

Health Systems Research why, what and how

Niek Klazinga MD PhD

Academic Medical Centre – University of Amsterdam
and OECD Paris

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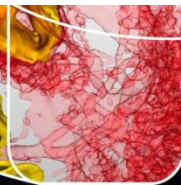
Health
Services
Research
Europe

Working Conference Health Services Research in Europe April 8-9 2010

EU funded project on Health Services Research
into European Policy and Practice

www.healthservicesresearch.eu

<http://jhsrp.rsmjournals.com/>



Challenges facing the European Health Systems

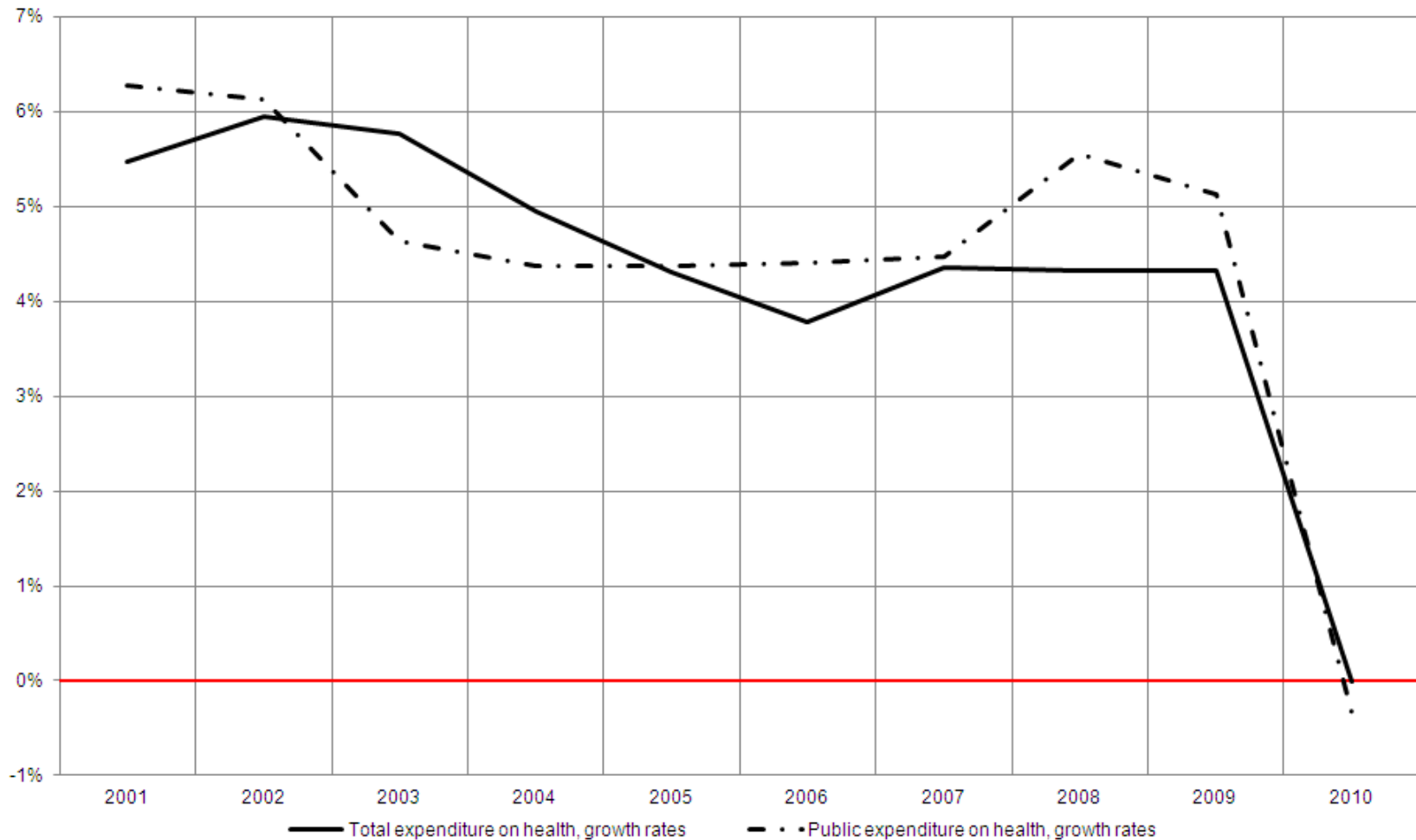
- Need for better integration of care both within the health sector and with other sectors
- Increasing demand for health care
- Providing more patient-centred care
- Assuring and improving quality of care
- Demand for workforce in health care
- Improving efficiency and productivity in health systems





