



European Cancer Inequalities Registry

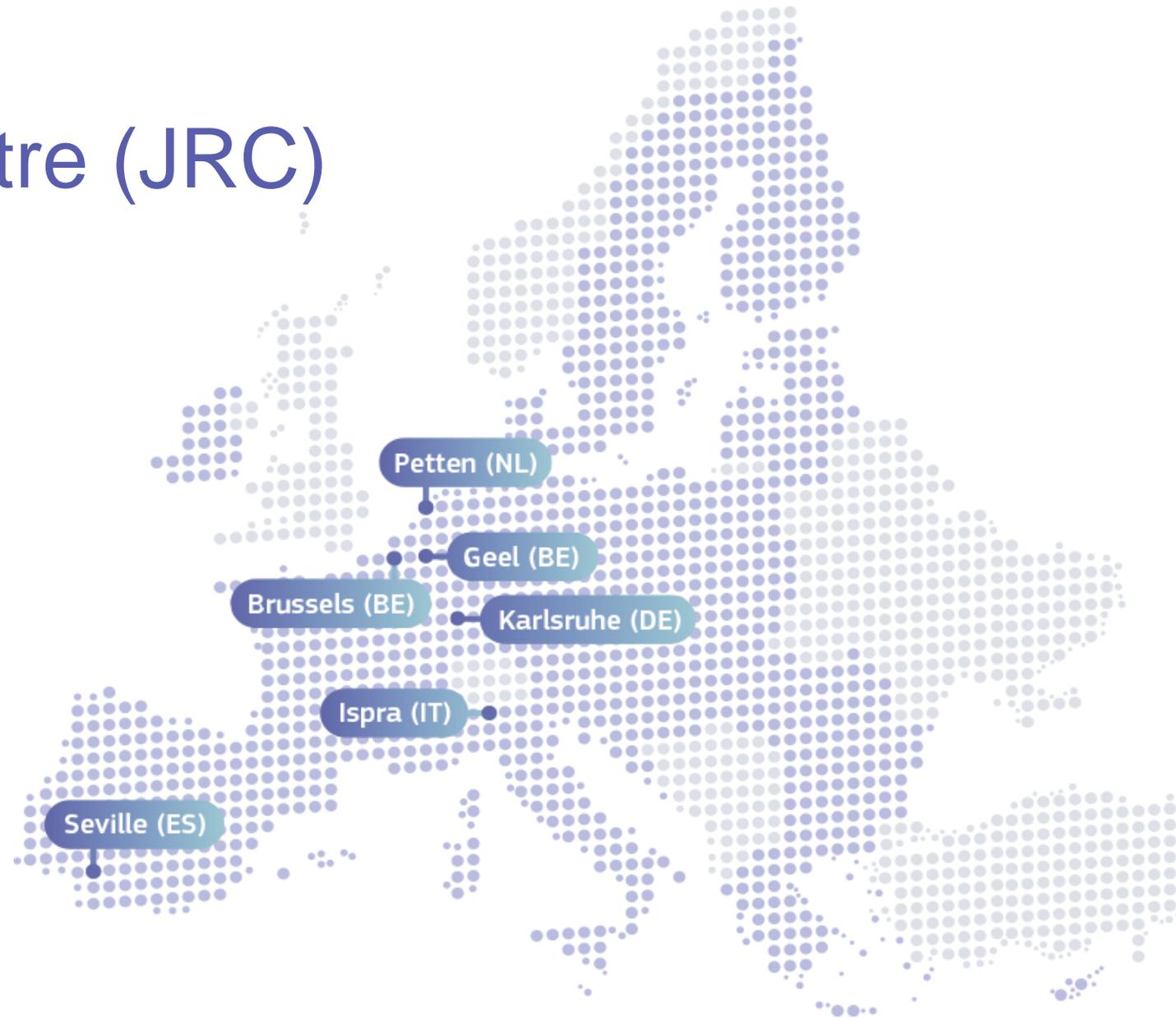
Agnieszka Kinsner-Ovaskainen

Event: "Treating cancer: the EU's commitment to tackling cancer inequalities"
Rome, 28 October 2024

