



# HEALTH SYSTEMS AND COST EVOLUTION

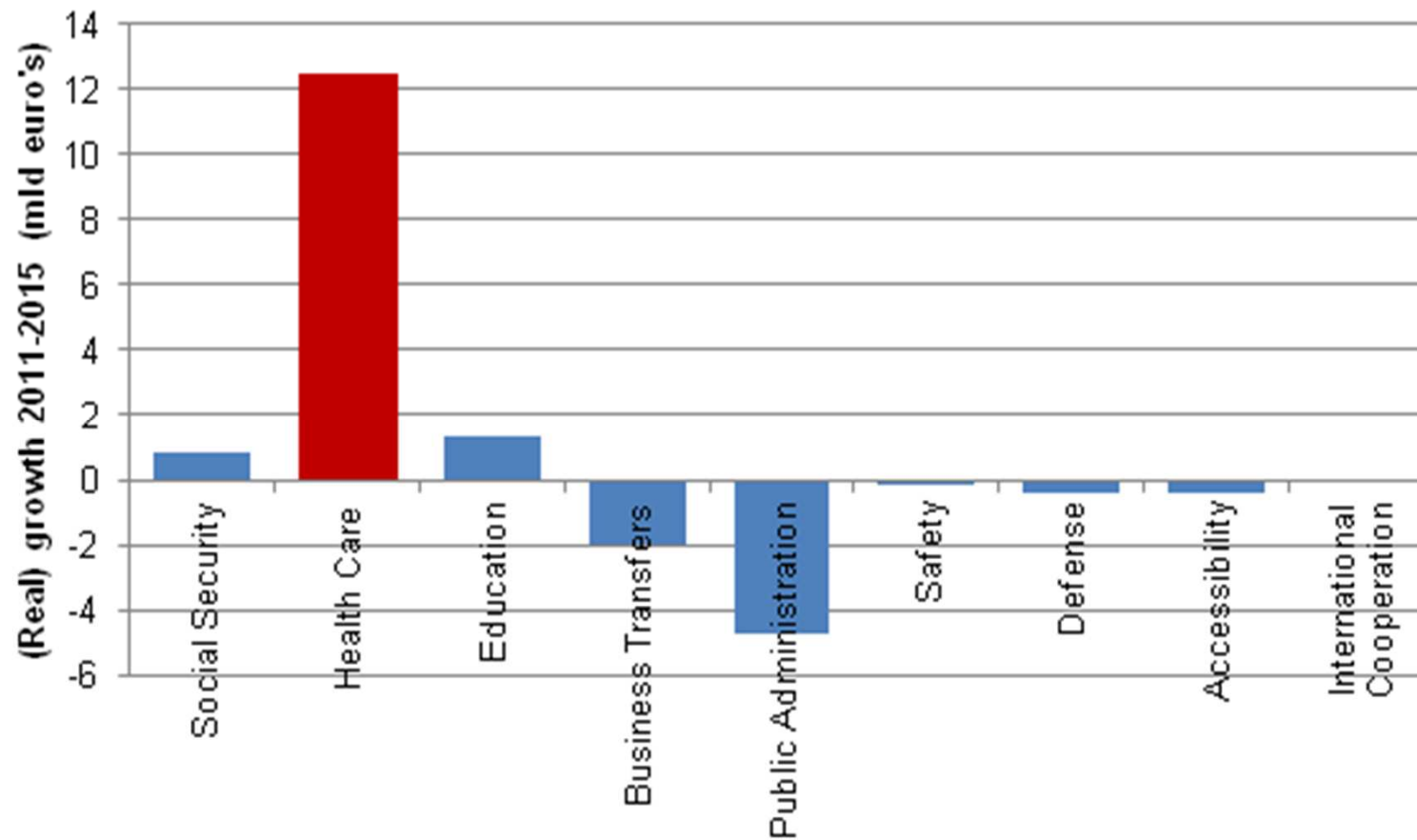
Mark Pearson  
Head, OECD Health Division