Average OECD health expenditure

Growth rates in real terms, 2000 to 2010, public and total

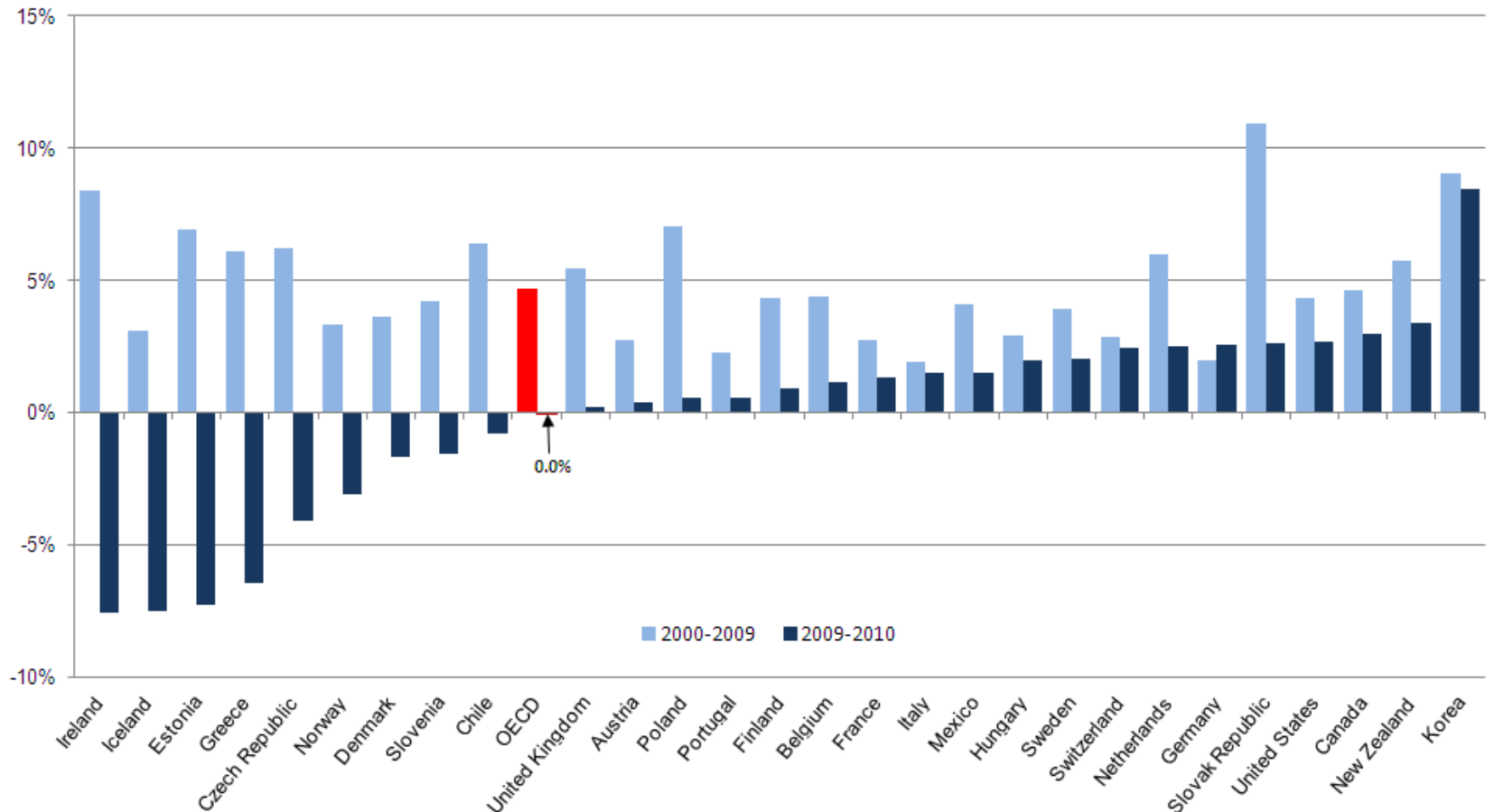


Source: OECD Health Data 2012



Average annual growth in health spending

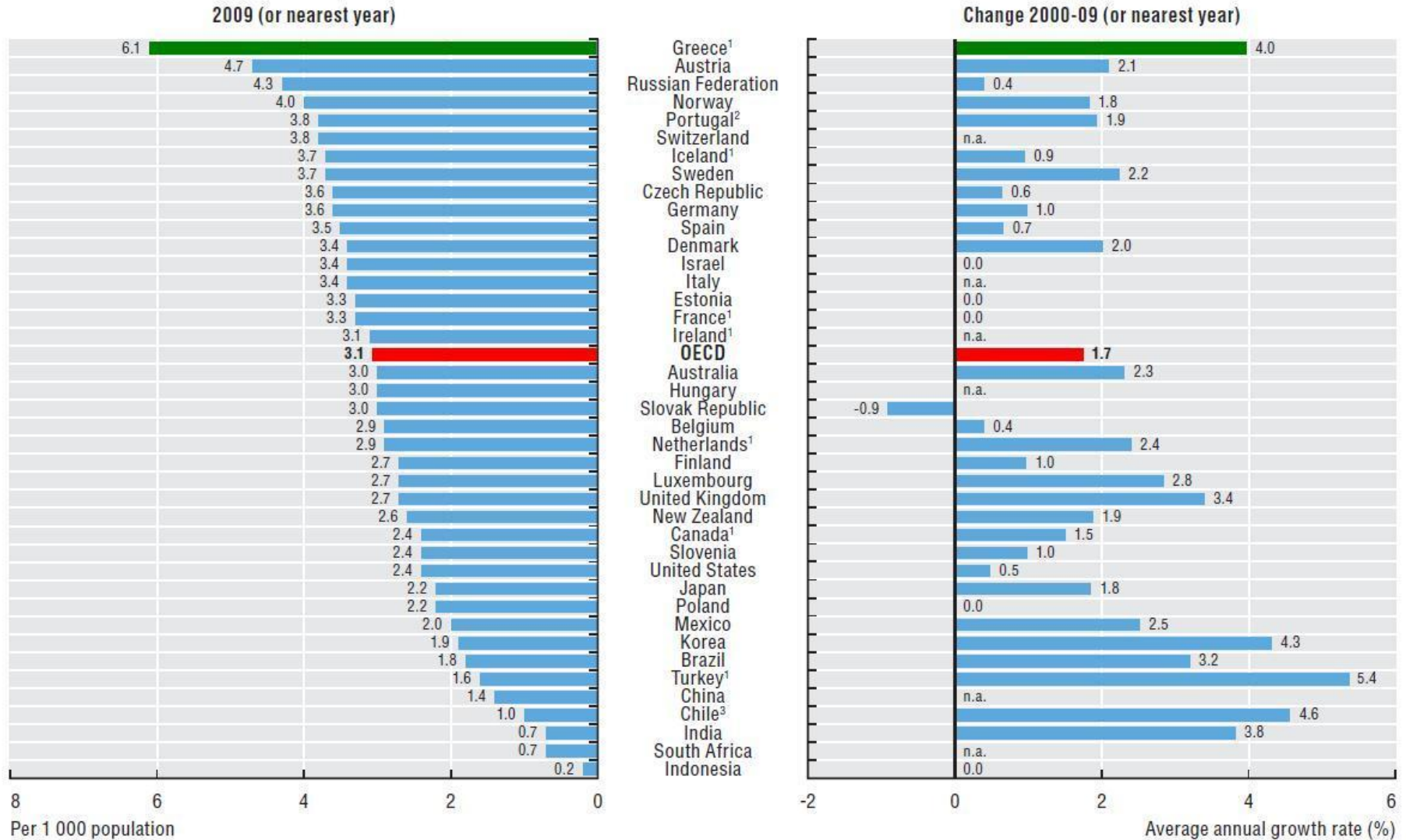
Real terms, 2000-2010



Note:
Growth rates for 2009/10 are not available for Australia, Japan, Luxembourg, Israel, Spain and Turkey.

Source: OECD Health Data 2012.

Practising doctors per 1 000 population, 2009 and change between 2000 and 2009

