



Introduction to CCI4EU

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Outline

- Cancer in Europe: A complex scenario
 - Variability in epidemiology, health care and research investment, and outcome
- Eu Cancer Plans
 - EBCP
 - CM
 - Relevant policy projects
- CCI4EU

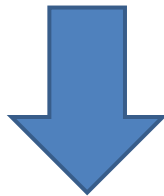
Complexity of the European Scenario

Epidemiology: 2.7 million new cases (2020), 1.3 million deaths (2020), expected increase of about 25% by 2035

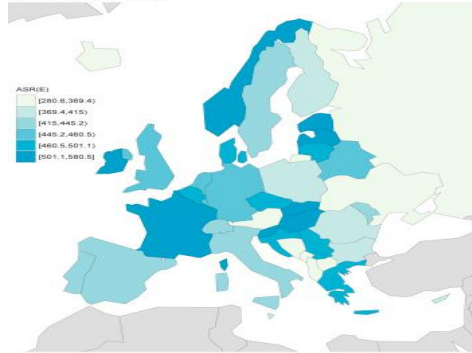
Variability in Epidemiology, Economics and Outcomes
(between and within countries)

Epidemiology

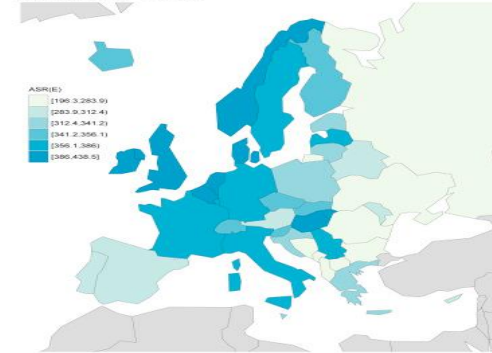
Large
variability in
mortality



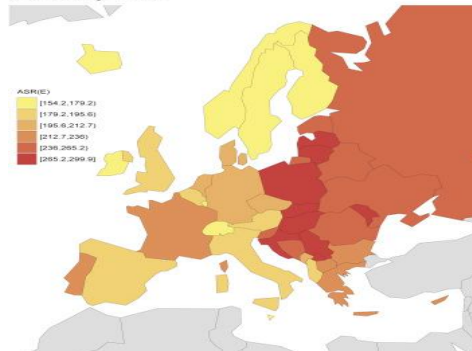
2a. Incidence – Male



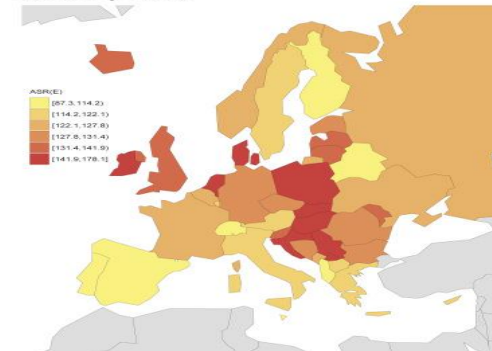
2b. Incidence – Female



2c. Mortality – Male



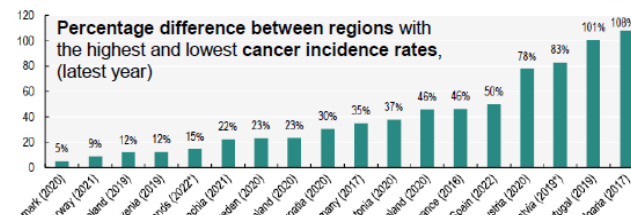
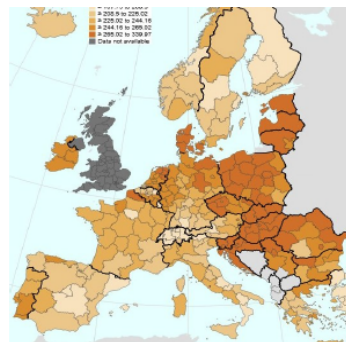
2d. Mortality – Female



