

### Indicators for structured monitoring of health system performance in Europe

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#### Aims and objectives

- Derive a minimum basic set of broadly agreed robust indicators of HSPA for Europe
- Develop criteria for <u>headline indicators</u>
- Create blueprint to feature a set of headline indicators and relevant meta-information
- Provide recommendation for updating and expanding the Health Data Navigator. www.healthdatanavigator.eu.







#### Key Messages and Overview

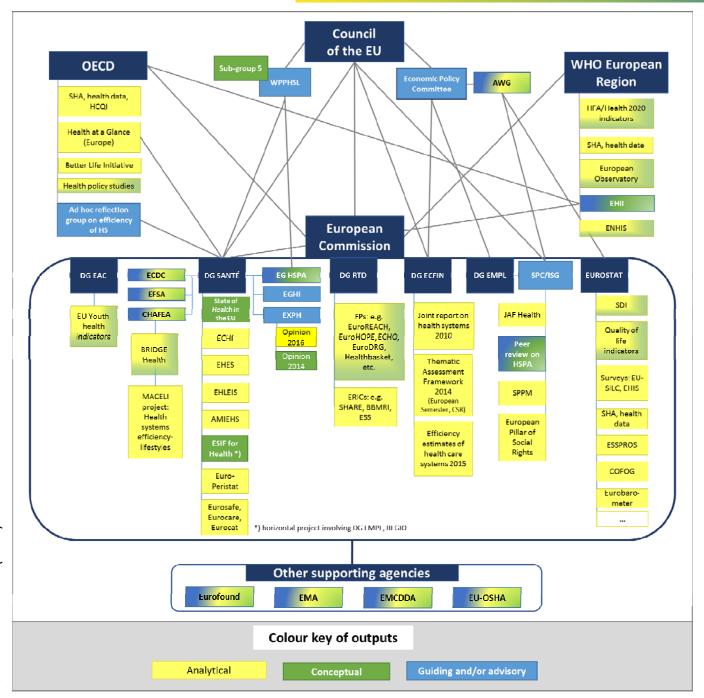
- Comparative assessment of health system performance has gained momentum in recent years.
- Insurance coverage is one of the most important indicators
- It ranks first in the areas access, health determinants and equity.
- Indicators combining outcomes / output with inputs are rarely used and mapped to assess efficiency
- More multidisciplinary work is needed to agree on top efficiency indicators to prepare comprehensive health system performance assessment.