Joint
Research
Centre

Joint Research Centre (JRC)

- European Commission
- Supports EU policies with scientific evidence
- Independent from any economic interest
- 2800 staff > 75% scientists



Knowledge Centre on Cancer

THE EC KNOWLEDGE CENTRE ON CANCER
An **independent evidence** broker providing **support for policy making** on cancer prevention, early detection, treatment and survivorship.

- European Cancer Information System
- European guidelines and quality assurance
- European Cancer Inequalities Registry
- Health promotion and disease prevention knowledge gateway
- Rare disease platform

- Flagship initiative of the Europe's Beating Cancer Plan
- Fosters independent scientific alignment, coordination and support to EC cancer-related policies and activities
- Launched in 2021

European Cancer Inequalities Registry (ECIR)



Launched on 2 February 2022

Flagship 9 of Europe's Beating Cancer Plan

“will identify trends, disparities and inequalities between Member States and regions. Alongside regular qualitative assessments of the country-specific situation, the Registry will identify challenges and specific areas of action to guide investment and interventions at EU, national and regional level under Europe's Beating Cancer Plan.”

The ECIR website

The screenshot shows the ECIR website homepage. At the top, there is a navigation menu with links for Home, ECIR Data tool, Country Cancer Profiles, Analytical reports, Cancer Inequalities Factsheets, Topics, and About. Below the menu is a banner for 'The Cancer Inequalities Factsheets' with a blue ribbon icon. Underneath is the 'ECIR data tool' section, which features a row of eight icons representing inequality dimensions: Country, Sex, Education, Income, Urbanisation, Age, Disability, and Employment. Below this are sections for 'Country Cancer Profiles', 'Analytical reports', and 'Cancer Inequalities Factsheets', each with a 'Data more >' button. At the bottom, there is an 'About the European Cancer Inequalities Registry' section with sub-sections for Policy context, Framework, Governance, Stakeholders, and Risings.



News: Highlight topics of interest



Data tool: explore / compare indicators by 8 inequality dimensions



Country Cancer Profiles: trends and inequalities for each country EU27, Norway and Iceland



Overarching analytical Report: compare inequalities policies and actions across countries



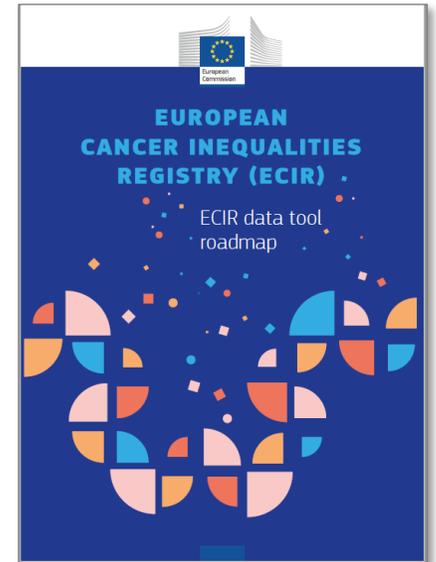
Cancer Inequalities Factsheets: data not meeting the criteria to be included in the data tool topic of interest and/or highlight topic of interest

<https://cancer-inequalities.jrc.ec.europa.eu>

The ECIR Data Tool: Roadmap and Annex

The ECIR Data Tool Roadmap

- Background
- Data Sources
- Data Quality criteria
- Data presentation
- Annex: Indicators which will be included and date of inclusion

