

Inequalities in access to cancer care and socioeconomic impact. What can we do about it?

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- Inequalities in treatment accessibility, between and within countries
- Inequalities in SocioEconomic Impact between and within countries
- Policy recommendations
- Research recommendations

OECI can assist in setting the agenda.



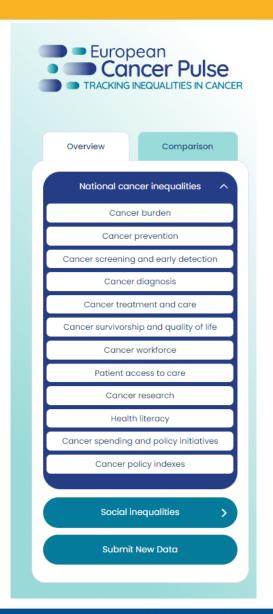


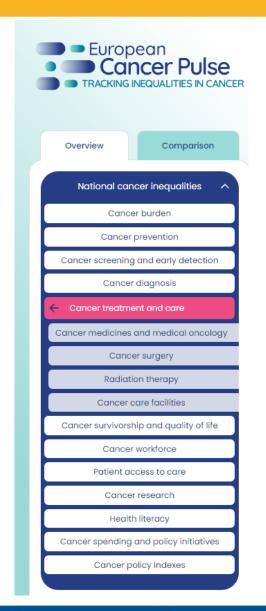
Cancer Pulse - Countries overview - European Cancer Organisation