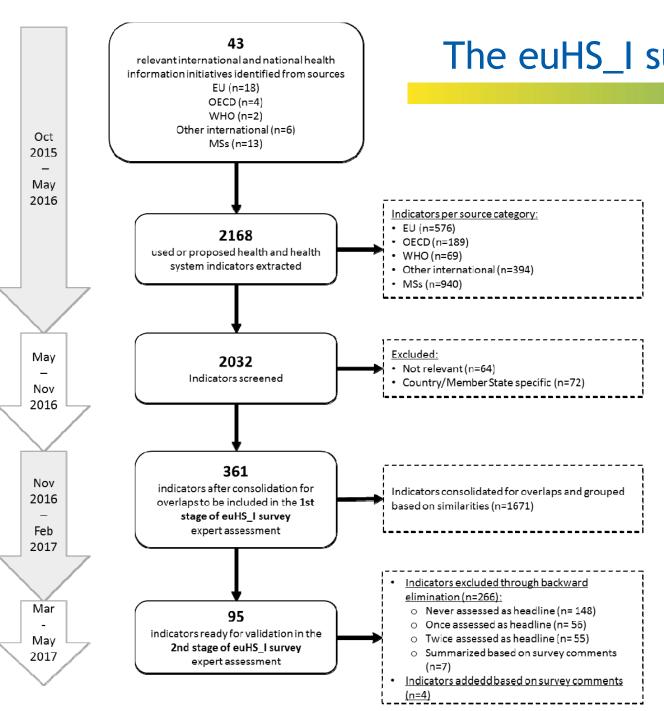






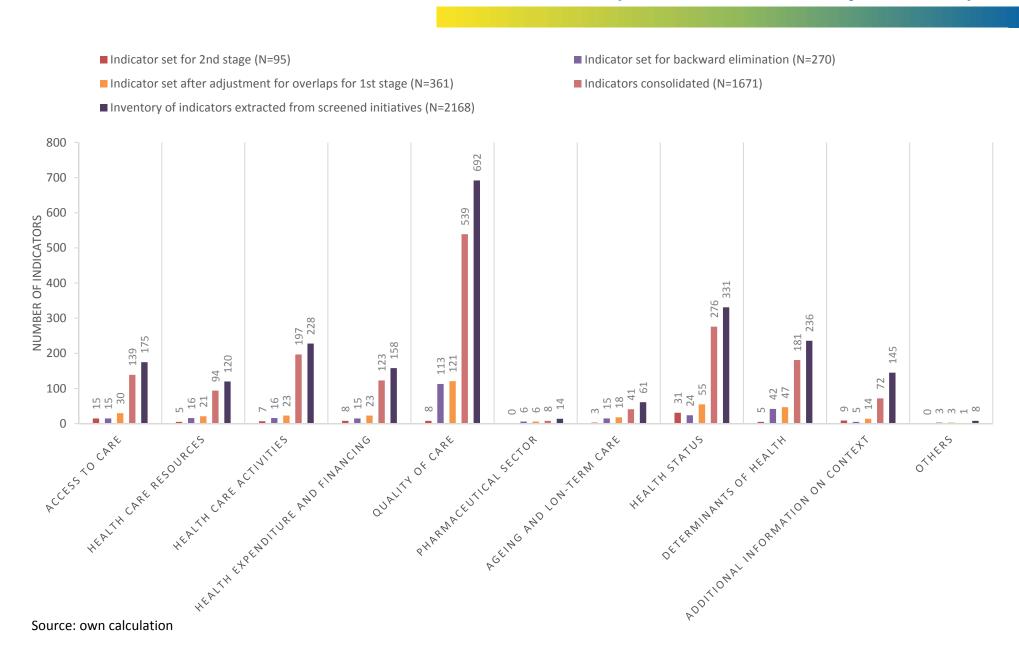
#### Important Health System Information Initiatives in Europe at a glance



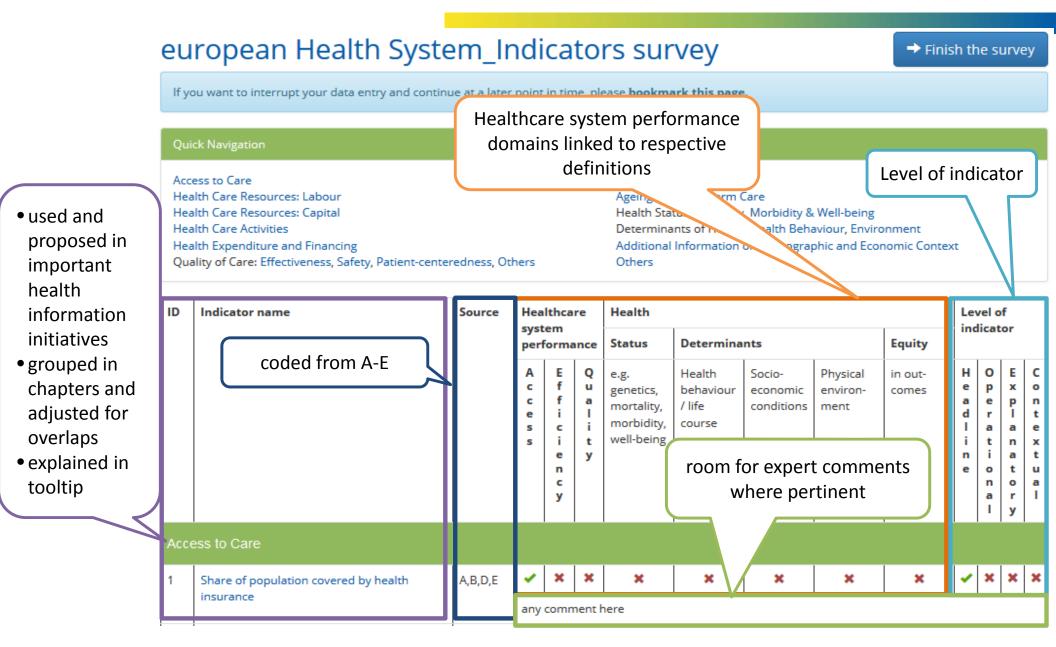


### The euHS\_I survey at a glance

### Oh yes, another mapping exercise Construction of the euHS\_I survey indicator repository



# euHS\_I survey invited experts to categorize selected indicators into performance domains, and to assess the importance of their information content