CANCER BURDEN

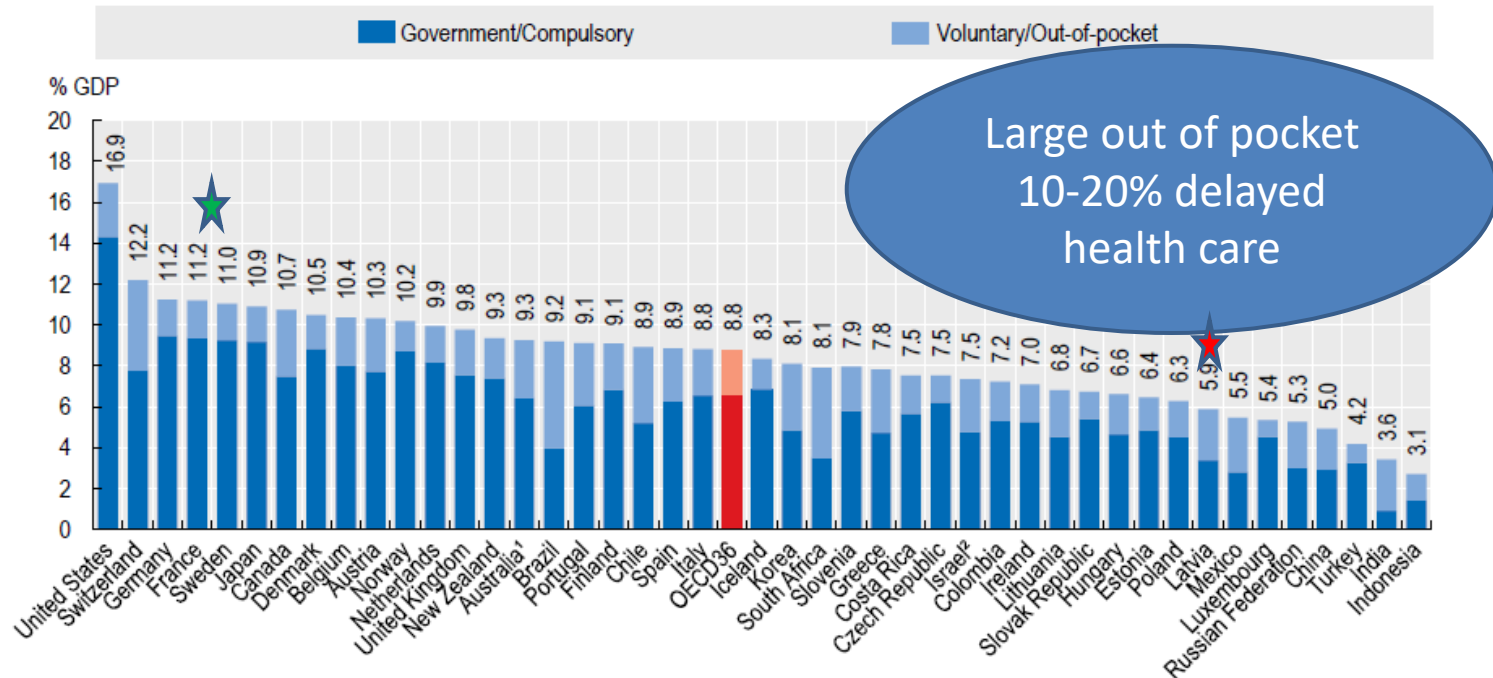
- **Cancer incidence and mortality rates vary across EU+2 countries** (2- and 1.6-fold respectively).
- The burden of cancer also **differs widely** within countries **between regions**. Cancer incidence vary by up to 108 % and mortality by up to 37%.
- **This reflects variations in the prevalence of risk factors, social and economic conditions, and access to the cancer screening programmes...**

Age-Standardised death rate
by region of residence,
All Cancers, 2021



Variability in investment in health care

Figure 7.3. Health expenditure as a share of GDP, 2018 (or nearest year)



