned from AML12, more advanced cytogenetic profiling of disease will be implemented with the aim to improved risk-stratification. It aims that **NGS will be used to guide novel tailored and targeted treatment for a subset of patients**, as well as to further optimize MRD-analysis. It aims for a cross-consortium **implementation of these techniques and treatments** to allow equal access to optimal care for all disease children with AML.

CAN.HEAL (Building the EU Cancer and Public Health Genomics platform), **KoM 24/25.11.2022**

It will focus on **applying 'NGS' technology** and identify implementation paths to **extend the application of genetic profiling** of patients and tumour cells to allow **harmonized data interpretation and facilitated treatment decisions**, to apply the same or similar diagnostic and therapeutic approaches to patients with comparable cancer profiles across the EU. The project aims to **set the framework for integrating and aligning the Genome of Europe biobanking initiative into public health genomics for cancer**.

Patients (4)

- SmartCard: **smartCARE** - smart Card Application improving cancer survivors quality of life

The Smart Card will facilitate **patient empowerment**, allowing survivors to have an **easy access to their treatment summary**, being able to share it with relatives and professionals but also having access to a broad range of **resources and functionalities enhancing quality of life**. The application will comprise three main elements: treatment summary, resources functions & follow-up care plan and self-management tools.

- Telemed (101075326 eCAN)

eCAN - Joint Action on strengthening eHealth including telemedicine and remote monitoring for health care systems for cancer prevention and care

eCAN aims to bring the benefits of eHealth to all citizens and patients across EU-Member States (MS) focusing on **cancer prevention and care**. There is a need to harmonize telemedicine regulations and to explore the efficacy of teleconsultation programs and telemonitoring in the cancer field. The eCAN JA explores their role in **two clinical trials focused on tele-rehabilitation and tele-psychological support in different populations of cancer patients in 10 European countries**.

The JAs outputs will: i) facilitate the development of modular/interoperable solutions that build on regional/national infrastructures, ii) inform telemedicine services with a strong focus on users (patient and health care providers). Lessons learned from the deployment of the intervention will inform mutual learning and knowledge exchange for better health system resilience and preparedness.

- Youth survivors (101056984 OACCUs, 101056918 EU-CAYAS-NET)

OACCUs - OAC Connects Us

The contents of OACCUs are a **future-oriented healthy lifestyle**. OACCUs pursues the idea of **training young cancer survivors, their families and friends as ambassadors and coaches** in each participating country and developing and **sustaining a network of youth cancer survivors**.

EU-CAYAS-NET - EU Network of Youth Cancer Survivors

It will **improve the quality of life of childhood, adolescent and young adult cancer survivors** through **improved social networking** and the use of a **platform** to improve the links amongst individuals, patients, cancer survivors, and social and health professionals active in cancer prevention and care across the Union. Young survivors will lead a **collaborative approach** involving diverse **stakeholders** to identify targeted **actions and initiatives to be promoted** via the network and Platform.