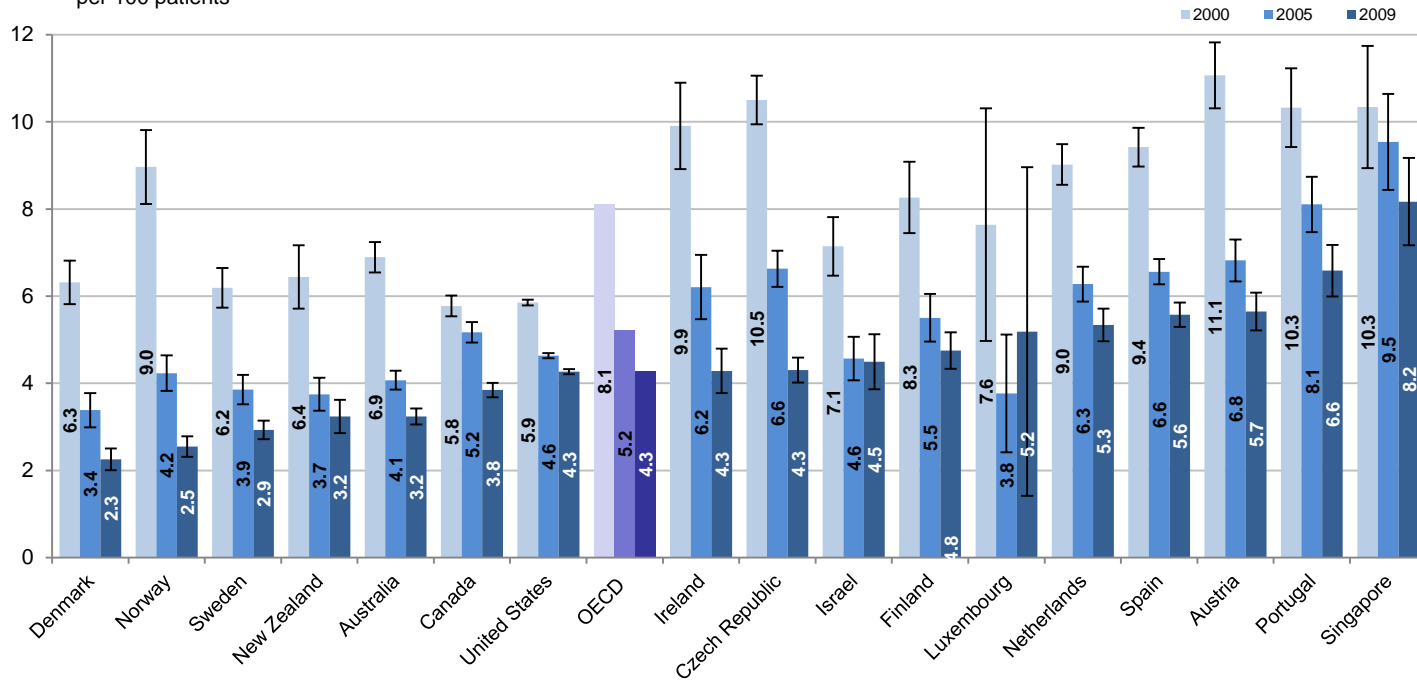


1. Data include not only doctors providing direct care to patients, but also those working in the health sector as managers, educators, researchers, etc. (adding another 5-10% of doctors).
2. Data refer to all doctors who are licensed to practice.
3. Data for Chile include only doctors working in the public sector.

Source: OECD Health Data 2011; WHO-Europe for the Russian Federation and national sources for other non-OECD countries.