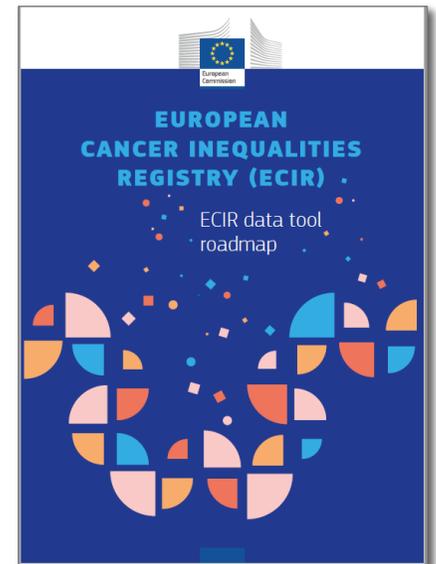


The ECIR Data Tool: Quality criteria

The ECIR Data Tool Quality criteria:

The data considered should be:

- available for at least 65%⁷ of the 29 European countries (n=19),
- authorised to (re-)use,
- standardised within and between population groups,
- collected using harmonised data collection techniques,
- containing detailed, quality descriptions of the data collection process (metadata),
- relatively recent, representing the last 6 years (i.e. for the last available data point or estimate).

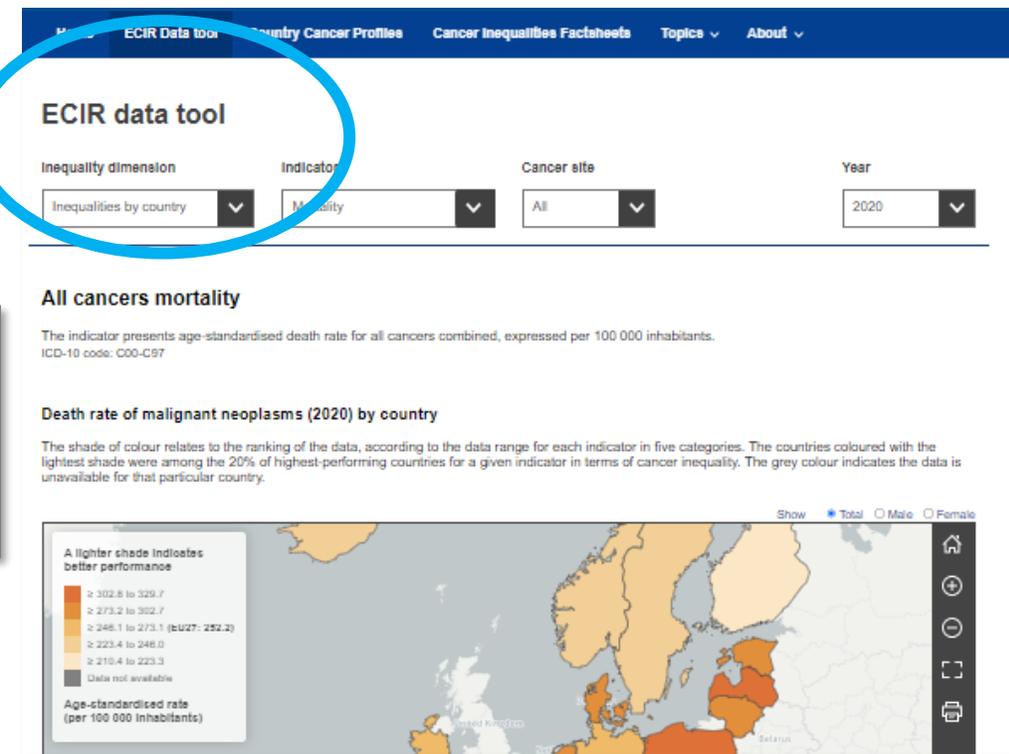


The ECIR Data Tool: Level 1- Dimensions

ECIR data tool



- Country
- Sex
- Education
- Income
- Urbanisation
- Age
- Disability
- Employment



ECIR data tool

Inequality dimension: Inequalities by country
Indicator: Mortality
Cancer site: All
Year: 2020

All cancers mortality
The indicator presents age-standardised death rate for all cancers combined, expressed per 100 000 inhabitants.
ICD-10 code: C00-C97

Death rate of malignant neoplasms (2020) by country
The shade of colour relates to the ranking of the data, according to the data range for each indicator in five categories. The countries coloured with the lightest shade were among the 20% of highest-performing countries for a given indicator in terms of cancer inequality. The grey colour indicates the data is unavailable for that particular country.