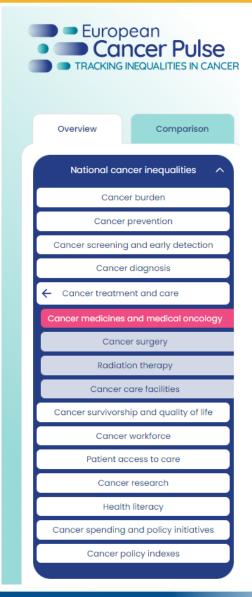






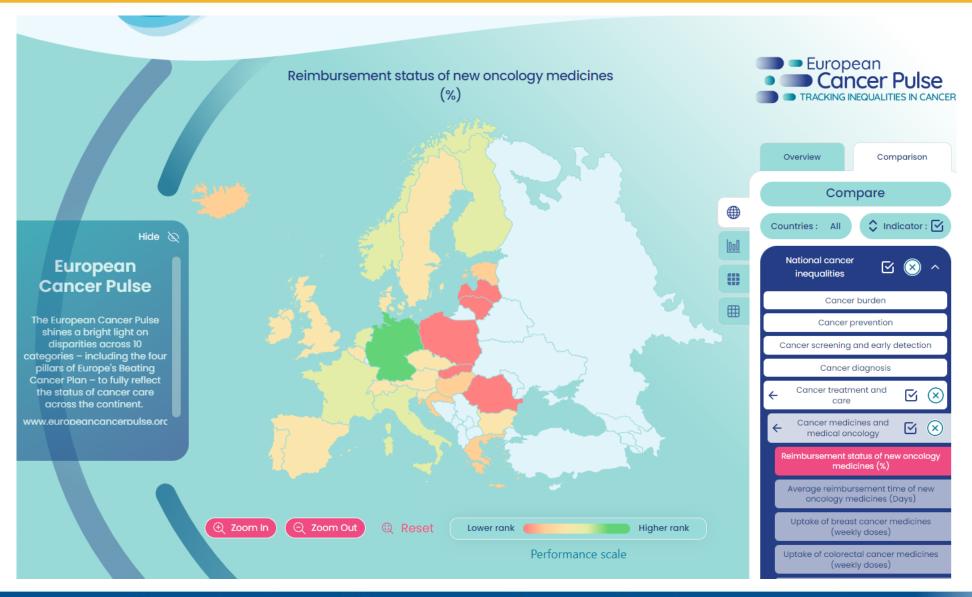








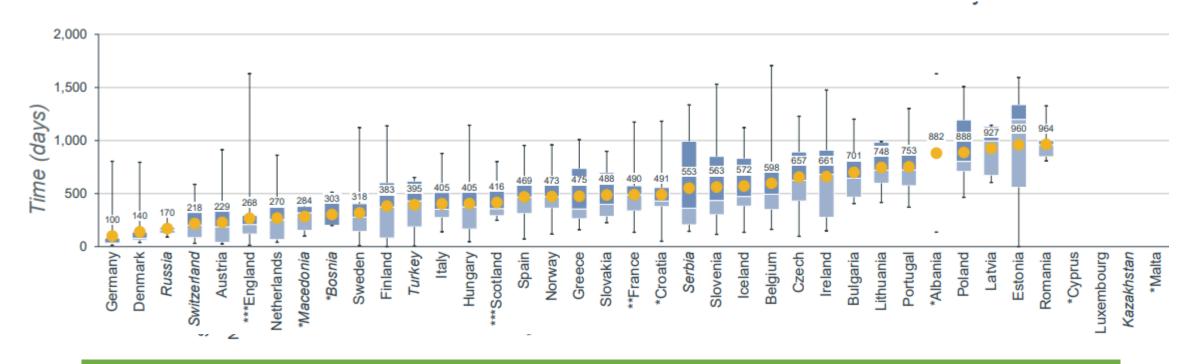








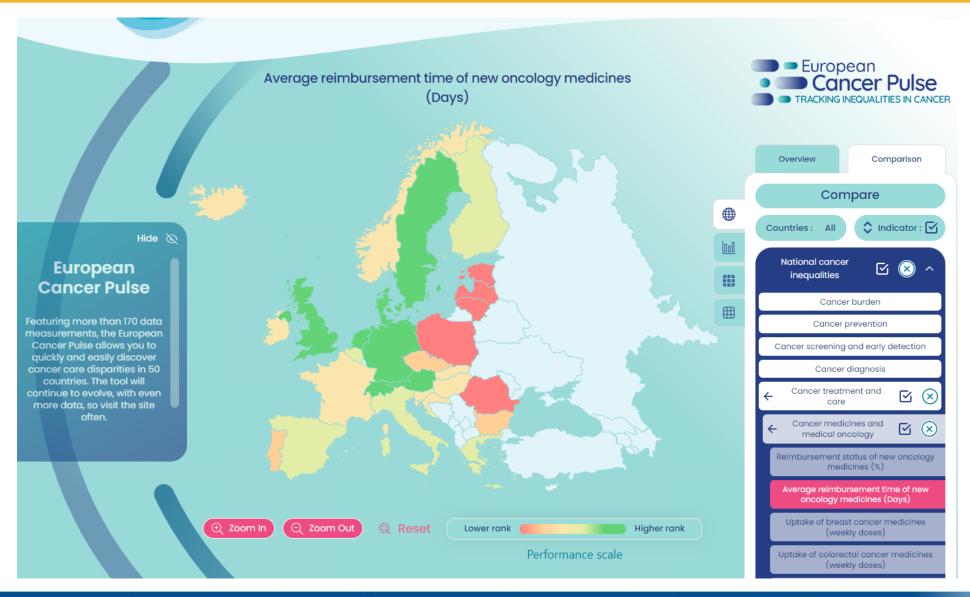
Time to access -from EMA authorization to coverage decision- varies considerably across EU countries



Days between EMA marketing authorization and the date that medicines gain access to the reimbursement list in European countries.