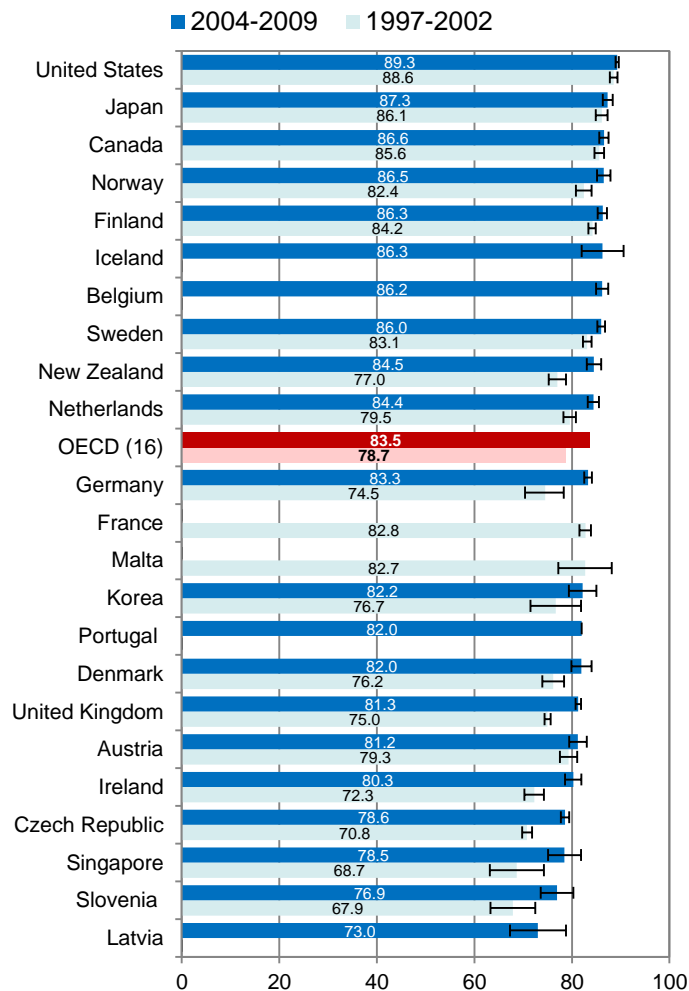
Reduction in in-hospital case-fatality rates within 30 days after admission for AMI, 2000-2009 (or nearest year)

Age-sex standardised rates
per 100 patients



Note: Rates are age-sex standardised to 2005 OECD population (45+), 95% confidence intervals represented by error bars. Source: OECD Health Data 2011.

Breast cancer five-year relative survival rate, 1997-2002 and 2004-09 (or nearest period)



95% confidence intervals are represented by H.

Source: OECD Health Data 2011.

Age-standardised rates (%)



Health services Research (Public) Health Research

Level:

Domain:

I

II

III

Macro

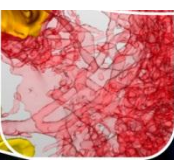
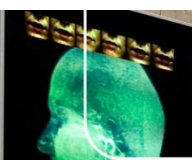
Health systems

Meso

Healthcare Organisations

Micro

*H
T
A*



Health Services Research

- HSR is the multidisciplinary field of scientific investigation that studies how social factors, financial systems, organisational structures and processes, health technologies and personal behaviours affect access to health care and ultimately, the health and wellbeing of citizens.



Types of international HSR in Europe

- Descriptive research
- Explorative research
- Hypotheses testing research
(experimental, quasi-experimental, non-experimental)
- Research on measurement instruments



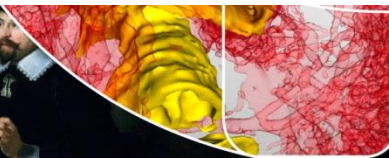
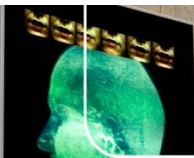
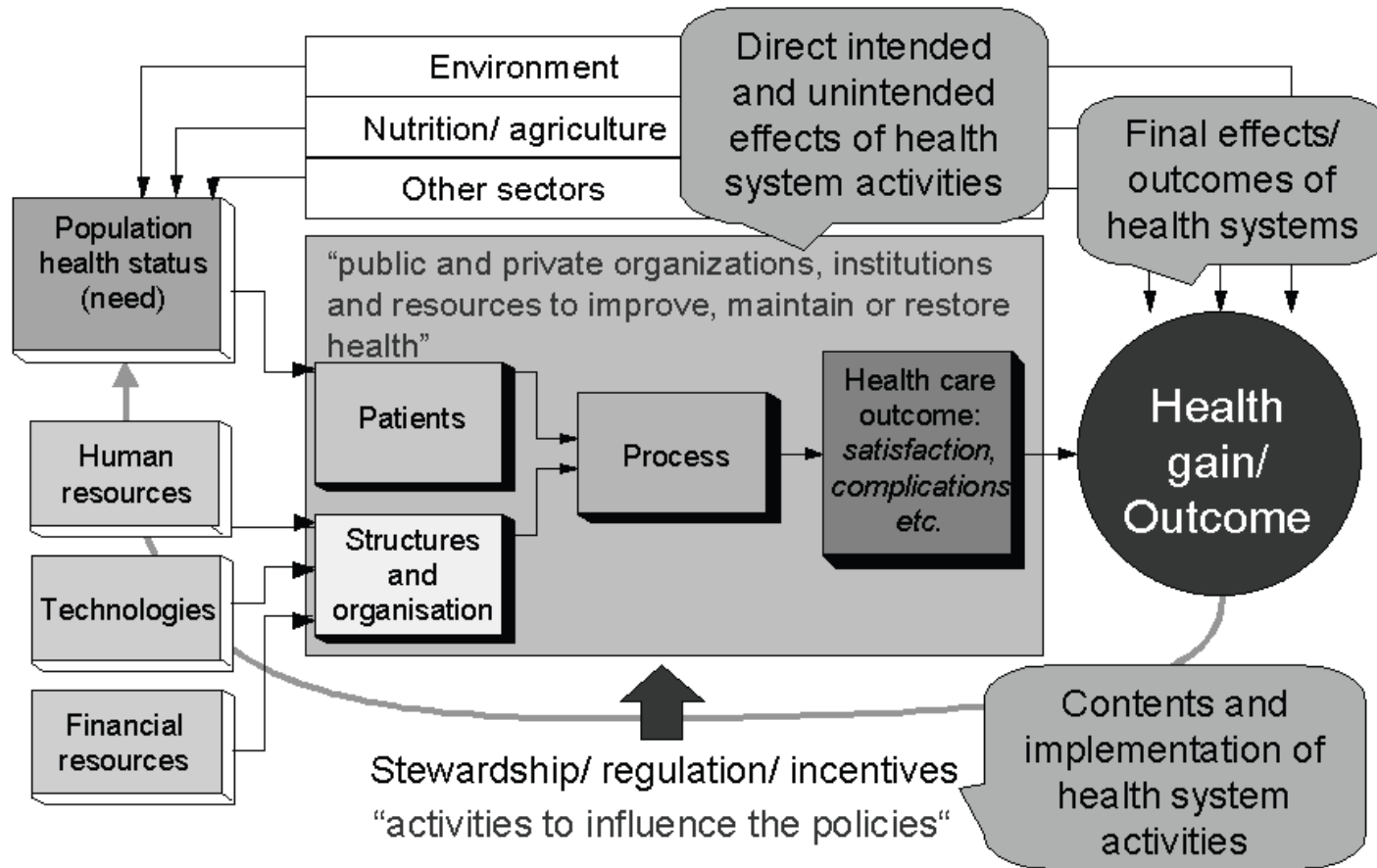
Conceptual notions