## RESULTS of the 2nd stage of euHS\_I survey Top 3: Headline indicators

Name of indicator	Rank stage 2	Rank stage 1	n	Domain freq (n, %)	Headline freq (n, %)
Share of population covered by health insurance	1	1	69	66 (92%)	43 (65%)
Self-reported unmet need for medical care (total by reason: cost, waiting time, distance)	2	1	68	62 (86%)	25 (40%)
Access to acute care	3	4	66	61 (85%)	26 (43%)
Public (current) health expenditure as share of total government expenditure	1	3	52	32 (44%)	16 (50%)
Total health care expenditure by all financing agents (total, public and private sectors)	2	1	54	41 (56%)	20 (49%)
Current health care expenditure (CHE) by all financing agents (total, public and private sectors)	3	2	54	36 (50%)	17 (47%)
Vaccination coverage in children	1	1	52	44 (61%)	29 (66%)
Maternal mortality rate	2	2	48	42 (58%)	25 (60%)
Avoidable mortality rate: amenable and preventable deaths	3	3	48	38 (53%)	20 (53%)
Share of population covered by health insurance	1	8	69	39 (54%)	27 (69%)
Self-reported unmet need for medical care (total by reason: cost, waiting time, distance)	2	1	68	42 (58%)	20 (48%)
Out-of-pocket medical spending as a share of final household consumption	3	6	67	36 (50%)	15 (47%)
Infant mortality rate	1	1	50	39 (54%)	30 (77%)
Life expectancy	2	2	52	47 (65%)	35 (74%)
Healthy Life Years (HLY)	3	4	51	42 (58%)	26 (61%)
Share of population covered by health insurance	1	10 (?)	69	32 (44%)	18 (56%)
	Share of population covered by health insurance  Self-reported unmet need for medical care (total by reason: cost, waiting time, distance)  Access to acute care  Public (current) health expenditure as share of total government expenditure  Total health care expenditure by all financing agents (total, public and private sectors)  Current health care expenditure (CHE) by all financing agents (total, public and private sectors)  Vaccination coverage in children  Maternal mortality rate  Avoidable mortality rate: amenable and preventable deaths  Share of population covered by health insurance  Self-reported unmet need for medical care (total by reason: cost, waiting time, distance)  Out-of-pocket medical spending as a share of final household consumption  Infant mortality rate  Life expectancy  Healthy Life Years (HLY)	Share of population covered by health insurance  1 Self-reported unmet need for medical care (total by reason: cost, waiting time, distance)  2 Access to acute care  3 Public (current) health expenditure as share of total government expenditure  1 Total health care expenditure by all financing agents (total, public and private sectors)  2 Current health care expenditure (CHE) by all financing agents (total, public and private sectors)  3 Vaccination coverage in children  1 Maternal mortality rate  2 Avoidable mortality rate: amenable and preventable deaths  3 Share of population covered by health insurance  1 Self-reported unmet need for medical care (total by reason: cost, waiting time, distance)  2 Out-of-pocket medical spending as a share of final household consumption  3 Infant mortality rate  1 Life expectancy  2 Healthy Life Years (HLY)  3	Share of population covered by health insurance 1 1 1  Self-reported unmet need for medical care (total by reason: cost, waiting time, distance) 2 1  Access to acute care 3 4  Public (current) health expenditure as share of total government expenditure 1 3  Total health care expenditure by all financing agents (total, public and private sectors) 2 1  Current health care expenditure (CHE) by all financing agents (total, public and private sectors) 3 2  Vaccination coverage in children 1 1  Maternal mortality rate 2 2  Avoidable mortality rate: amenable and preventable deaths 3 3  Share of population covered by health insurance 1 8  Self-reported unmet need for medical care (total by reason: cost, waiting time, distance) 2 1  Out-of-pocket medical spending as a share of final household consumption 3 6  Infant mortality rate 1 1  Life expectancy 2 2  Healthy Life Years (HLY) 3 4	Share of population covered by health insurance 1 1 69 Self-reported unmet need for medical care (total by reason: cost, waiting time, distance) 2 1 68 Access to acute care 3 4 66 Public (current) health expenditure as share of total government expenditure 1 3 52 Total health care expenditure by all financing agents (total, public and private sectors) 2 1 54 Current health care expenditure (CHE) by all financing agents (total, public and private sectors) 3 2 54 Vaccination coverage in children 1 1 52 Maternal mortality rate 2 2 48 Avoidable mortality rate: amenable and preventable deaths 3 3 48 Share of population covered by health insurance 1 8 69 Self-reported unmet need for medical care (total by reason: cost, waiting time, distance) 2 1 68 Out-of-pocket medical spending as a share of final household consumption 3 6 67 Infant mortality rate 1 1 50 Life expectancy 2 2 52 Healthy Life Years (HLY) 3 4 51	Self-reported unmet need for medical care (total by reason: cost, waiting time, distance)  Self-reported unmet need for medical care (total by reason: cost, waiting time, distance)  Access to acute care  3 4 66 61 (85%)  Public (current) health expenditure as share of total government expenditure  1 3 52 32 (44%)  Total health care expenditure by all financing agents (total, public and private sectors)  2 1 54 41 (56%)  Current health care expenditure (CHE) by all financing agents (total, public and private sectors)  3 2 54 36 (50%)  Vaccination coverage in children  1 1 52 44 (61%)  Maternal mortality rate  2 2 48 42 (58%)  Avoidable mortality rate: amenable and preventable deaths  3 3 48 38 (53%)  Share of population covered by health insurance  1 8 69 39 (54%)  Self-reported unmet need for medical care (total by reason: cost, waiting time, distance)  2 1 68 42 (58%)  Out-of-pocket medical spending as a share of final household consumption  3 6 67 36 (50%)  Infant mortality rate  1 1 50 39 (54%)  Life expectancy  2 2 52 47 (65%)  Healthy Life Years (HLY)