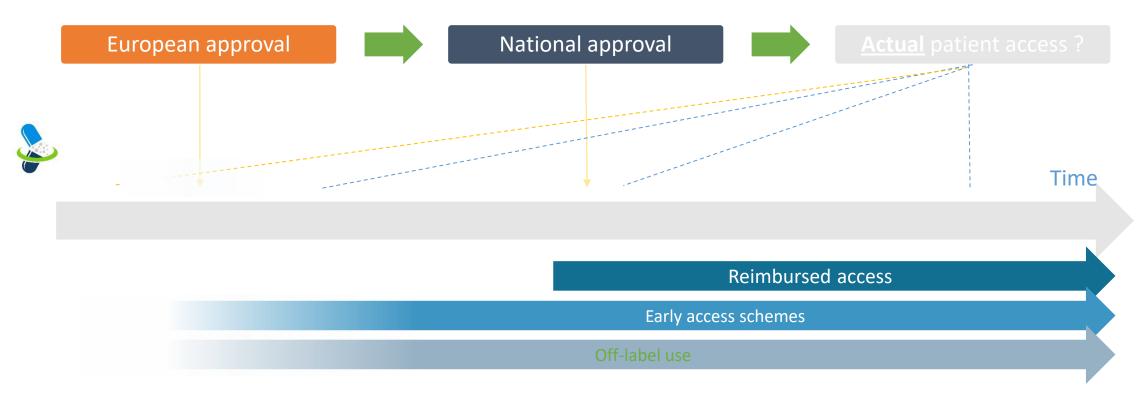








Time to <u>actual</u> patient access is again different







Actual patient access to innovative cancer medicines in 6 European countries

Objective

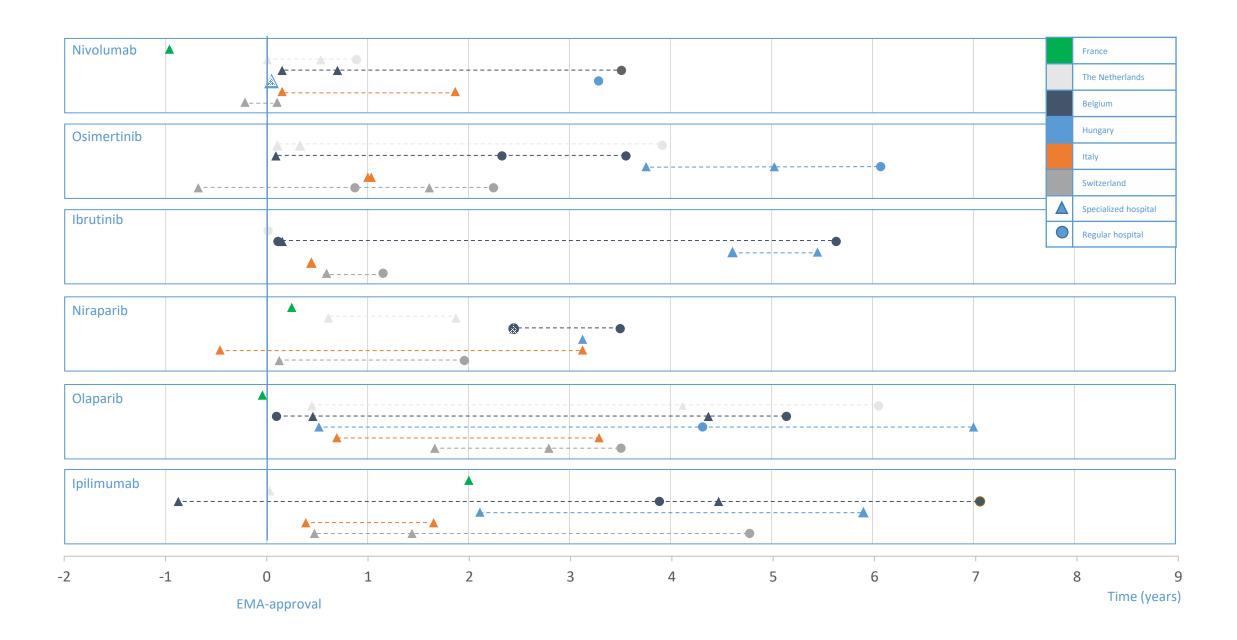
To assess differences in the time to actual access to innovative cancer medicines and their indications from a patient perspective on hospital level per country.