- Boundaries Health (Care) System
- Health System as a dependent or independent variable
- Comparability constructs
- Comparability measures
- Limitations inference and generalizability



Health production model for health systems research

“actions of other sectors to address the determinants of health”



EU projects on HSR

- The European Commission (EC) funds health services research through its frameworks for research funding, such as at present FP 7.
- Between 2007 and 2010, the EC, through its Seventh Framework Programme, spent € 275 million on research aimed at “Optimising the delivery of healthcare”, of which € 67.5 million was spent on translating clinical research outcomes into clinical practice (supporting 28 projects), € 63.5 million on health services research € 47 million on health promotion and disease prevention (20 projects), and € 97 million on international public health and health systems research (35 projects). This compares to a total budget for health and life science research of €2.5 billion (EC, 2010)



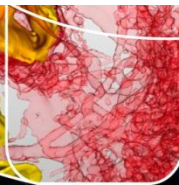
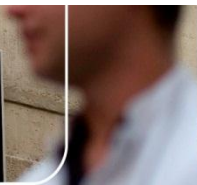
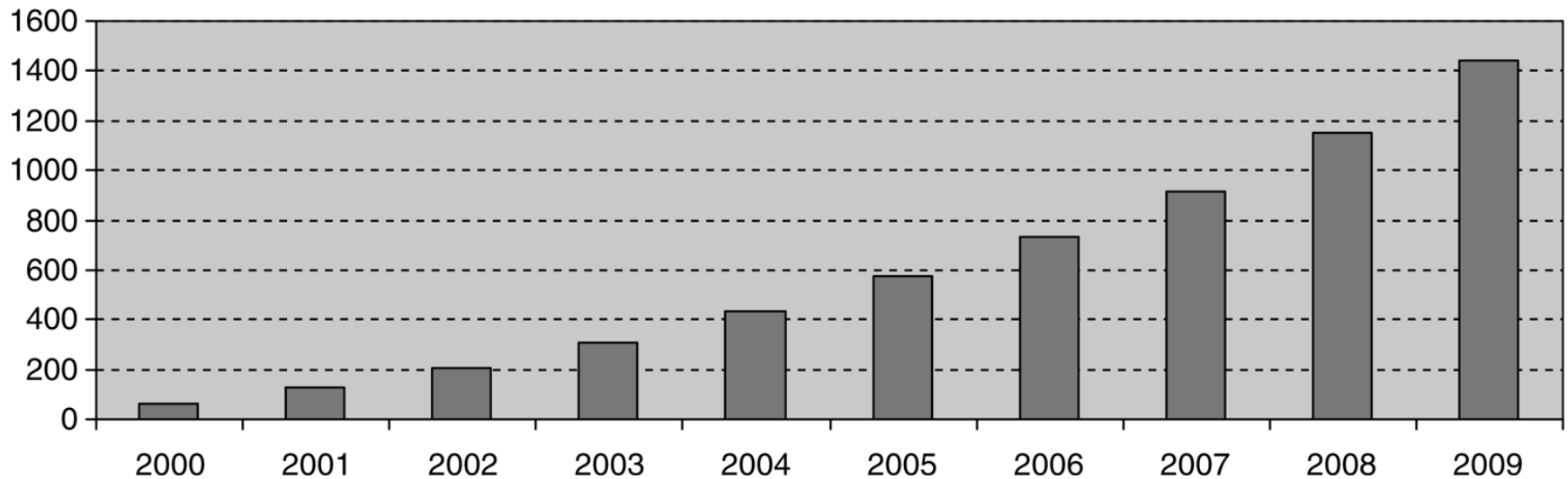
Participation in 62 EU funded projects on Health Services Research

