This project is funded by the Health Programme of the European Union.

Lifecycle European project
Potential of Bridge Health

- Sustainability of EU funded projects and initiatives
- Improving health information for Europe

Major challenges
- Diversity of health information structures
- Fragmentation in databases and registries
- Health information inequalities
- Lack of sustainability of health information structures

Capacity for EU health information strategy
- Knowledge management
- Health information priorities for MSs and EU
- Key determinants of ill-health and health inequality in the EU
- Enhance information on regional variations and inequalities
- Better information on healthcare quality and outcomes
- EU health system performance assessment framework

Key impact on policy and health systems
- Efficient resource allocation
- Better scientific evidence for policy
- Improved comparability
- More transparency and better targeting
- Reduced health information gaps across EU and MS
aims

- to create a **blueprint for a European health information system (EU HIS) and infrastructure**;
- to evaluate different **structural and institutional options** including a comprehensive European Research Infrastructure Consortium (ERIC) in health information; and
- to **prepare the transition** towards a sustainable and integrated EU HIS for both public health and research purposes.
BRIDGE Health should profit from EuroREACH`s HEALTH DATA NAVIGATOR, which uses concepts of performance assessment and issues of data management in organizing and storing of data and information.

This project is funded by the Health Programme of the European Union.

www.healthdatanavigator.eu
Welcome to the Health Data Navigator

Why should you use the Health Data Navigator?

The Health Data Navigator is an interactive platform for researchers, policy makers, and healthcare professionals to easily access health data and enhance cross-country analysis of European health systems of Austria, Estonia, Finland, France, Germany, Israel, Luxembourg and United Kingdom. As a digital compendium of major health databases and initiatives on national and international level the Health Data Navigator facilitates your research by informing you about:

- performance measurement issues in health care through an inventory of performance frameworks, methods and a glossary.

- data management issues that arise in comparing performance of health systems, also when disease-based individual level data are used across countries.

- available international and national health databases and initiatives allocated on the basis of the EuroREACH performance dimensions both on the aggregate and individual level.
Work in the field of “Evaluation of health care systems” aims at featuring blueprints in the areas of Headline health system indicators and Health system performance assessment frameworks.

- **31 Partners**
- **16 EU countries**
- **12 VAs and 7 HAs**

This project is funded by the Health Programme of the European Union.
EU agenda for effective, accessible and resilient health systems

- Strengthening effectiveness
  - Health systems performance assessment
  - Patient safety and quality of care
  - Integration of care

- Increasing accessibility
  - Planning of EU health workforce
  - Cost-effective use of medicines
  - Optimal implementation of Directive 2011/24

- Improving resilience
  - HTA
  - Health information system
  - eHealth


This project is funded by the Health Programme of the European Union
Dear Vytenis,

- ....

- Developing expertise on performance assessments of health systems, drawing lessons from recent experience, and from EU-funded research projects to build up country-specific and cross-country knowledge which can inform policies at national and European level....
Our approach

Step 1 - to organize the existing health system performance indicator landscape by identifying important health information initiatives

Step 2 - to map these indicators to defined health system performance domains and
- to request experts\(^1\) to decide the level of importance of indicators

Step 3 - Survey results will be circulated and
- in a follow-up consensus meeting experts\(^1\) are requested to re-assess the grouping of indicators and give opinion on their level of aggregation.

Step 4 - Expected outcome is a **minimum basic set of broadly agreed robust indicators of health system performance** assessment for policy and decision makers.

\(^1\) Experts are coming from the BRIDGE Health project and from the European Commission, Member States, OECD and WHO.
## Step 1: Selection criteria of initiatives

<table>
<thead>
<tr>
<th>ID</th>
<th>Criterion</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Aims at harmonising monitoring of health systems and health policy</td>
<td>• uses international comparative data&lt;br&gt;• developed/available within the last 5 years&lt;br&gt;• output is recurrent and available in English</td>
</tr>
<tr>
<td>2</td>
<td>Uses health system performance assessment (HSPA) frameworks</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Serves both public health and research purposes</td>
<td>transparency, accountability and accessibility of data</td>
</tr>
<tr>
<td>4</td>
<td>Informs a blueprint for an indicator repository of a European health information infrastructure</td>
<td>provides a list of indicators</td>
</tr>
<tr>
<td>5</td>
<td>Provides assessment and meta-information of indicators</td>
<td>provides&lt;br&gt;• information/reference on the selection process of indicator,&lt;br&gt;• description, calculation, rationale, data availability, comparability, etc. of indicators</td>
</tr>
<tr>
<td>6</td>
<td>Provides analytical outputs for evaluating health systems</td>
<td>• quantitative analysis performed&lt;br&gt;• interpretation of analytical outputs available</td>
</tr>
</tbody>
</table>
Step 1: Descriptive synthesis of important HSI initiatives

This project is funded by the Health Programme of the European Union.