Age-standardised rate (per 100 000 inhabitants)

≥ 302.8 to 329.7
≥ 273.2 to 302.7
≥ 248.1 to 273.1 (EU27: 252.2)
≥ 223.4 to 248.0
≥ 210.4 to 223.3
Data not available

The ECIR Data Tool: Level 2- Indicators

Groups of indicators:

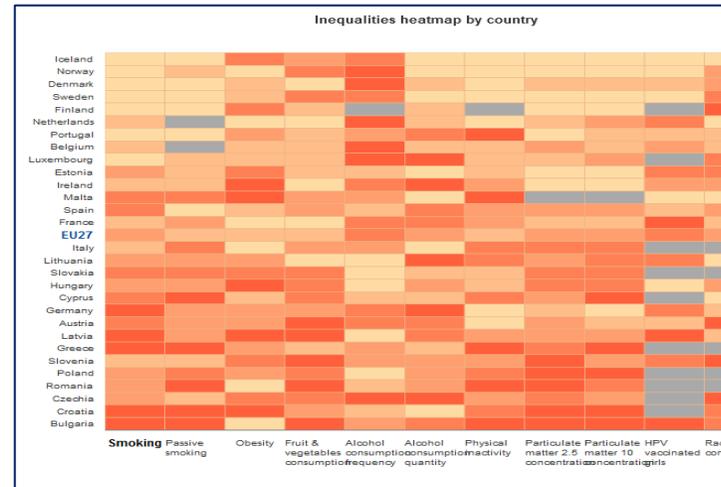
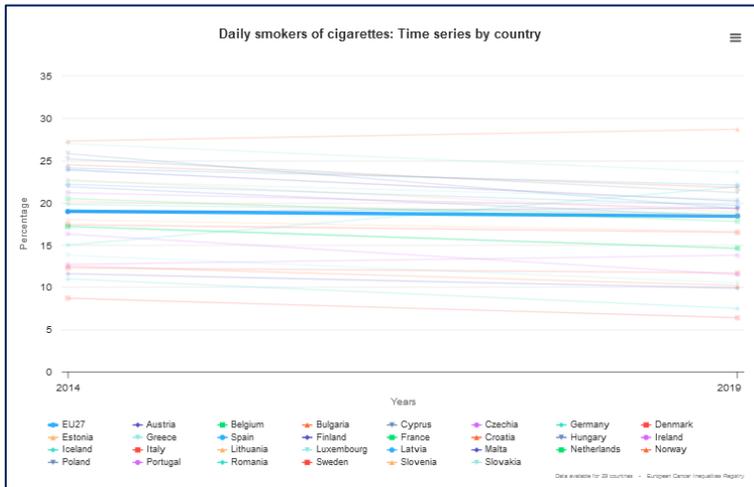
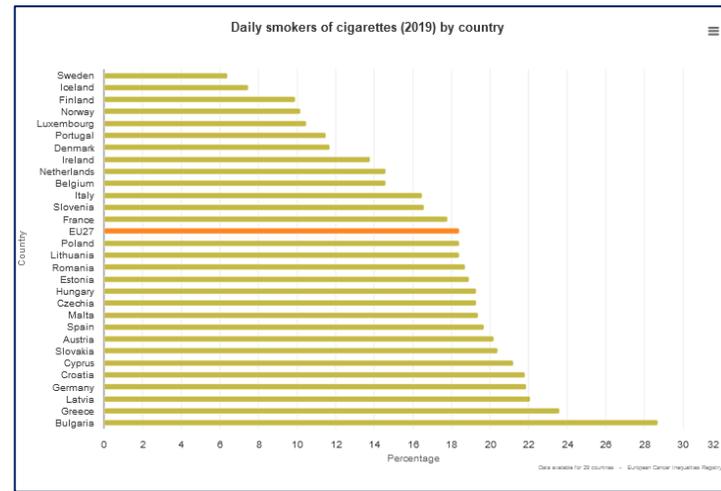
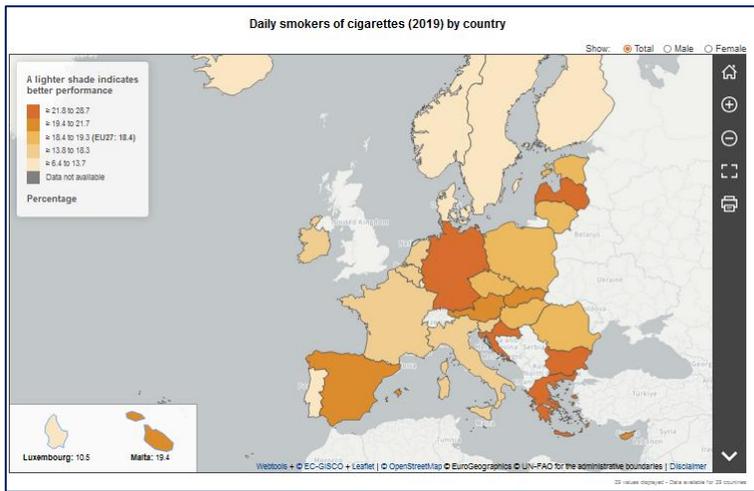
- Cancer burden
- Prevention
- Early detection
- Diagnosis and treatment
- Quality of life
- Environmental indicators
- Childhood cancer