Methods

- Survey & semi structured interviews with 19 hospital pharmacists from 6 countries
- 6 selected medicines: Olaparib, Niraparib, Ipilimumab, Osimeritinib, Nivolumab, and Ibritunib
- Collected data points:

EMA authorization date, coverage decision date, time to first patient access (per indication), context of first access







Context of first accessibility of the medicines

Countries/ Medicines		Bel	gium		Hungary			lta	aly		5	Switzerlar	Netherlands				
Type of hospitals	SP	SP	GEN	GEN	SP	SP	GEN	SP	SP	SP	SP	GEN	GEN	GEN	SP	SP	GEN
Olaparib																	
Niraparib																	
Nivolumab																	
Ipilimumab Osimertinib																	
Ibrutinib							NA										

SP	Specialized hospital
GEN	General hospital
	First Access through early access program
	First Access through national reimbursement
	First Access through off-label use
	No access
	No context was given
NA	None of the indications of this medicine is treated in this hospital





Accessibility to selected medicines and its indications.

Country	СН	CH	СН	СН	СН	IT	IT	HU	HU	HU	BE	BE	BE	BE	NL	NL	NL	FR
Type of hospital	GEN	SP	SP	GEN	GEN	SP	SP	SP	SP	GEN	GEN	SP	GEN	SP	GEN	SP	SP	SP
Dlaparib																		
Accessibility																		
+ Breast cancer																		
+ Ovarian cancer																		
+ Adenocarcinoma of the pancreas																		
+ Prostate cancer																		
Niraparib																		
Accessibility																		
+ Ovarian cancer																		
Nivolumab																		
Accessibility																		
+ Melanoma																		
+ Melanoma (in combination with ipilimumab)																		
+ Non-small cell lung cancer																		
+ Renal carcinoma																		
+ Renal carcinoma (in combination ipilimumab)																		
+ Head and neck squamous cell carcinoma																		
Ipilimumab																		
Accessibility																		
+ Melanoma																		
+ Melanoma (in combination with Nivolumab)																		
+ Renal carcinoma (in combination Nivolumab)																		
Osimertinib																		
Accessibility																		
+ Non-small cell lung cancer																		
Ibrutinib																		
Accessibility																		Щ
+ Mantle cell lymphoma																		$ldsymbol{ldsymbol{ldsymbol{eta}}}$
+ Chronic lymphocytic leukaemia (CLL)																		
+ Chronic lymphocytic leukaemia (CLL) (combo bendamustine and rituximab)																		
+ Chronic lymphocytic leukaemia (CLL) (combo obinutuzumab or rituximab)																		
+ Waldenström's macroglobulinaemia (combo rituximab)																		



I	GEN	General hospital	Medicines is accessible
	SP	Specialized hospital	Medicine is not accessible
		None of the indications of this medicine is treated in this hospital	No context



Large heterogeneity in patient access between and within countries

- EMA -> patient access: avg. time of 2.1 years (range: -0.9 7.1 years)
- National reimbursement -> patient access: -0.5 years (range: -6.8 6.2 years)
- Existence of early access programs and off-label use within a country facilitates patient access.
- Specialized hospitals were more likely to provide patient access prior to a national reimbursement decision than general hospitals.