- UK 50-14
- Spain 37-4
- Germany 35-8
- Italy 34-7
- Greece 31-3
- Netherlands 29-8
- France 27-5
- Belgium 24-7
- Poland 22-0
- Sweden 20-0



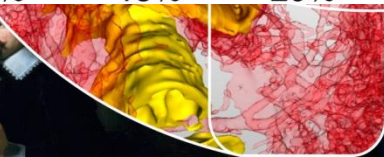
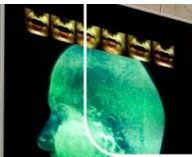
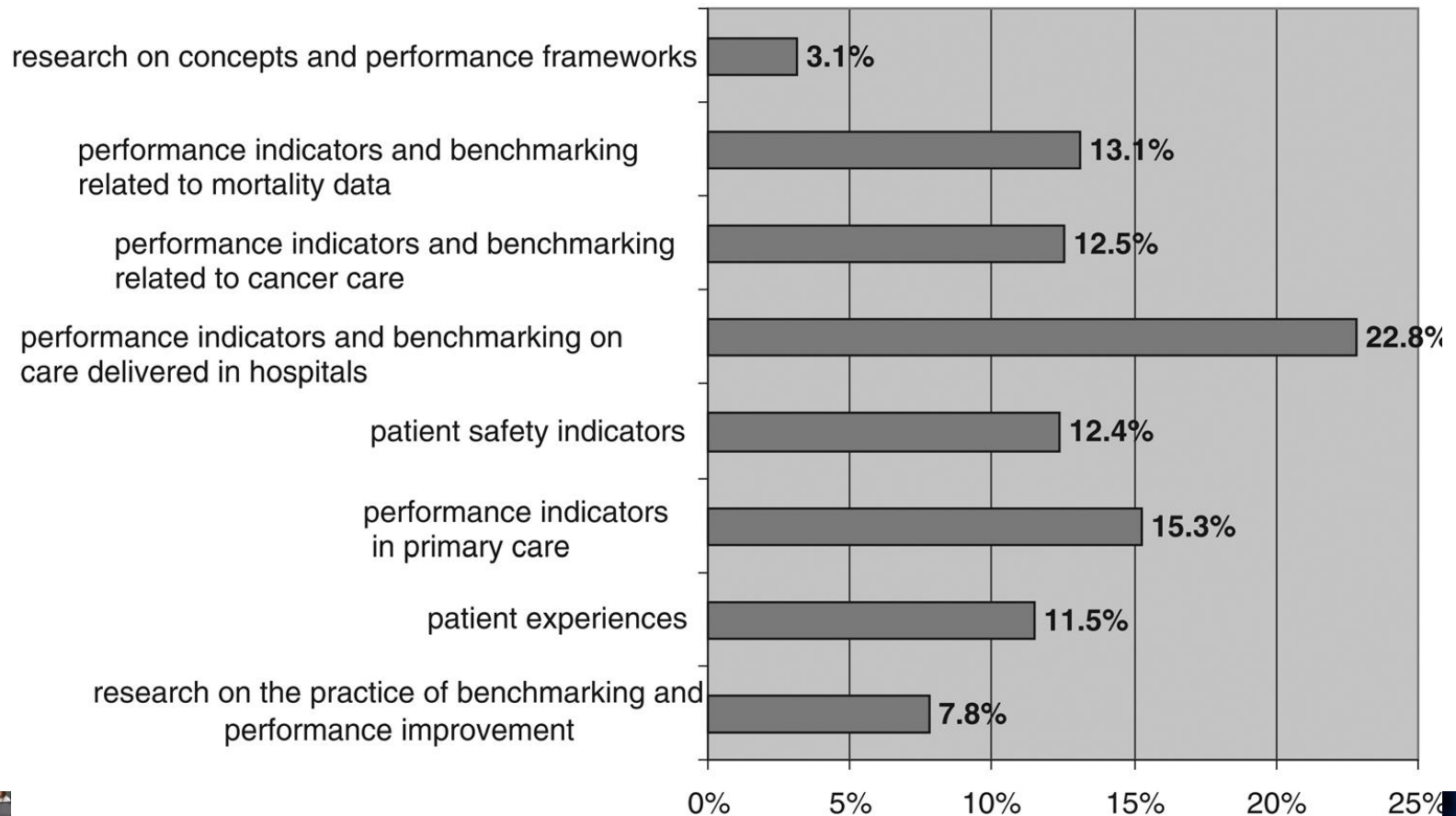
European HSR on benchmarking and quality indicators

Cumulative number of references 2000-2009



Focus of research on indicators/benchmarking

Percentages of references per identified topic



HSR mortality data

- Avoidable mortality (AMIEHS project)
- Case-fatality rates and HSMR
- Death Certificate Registration



HSR and Cancer

- Cancer Screening
- Survival Rates
- Cancer Registration
- Incidence, Prevalence, Control, Staging