The ECIR Data Tool: Level 2- Indicators

Thematic dimensions						Essential medicines for childhood cancers	Oncology clinical trials for children
Can	Can	Canc	Canc	Canc	Can	Cancer burden	
Pre	Pre	Preve	Previ	Previ	Previ	Prevention	
Earl	Earl	Early	Early	Early	Earl	Early detection	
Diag	Diag	Diagn	Diagi	Diagi	Diag	Diagnosis and treatment	
Qua	Qua	Qualit	Qual	Qual	Qua	Quality of life	
Topics							
Env	Env	Envirc	Envir	Envir	Envi	Environmental indicators	
Chil	Chil	Childh	Child	Child	Chik	Childhood cancer	
All	All	All inc	All ir	All ir	All i	All indicators	

The ECIR Data Tool: data presentation



- ➔
- Print
 - Download:
 - picture
 - pdf
 - csv, xls

Example: smoking by income

ECIR data tool

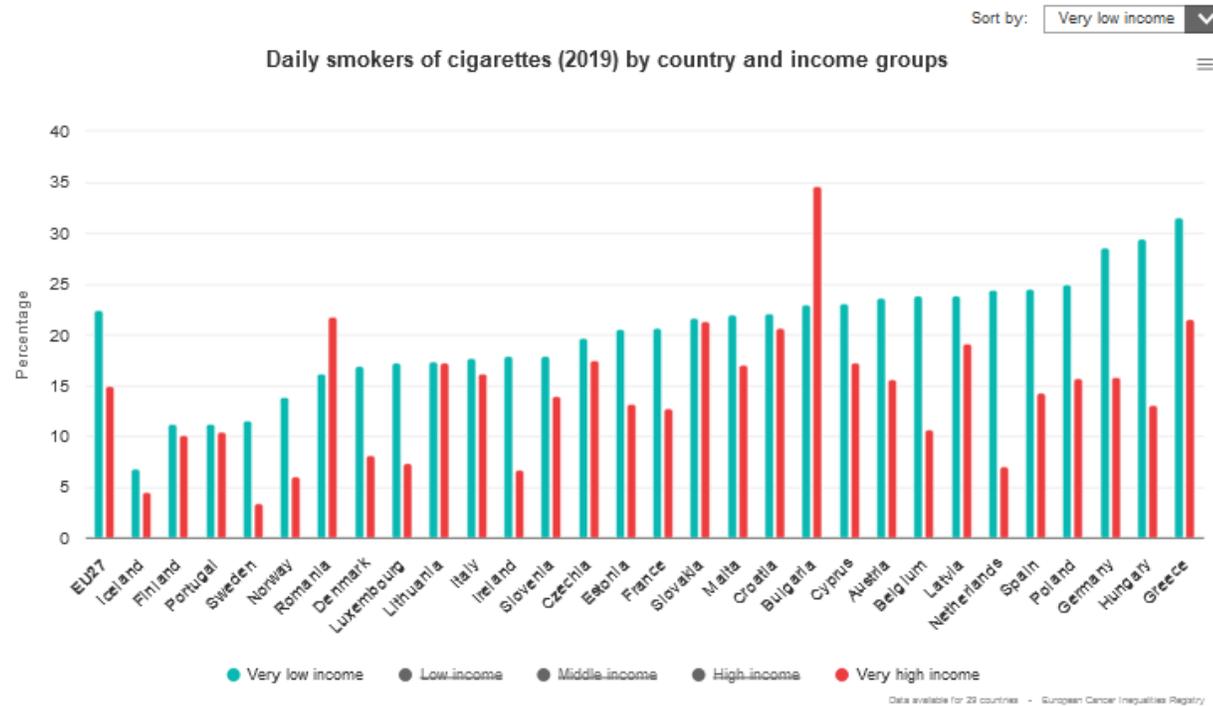


Country Sex Education Income Urbanisation Age

Explore inequalities in cancer prevention and care across Europe. Start by selecting the inequality dimension. Then check out maps and graphs that clearly present indicators related to cancer, revealing existing inequalities.