Recommendations to improve equity in access across Europe

> Shorten the timeline from EMA approval to reimbursed access

- Mandatory submission deadline in all EU countries for the industry.
- Specific pricing reimbursement policies to meet the EU directive of 180 days until decision

> Bridge the gap to reimbursed access to crucial medicines for patients in high medical need

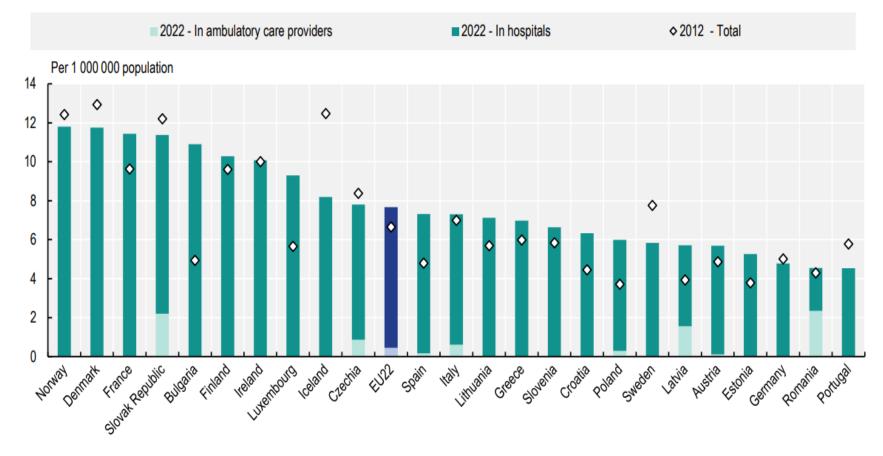
- Harmonize EAPs across Europe if recommended by professional societies
- Development of a national platforms for physicians to facilitate referrals to EAPs
- Cancer centers more aware of innovations?

> Stimulate collaboration between different stakeholders

- Information sharing regarding coverage and pricing decisions between National Health Authorities (NHA).
- > Invest in Advocacy with patients, professionals and institutions and develop lobby instruments.
 - Foster early dialogues between the NHA, industry, patients and professionals (early HTA)



But also diagnostic and therapeutic infrastructure (depending on GDP and care-expenditure)

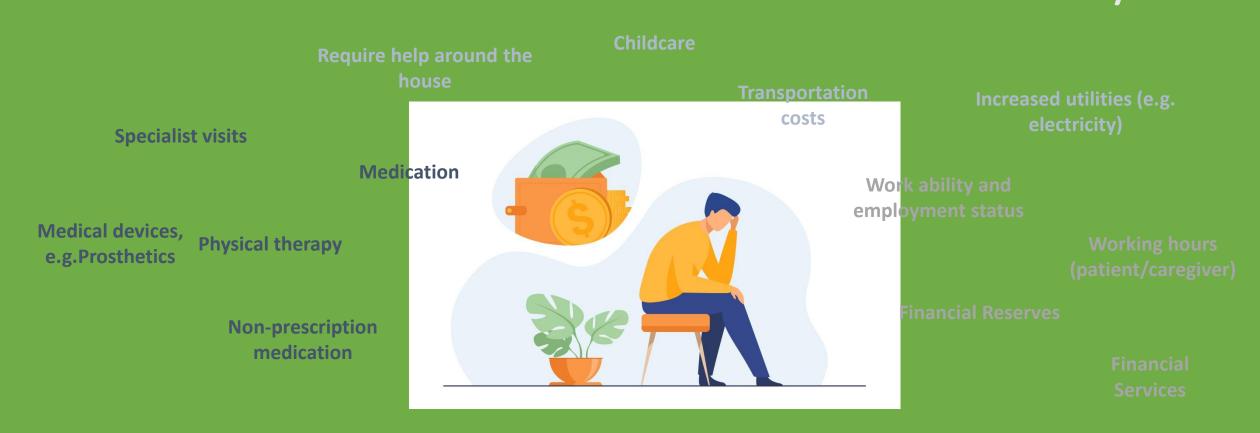


Notes: Data refer to the nearest available year. Radiation therapy equipment includes linear accelerators, Cobalt-60 units, Caesium-137 therapy units, low to orthovoltage X-ray units, high-dose and low-dose rate brachytherapy units and conventional brachytherapy units.

Source: OECD Health Statistics 2023, https://doi.org/10.1787/health-data-en.