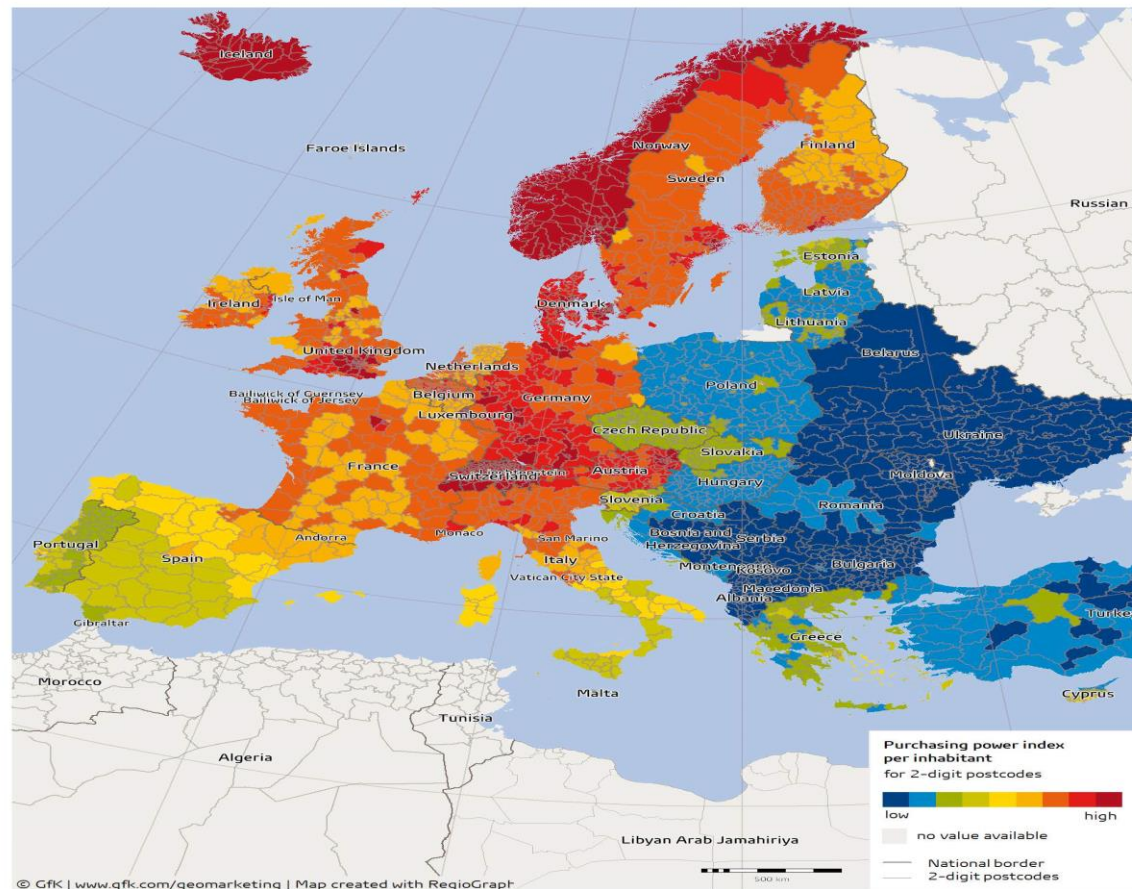
Note: Expenditure excludes investments, unless otherwise stated.

1. Australia expenditure estimates exclude all expenditure for residential aged care facilities in welfare (social) services. 2. Includes investments.

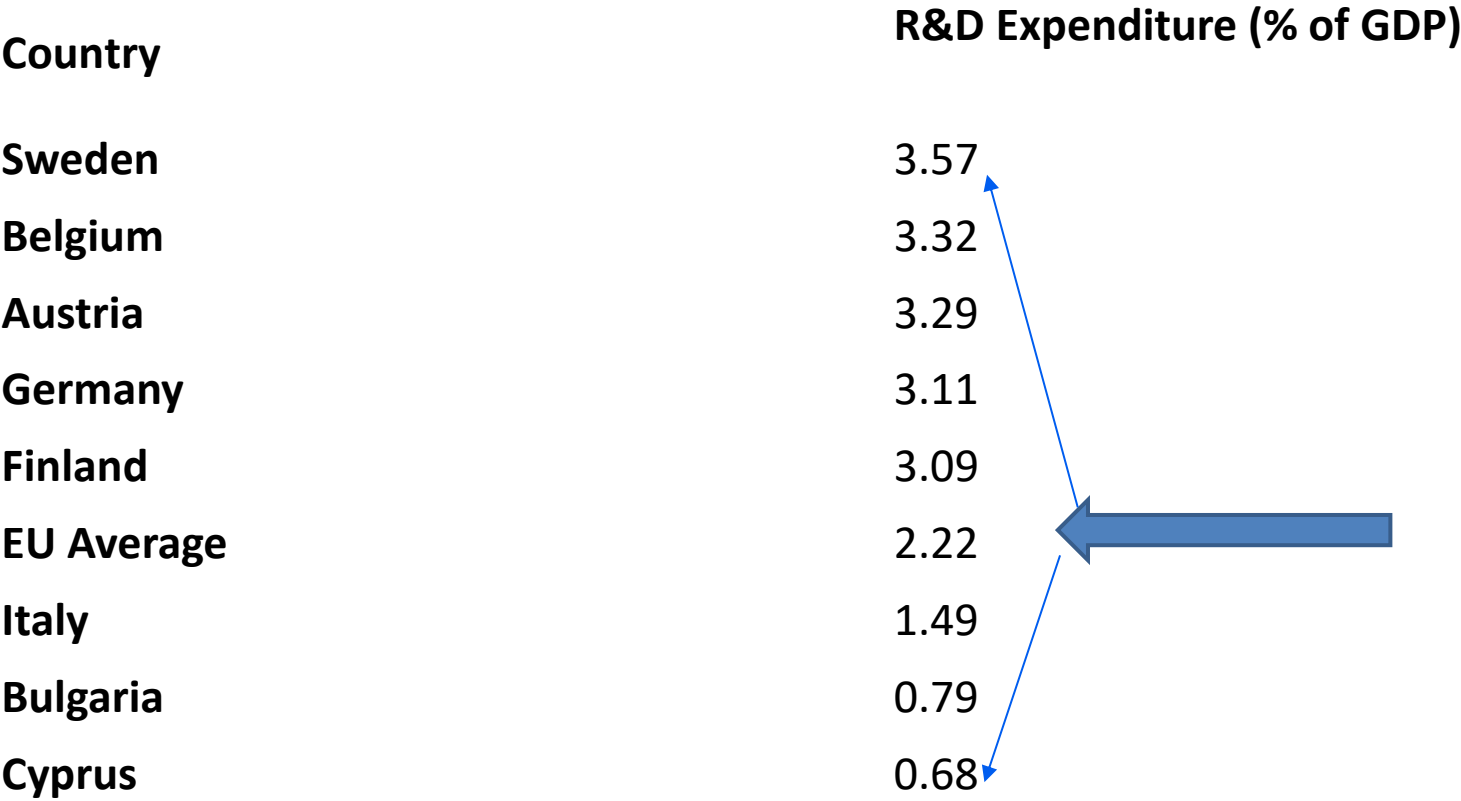
Source: OECD Health Statistics 2019, WHO Global Health Expenditure Database.