5 categories: very low / low / middle / high / very high income
(= quintile groups of equivalised income)

Example: smoking by income

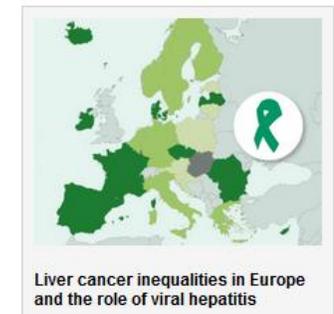
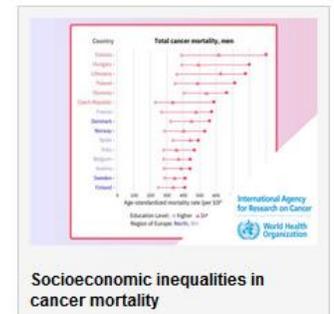
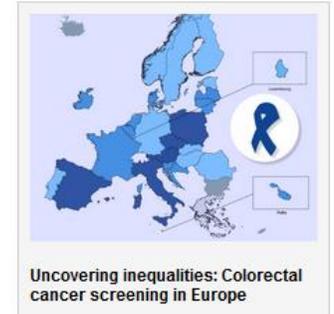


- The indicator: **proportion of people who smoke** (manufactured and hand-rolled) cigarettes daily
- Smoking: **biggest preventable risk factor for cancer**, causing at least 15 different cancer types.
- **Number of cigarettes a day** and the **lifetime duration** of smoking increase cancer risk

Cancer Inequalities Factsheets

The factsheets provide a unique view on specific cancer-related inequalities in the European Union:

- Socioeconomic inequalities in cancer mortality
- Liver cancer inequalities in Europe and the role of viral hepatitis
- Colorectal and breast cancer screening in Europe
- Childhood cancers
- Effect of environmental factors on cancer in Europe