What are socio-economic consequences of a cancer diagnosis? "Financial toxicity"



SEC-study: A Survey with 2507 patients in 14 EU countries

Objectives

- 1. To explore the socio-economic consequences for patients resulting from cancer diagnosis in Europe
- 2. To identify patient groups that may are vulnerable from financial toxicity

Survey (Sep 2021 – Sep 2022):

Financial Index of Toxicity (FIT) score: 0-100

Validated Canadian instrument



Financial

stress



Financial strain



Productivity loss

Additional questions

- Coping behavior
- Employment changes & income loss
- Added expenses
- Access to financial measures & services
- Health-related quality of life (EQ-5D)

Statistical analysis

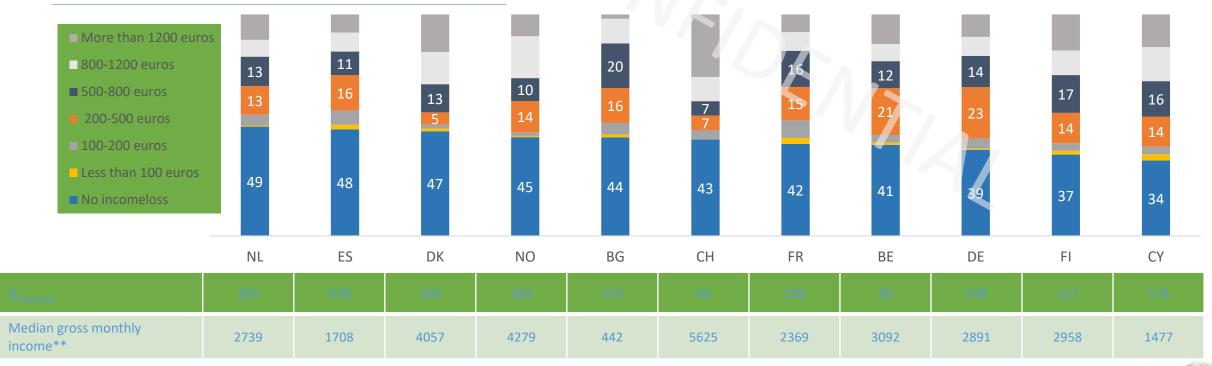
- 1. Descriptive analysis to explore the SEC-consequences per country
- 2. Regression models to identify vulnerable populations



Monthly income loss

Have you suffered a loss of income because of your diagnosis?