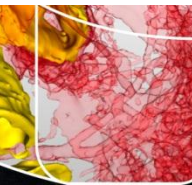
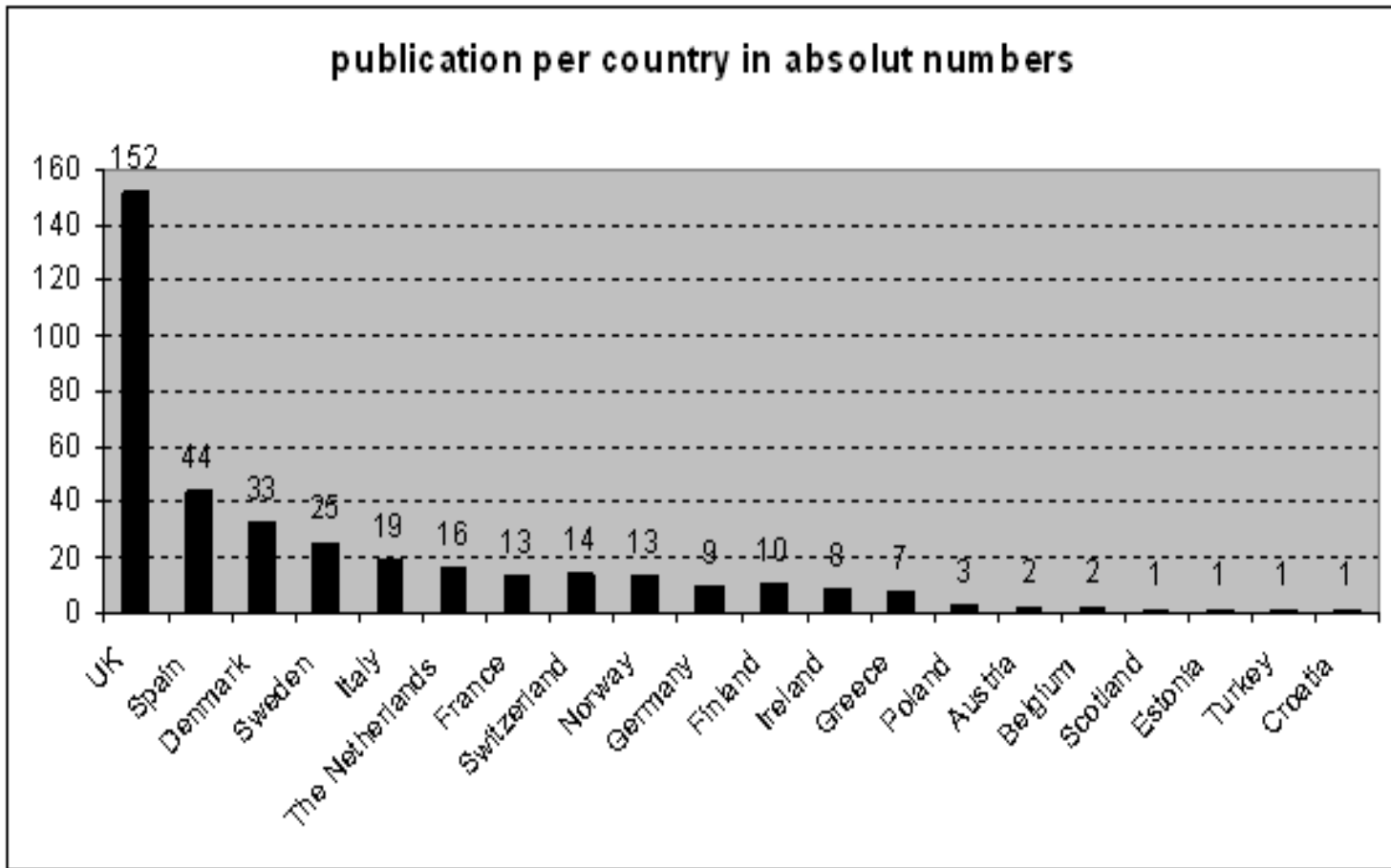


HSR on hospitals

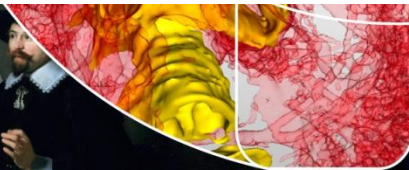
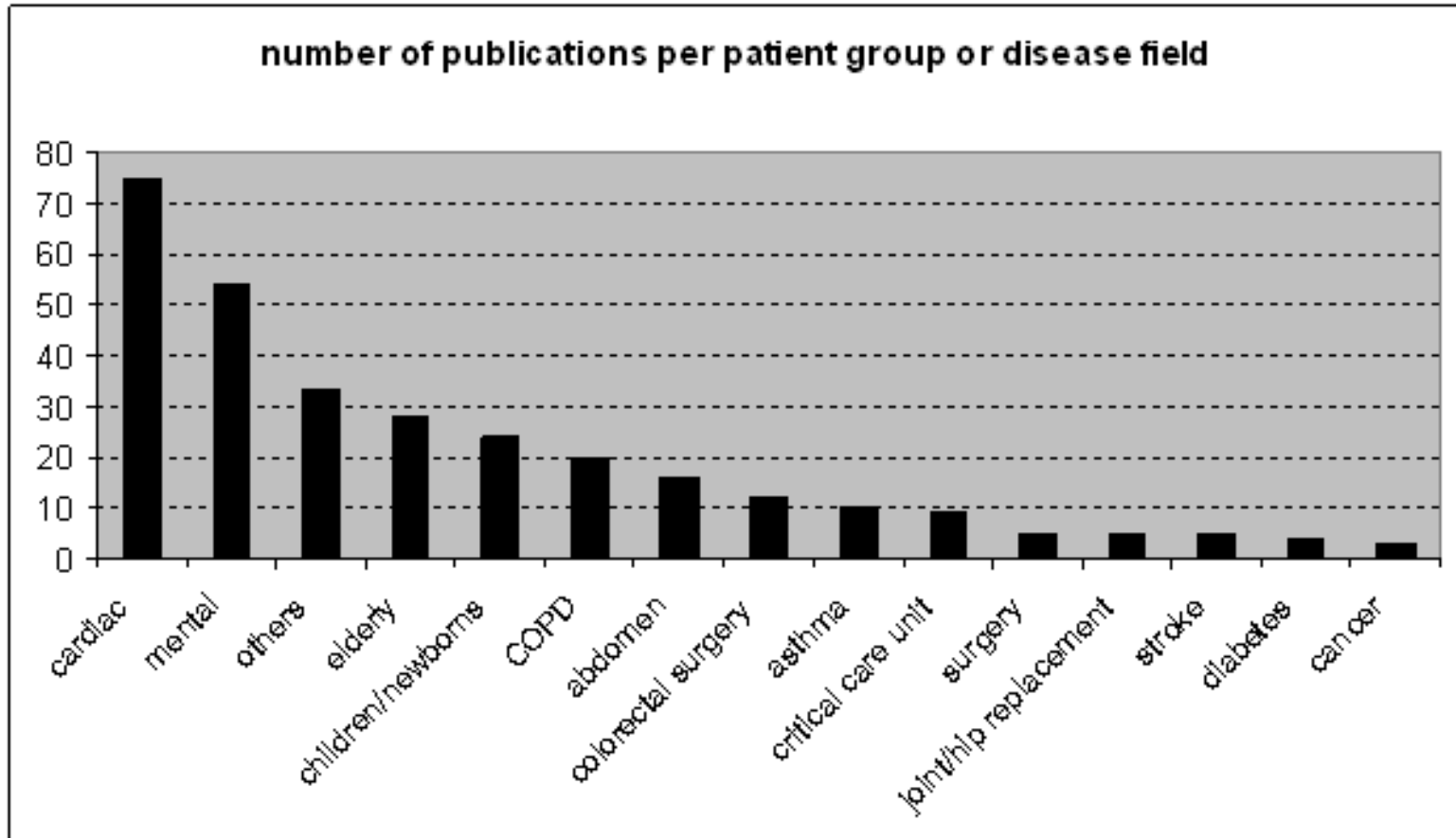
- Performance Models
- Hospital Waiting Times
- Inequality in Waiting times
- Readmission rates