Future ECIR developments

- Continue expanding the data tool with **new indicators**
- Publication of the **Country Cancer profiles February 2025**, with companion report and performance indicators
- **Data collection studies:**
 - access to cancer care for vulnerable groups and people with disabilities
 - quality of life study

New ECIR Data Tool Roadmap

New Roadmap and Annex 2024-2025 will publish 52 new indicators including:

- Cancer prevalence
- Mortality by NUTS2
- Reimbursement / coverage of cancer medicines
- Implementation of tobacco policies and additional breakdowns for risk factor indicators
- Coverage of cancer registries

ANNEX OF THE ECIR ROADMAP. Indicators
Version 03 (18/06/2024)

THEMATIC DIMENSION	INDICATOR	2024		2025			
		Q3	Q4	Q1	Q2	Q3	Q4
1. Cancer burden	Estimated prevalence rate of malignant neoplasms Source: ECIS. Dimensions: GEO > country, AGE, SEX. Years: 2011-2020	→					
	Estimated prevalence rate of malignant neoplasm of breast Source: ECIS. Dimensions: GEO > country, AGE, SEX. Years: 2011-2020	→					
	Estimated prevalence rate of malignant neoplasm of cervix uteri Source: ECIS. Dimensions: GEO > country, AGE, SEX. Years: 2011-2020	→					
	Estimated prevalence rate of malignant neoplasm of colon, recto sigmoid junction, rectum, anus and anal canal Source: ECIS. Dimensions: GEO > country, AGE, SEX. Years: 2011-2020	→					
	Estimated prevalence rate of malignant neoplasm of liver Source: ECIS. Dimensions: GEO > country, AGE, SEX. Years: 2011-2020	→					
	Estimated prevalence rate of malignant neoplasm of lung Source: ECIS. Dimensions: GEO > country, AGE, SEX. Years: 2011-2020	→					
	Estimated prevalence rate of malignant neoplasm of prostate Source: ECIS. Dimensions: GEO > country, AGE, SEX. Years: 2011-2020	→					
	Estimated prevalence rate of malignant neoplasms of stomach Source: ECIS. Dimensions: GEO > country, AGE, SEX. Years: 2011-2020	→					
	Death rate of malignant neoplasms Source: Eurostat. Dimensions: GEO > NUTS2. Years: 2011-2021	→					
	Death rate of malignant neoplasm of breast Source: Eurostat. Dimensions: GEO > NUTS2. Years: 2011-2021	→					
	Death rate of malignant neoplasm of cervix uteri Source: Eurostat. Dimensions: GEO > NUTS2. Years: 2011-2021	→					
	Death rate of malignant neoplasm of colon, rectosigmoid junction, rectum, anus and anal canal Source: Eurostat. Dimensions: GEO > NUTS2. Years: 2011-2021	→					
	Death rate of malignant neoplasm of liver Source: Eurostat. Dimensions: GEO > NUTS2. Years: 2011-2021	→					
	Death rate of malignant neoplasm of lung Source: Eurostat. Dimensions: GEO > NUTS2. Years: 2011-2021	→					
	Death rate of malignant neoplasm of prostate Source: Eurostat. Dimensions: GEO > NUTS2. Years: 2011-2021	→					

EC Initiatives on Cancer



- Council Recommendation for national population-based screening programmes for **breast, colorectal** and **cervical** cancer, updated in Dec. 2022 to include **gastric, lung, prostate** cancer
- European Parliament and Council asked the Commission to **develop new guidelines based on scientific evidence** and **quality assurance schemes** for screening and care
- To address major discrepancies in the quality of care and access to care across EU

EC Initiatives on Cancer

Cancer Screening, Diagnosis and Care

Home ▾ News



Breast cancer guidelines and quality assurance

About >
Rationale, objectives and legal base



Colorectal cancer guidelines and quality assurance

Main features >
Main features of the initiatives



Cervical cancer guidelines and quality assurance

Publications >
Publications



Visit the website

Thank you



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