Income loss and its severity (%), total N=2226



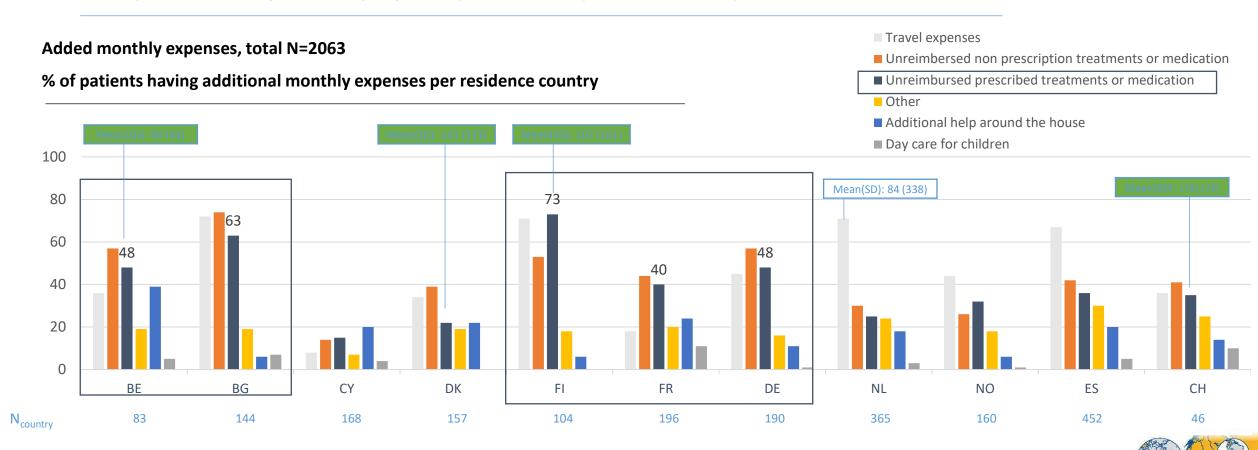






Added monthly expenses*

Due to your cancer diagnosis, did you face any additional expenses related to your treatment?



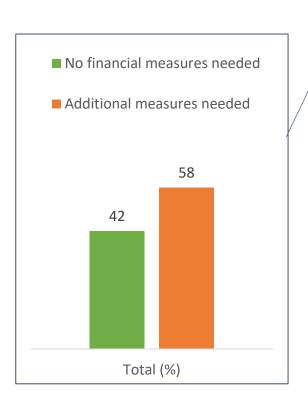
*Double counting



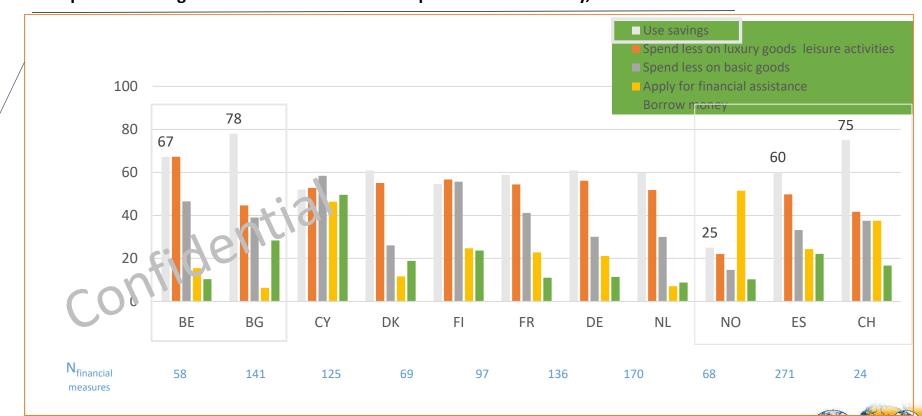
External & internal financing measures*

Since my diagnosis, I had to to pay for treatment related expenses.

Total N=2226



% of patients taking external & internal measures per residence country, N=1282



^{*}Double counting



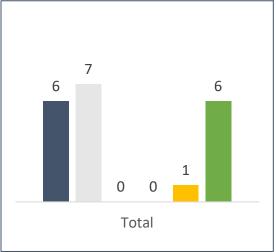
Maladaptive coping behavior*

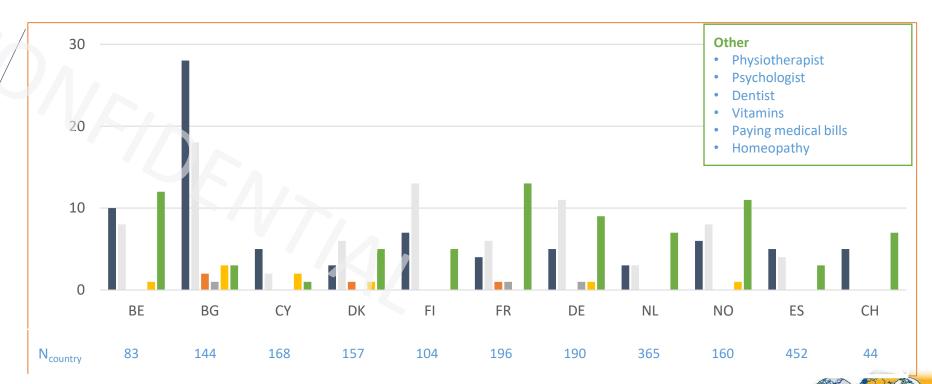
Since my diagnosis, I have delayed or avoided _____ due to its related expenses.