Variability in purchasing power

GfK Purchasing Power Europe 2017



Investment in Research

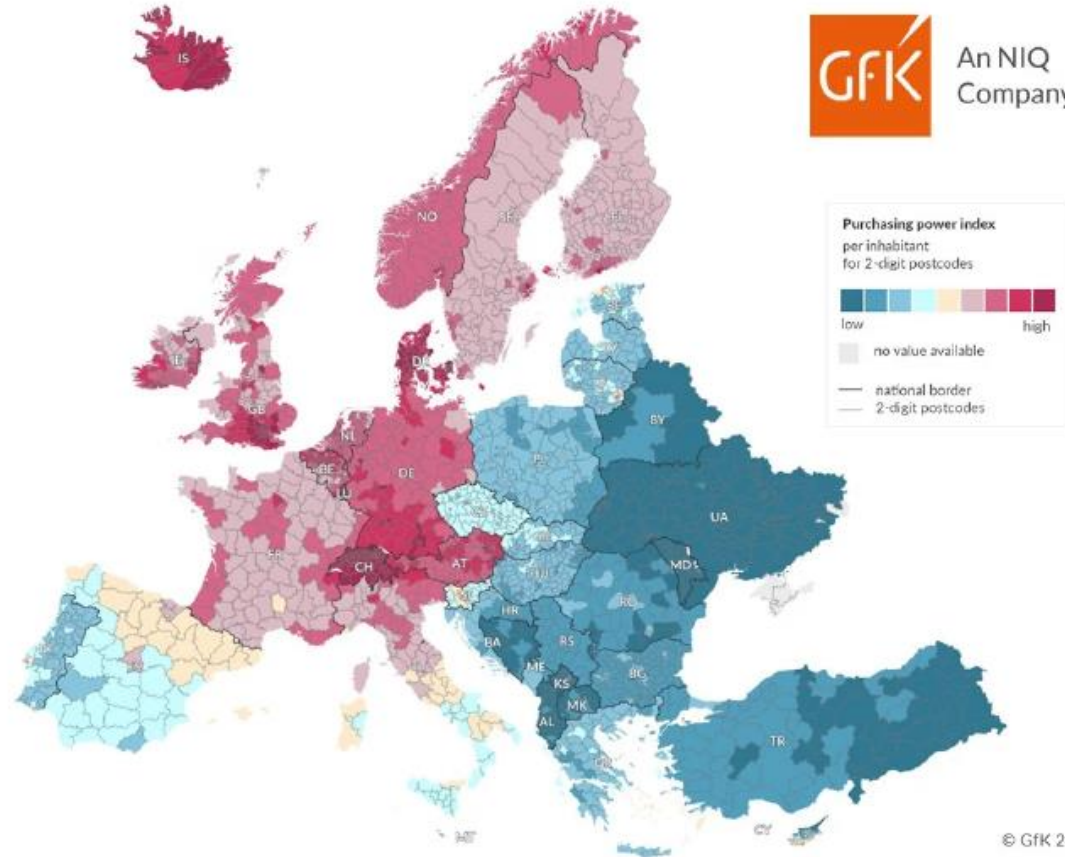


Variability in purchasing power

GfK Purchasing Power Europe 2023



2023 ranking	Country	2023 per capita purchasing power in €
1	Liechtenstein	68,843
2	Switzerland	49,592
3	Luxembourg	40,931
4	Iceland	33,424
5	Denmark	32,490
6	Ireland	26,882
7	Austria	26,671
8	Norway	26,301
9	Germany	26,271
10	United Kingdom	26,081