European Commission

Council of the EU

WHO European Region

Sub-group 5

AWG

Economic Policy Committee

EG HSPA

SHA, health data, HCQI

Health at a Glance (Europe)

Better Life Initiative

Joumard et al. 2010

Ad hoc reflection group on efficiency of HS

DG EAC

DG SANTÉ

DG RTD

DG ECFIN

DG EMPL

SPC/ISG

EUROSTAT

Chafea

MACELI project: HS efficiency-lifestyles

EGHI

EXPH 2014

JRC

FPs: e.g. EuroREACH, EuroHOPE, ECHO, EuroDRG, Healthbasket, etc.

ERIcs: SHARE

Joint report on health systems 2010

Thematic Assessment Framework 2014 (European Semester, CSD)

Efficiency estimates of health care systems 2015

JAF Health

Peer review on HSPA

SPPM

European Pillar of Social Rights

SDI

Quality of life indicators

Surveys: EU-SILC, EHIS

SHA, health data

ESPROS

COFOG

Eurobarometer

Other supporting agencies

Eurofound

EMCCDA

EMA

ECDC

EU-OSHA

EFSA

Agency

Analytical output

Conceptual output

Guiding/advisory/preparatory body
1st organizing principal for the euHS_I survey: Health System Performance Domains FP 7 EuroREACH stylized framework

Source: http://www.healthdatanavigator.eu/performance/frameworks/euroreach-framework
Operational indicators
- lead indicators in their subthemes to monitor progress
- robust & available for min 3 years for most MSs

Headline indicators
- Monitor the overall objectives related to key challenges
- widely used indicators with a high communicative and educational value
- robust & available for min 5 years for most MSs

Explanatory indicators
- useful for analysing progress towards the strategy's objectives
- breakdowns of higher level indicators (e.g. by gender or income group etc.)
- Intended for a more specialised audience

Contextual indicators are part of the set, but either do not monitor directly a particular SDS objective, or they are not policy responsive.

Indicators under development
either already exist, but are of insufficient quality or coverage

Source: Eurostat-SDI 2015
Step 2: The euHS_I survey questionnaire, to be launched late Spring 2016

Health system performance domains which are linked to respective definitions

Level of indicator (headline / operational / explanatory / contextual)

• used and proposed in important health information initiatives
• grouped and adjusted for overlaps
• explained in the yellow text bubble

<table>
<thead>
<tr>
<th>ID</th>
<th>Indicator name</th>
<th>Source</th>
<th>Level of indicator</th>
<th>Health care resources: capital</th>
<th>Health care activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Hospital beds</td>
<td>A, B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>Turnover rate, acute care beds</td>
<td>A, B</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>102</td>
<td>Occupancy rate of curative (acute) care</td>
<td>A, B</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>103</td>
<td>Medical technologies (CT/MRI)</td>
<td>A, B</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>104</td>
<td>Hospital in-patient discharges, selected</td>
<td>A, B,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>105</td>
<td>Hospital day-care, selected diagnoses</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>Hospital day-care as percentage of total</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>107</td>
<td>Average length of stay (LOS), limited</td>
<td>A, B</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>108</td>
<td>General practitioner (GP) utilisation,</td>
<td>A</td>
<td></td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>A: European Commission</td>
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<tr>
<td>B: OECD</td>
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<tr>
<td>C: WHO</td>
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</table>

Room for expert comments where pertinent

Coded from A-E in the column “Source”
Limitation

- No universally accepted HSPA framework at European level
- Language barriers
- No balanced set of indicators is available
- Data collection and maintenance is largely expert driven and opportunistic
- Lack of timeliness of indicator availability
- Opinion and expert based exercise - no objective criteria
- Policy anchor for EU health system indicator repository is
  - susceptible to political “climate change”
  - reflecting global tensions around deepening EU relations, e.g. fiscal policies
This project is funded by the Health Programme of the European Union

Thank you for your attention!

Selected references
## The euHS_I survey: Sources and References

### A - European Commission

<table>
<thead>
<tr>
<th>Source</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECHI</td>
<td>EC, ECHI - European Core Health Indicators (2016) <a href="http://ec.europa.eu/health/indicators/echi/list/index_en.htm">http://ec.europa.eu/health/indicators/echi/list/index_en.htm</a></td>
</tr>
<tr>
<td>ESIF for Health 2015</td>
<td>ESIF, European Structural and Investment Funds (2015) Technical Toolkit: Set of indicators useful for the final evaluation of actions, developed under the project “Provision of support for the effective use of European Structural and Investment (ESI) Funds for health investments”, <a href="http://www.esifforhealth.eu/pdf/WP3%283%29_Indicators_FINAL_20150211.pdf">http://www.esifforhealth.eu/pdf/WP3%283%29_Indicators_FINAL_20150211.pdf</a></td>
</tr>
</tbody>
</table>
# The euHS_I survey: Sources and References

**B-OECD, C-WHO, D- Other, E-Member States**

<table>
<thead>
<tr>
<th><strong>OECD</strong></th>
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<th><strong>WHO</strong></th>
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<td><strong>Health for All</strong></td>
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<th><strong>Other initiatives</strong></th>
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<tr>
<th><strong>Canadian Institute of Health Information (CIHI)</strong></th>
<th>CIHI, Canadian Institute of Health Information (2014) <em>Your Health System: In Depth</em> (2014)</th>
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<th><strong>Member States</strong></th>
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