### Metrics for measuring efficiency and resilience of health systems are rare...

Headline								
Name of indicator	n	Domain freq (n, %)	Level freq (n, %)					
Total health care expenditure by all financing agents (total, public and private sectors)	54	41 (56%)	20 (49%)					

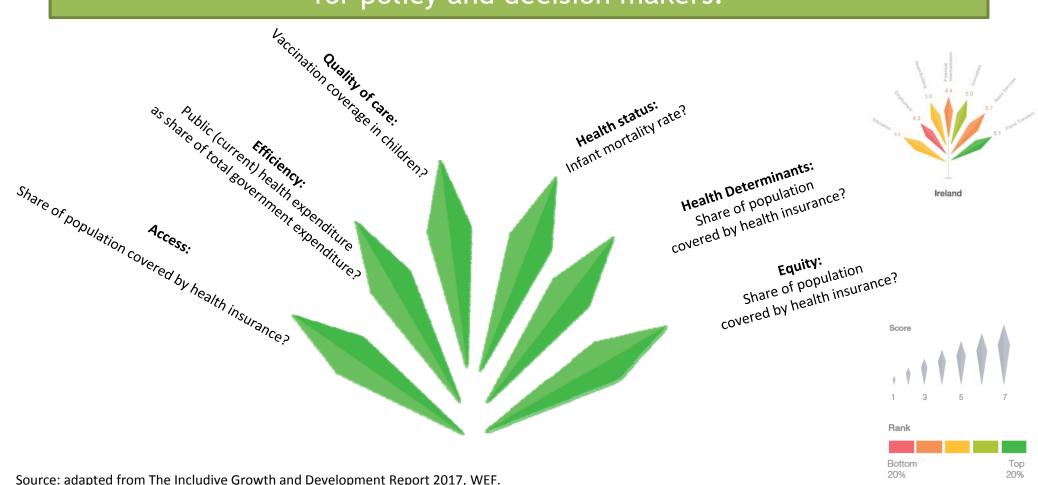
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Name of indicator	n	Domain freq (n, %)	Level freq (n, %)				
Average length of stay (ALOS), total and selected diagnoses	58	49 (68%)	29 (59%)				
Hospital day-cases, total and selected diagnoses	60	47 (65%)	21 (45%)				

Explanatory							
Name of indicator	n	Domain freq (n, %)	Level freq (n, %)				
Share of GPs in all physicians	58	43 (60%)	12 (28%)				
Practising qualified nurses and midwives	56	37 (51%)	9 (24%)				
Number of surgical operations and procedures	56	35 (49%)	9 (26%)				
Caesarean section rates	57	34 (47%)	10 (29%)				
General practitioner (GP) utilisation: self-reported visits / Number of doctor consultations	57	33 (46%)	10 (30%)				
Reported waiting times for access to specialist (care)	65	33 (46%)	7 (21%)				
Waiting times for elective surgeries	66	31 (45%)	7 (23%)				

Source: own calculation

### Expected output - headline indicators: an illustration based on 2nd euHS\_I stage results

Derive recommendations for a minimum basic set of broadly agreed robust indicators of health system performance assessment for policy and decision makers.



#### Next steps

- Utilize BRIDGE Health, e.g. ECHI, knowledge to define indicator standards, in particular for headline indicators
- Validate the results in face-to-face interviews with policy makers from Member States
- Propose ways how to highlight and feature the selected indicators and
- Definition of yardstick







### Thank you for your attention!

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