Total N=2115

% of patients delaying or avoiding medical services per residence country







^{*}Double counting

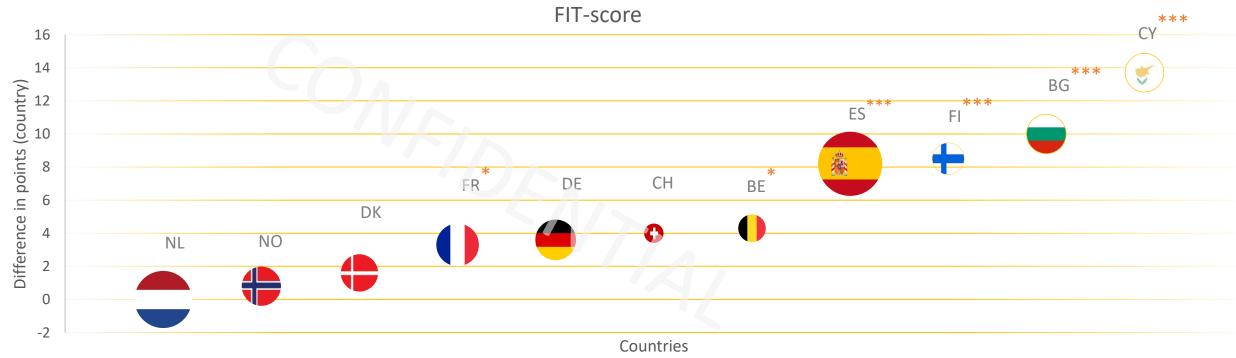
Total score as the sum of all questions (9) and all subscales (3)

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Regression:

Total Financial Index of Toxicity

Scale: 0 (best) - 100 (worst)

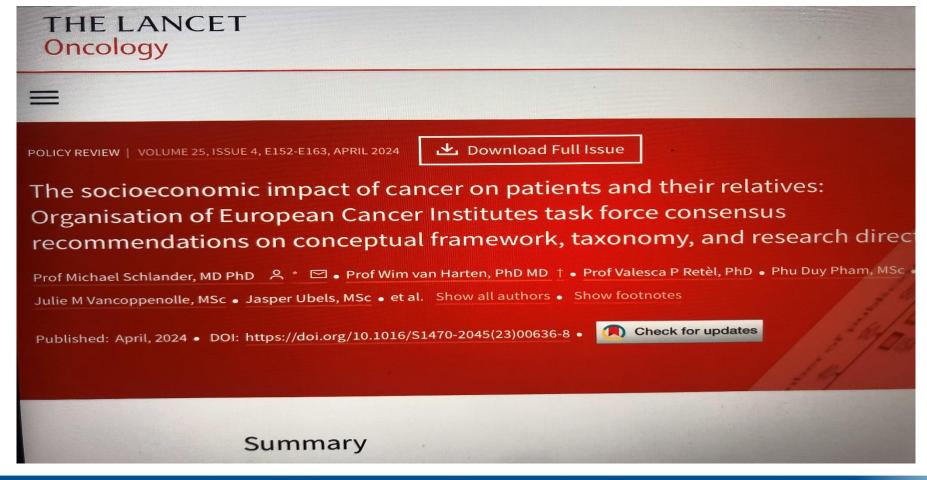


* Statistical significant difference observed with NL





OECI setting the agenda?







Reducing SEI impact and inequities

- Providers cannot change the Socio Economic Status, but can be aware of differences en different SEI and guide patients towards services.
- Develop interventions/guidance to identify subgroups at risk and to counsel them to minimize SEI
- OECI: (assist in) Lobby towards Governments and EU to raise awareness, adapt regulations (EU memorandum?) and to sponsor research.





Inequalities in access to cancer care and socioeconomic impact.

Thanks:

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