European publications on readmission rates



European publications on readmission rates



European Research on the practice of benchmarking and performance improvement

ECHO (small area-variation/ linking data-bases)

Marquis/ Duque (association between quality strategies, quality improvement and outcomes)

PATH project (WHO/Euro)

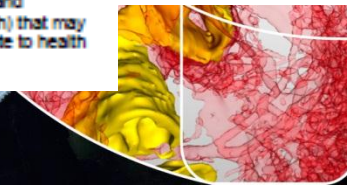
Patient Safety Research (EUNetPas, WHO)



Table 7.1 Training, associations, journals and conferences in health services research (HSR)³

Country	Academic training		National associations		Scientific journals		Conferences	
	HSR training	Related subjects and sub-disciplines	HSR association	Related subjects and sub-disciplines	HSR journals	Related subjects and sub-disciplines	HSR conferences	Related subjects and sub-disciplines
Austria	No	Yes	No	Yes	No	Yes	No	Yes
Belgium	No	Yes	No	Yes	No	Yes	No	Yes
Bulgaria	No	Yes	No	Yes	No	Yes	No	Yes
Croatia	No	Yes	No	Yes	No	Yes	No	Yes
Cyprus	No	Yes	No	No	No	No	No	No
Czech Republic	No	Yes	No	Yes	No	Yes	No	Yes
Denmark	No	Yes	No	Yes	No	Yes	No	Yes
England	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Estonia	No	Yes	No	Yes	No	Yes	No	Yes
Finland	No	Yes	No	Yes	No	Yes	Yes	Yes
France	No	Yes	No	Yes	No	Yes	Yes	Yes
Germany	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Greece	No	Yes	No	Yes	No	Yes	Yes	Yes
Ireland	No	Yes	No	No	No	No	No	Yes
Italy	No	Yes	No	Yes	No	Yes	No	Yes
Latvia	No	Yes	No	Yes	No	No	No	No
Lithuania	No	Yes	No	Yes	No	Yes	No	Yes
Macedonia	No	No	No	Yes	No	Yes	No	Yes
Malta	Yes	Yes	No	Yes	No	Yes	No	Yes
Netherlands	Yes	Yes	No	Yes	No	Yes	No	Yes
Norway	No	Yes	Yes	Yes	No	Yes	No	Yes
Poland	No	Yes	No	Yes	No	Yes	Yes	Yes
Portugal	No	Yes	No	Yes	No	Yes	No	Yes
Romania	No	Yes	No	Yes	No	Yes	No	Yes
Scotland	Yes	Yes	Yes*	Yes*	Yes*	Yes*	Yes	Yes
Slovakia	No	Yes	No	Yes	No	Yes	No	Yes
Slovenia	No	Yes	No	Yes	No	Yes	No	Yes
Spain	No	Yes	No	Yes	No	Yes	No	Yes
Switzerland	No	Yes	No	Yes	No	Yes	No	Yes
Turkey	No	Yes	No	Yes	No	Yes	No	Yes

³ This table distinguishes training, associations, journals and conferences that are bespoke and involve all the disciplines contributing to health services research, as opposed to training, associations, journals and conferences relating to either related subjects (such as public health research, biomedical research) that may include health services research as one area of research among others or disciplines that contribute to health services research (such as health economics, epidemiology, medical sociology).



Strengthening Health Systems Research in Europe

- EU funded Health Services Research
- Common data-infrastructures (OECD Eurostat, WHO)
- Comparable requirements for data-protection and security
- Common European HSR Community