EU initiatives on cancer (1)

- Europe Beating Cancer Plan and Cancer Mission have the objectives to reduce mortality, increase survival and ameliorate QoL by
 - increasing knowledge
 - improve quality of care
 - and fighting unacceptable and actionable variability (inequalities)


EU initiatives on cancer (2)

These objectives may be achieved only:

- supporting research and health care activities
- a wider participation of all Member States and Affiliated Countries
- a direct involvement of all the relevant stake-holders in the co-design and project implementation, including citizens and patients
- alignment and coordination at national and European level

EU initiatives on cancer (3)

- Cancer Mission
- Europe's Beating Cancer Plan



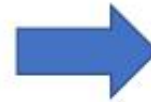
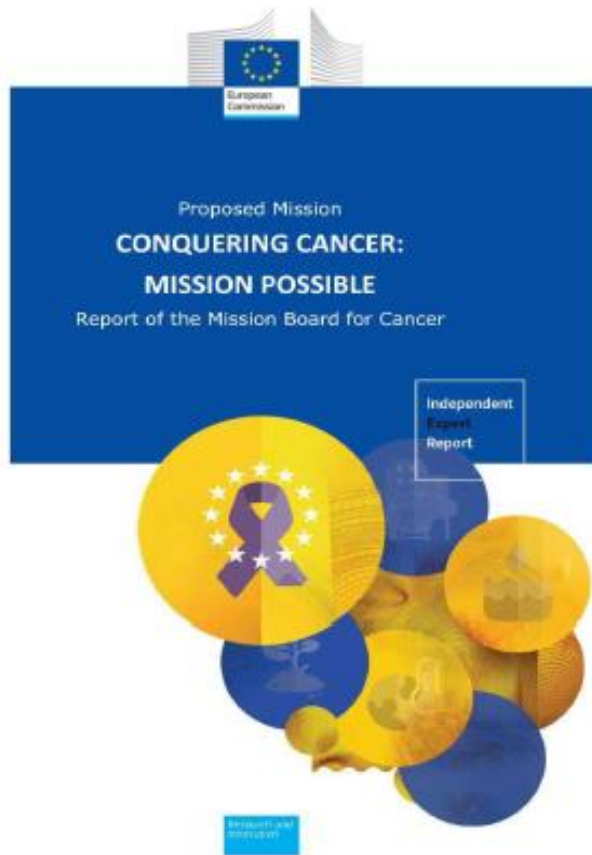
Two initiatives,
with some
overlapping

- Horizon Europe



Calls to
implement EBCP
and CM

Cancer Mission



13 recommendations



13 bold actions



Calls

13 Recommendations for bold 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

5 relevant funded projects

UNCAN	European federated cancer research data hub
EUNetCCC	CCC networking and certification
ECHOS	Cancer Mission National Hub
JANE2	Network of expertise
CCI4EU	CCC and capacity building intervention

COMPREHENSIVE CANCER INFRASTRUCTURE IN EUROPE (CCI4EU)



Call: HORIZON-MISS-2022-CANCER-01 **Topic:** HORIZON-MISS-2022-CANCER-01-02 **Type of action:** CSA

Project Title: Comprehensive Cancer Infrastructure in Europe (CCI4EU)

Start/End Date: 1/05/2023 – 30/04/2026

Total Requested Budget: 9.984.080,00€

Coordination: OECI (G.Apolone)

European initiative, implemented in all Member States, based on a capacity building programme (CBP), will help reduce inequalities, in the context of other actions ongoing, such as *CRANE*, *JANE* and *UNCAN*.

The CSA will implement the following steps:

- define CCI Maturity Model including quality indicators;
- profile the CCIs in each MS and a few ACs in terms of CCI presence and levels of maturity; design tailored CBP interventions, giving priority to MSs without any CCI;
- deliver online training courses open to teams in all MSs and ACs, implement targeted onsite interventions;
- scale up and sustain development; disseminate, exploit and report results.