Santiago, 8<sup>th</sup> July



# How finance ministries think about health...

Dutch public spending plans: 2011-2015

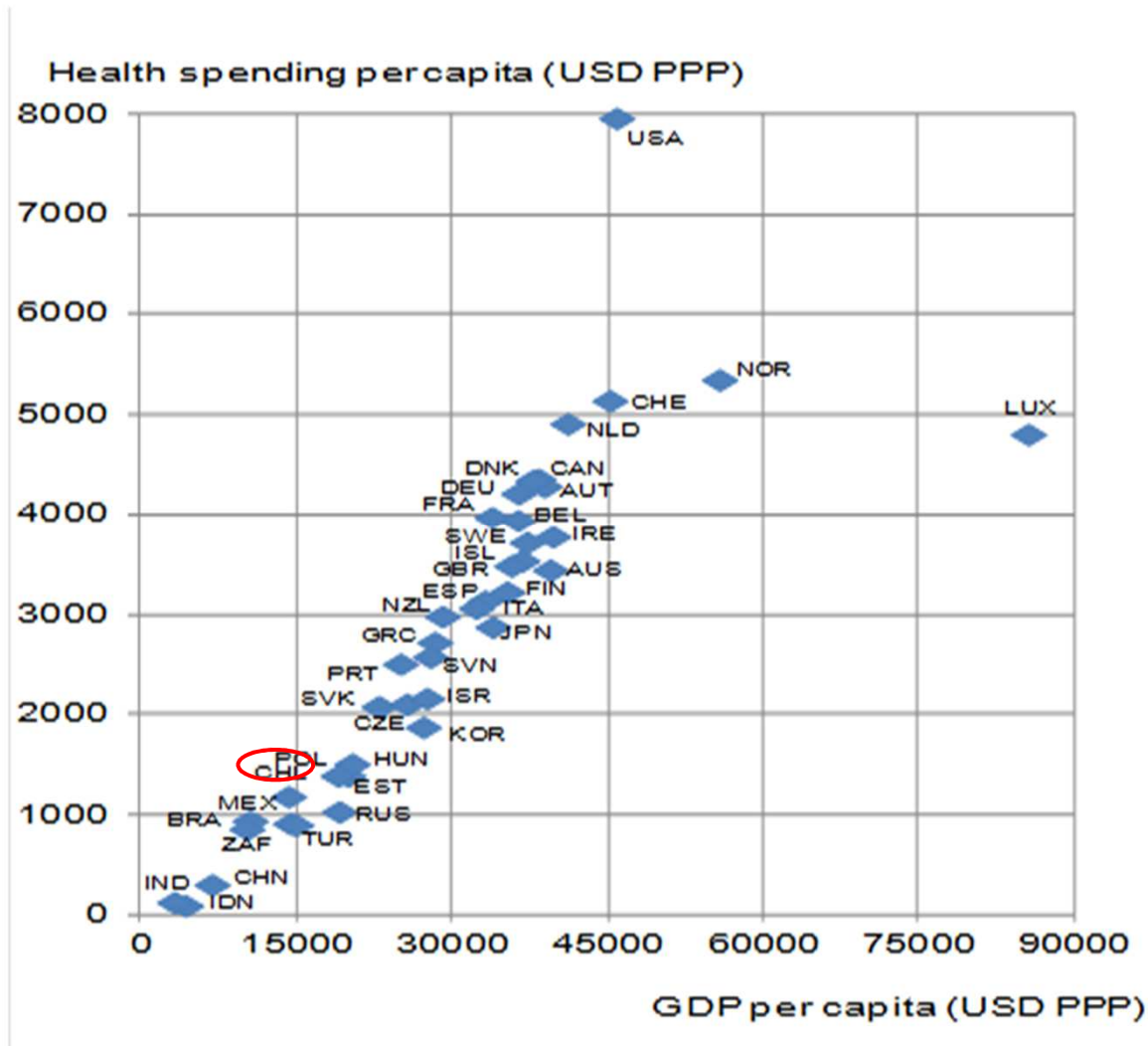


Source: The Netherlands Ministry of Health, Welfare and Sport.





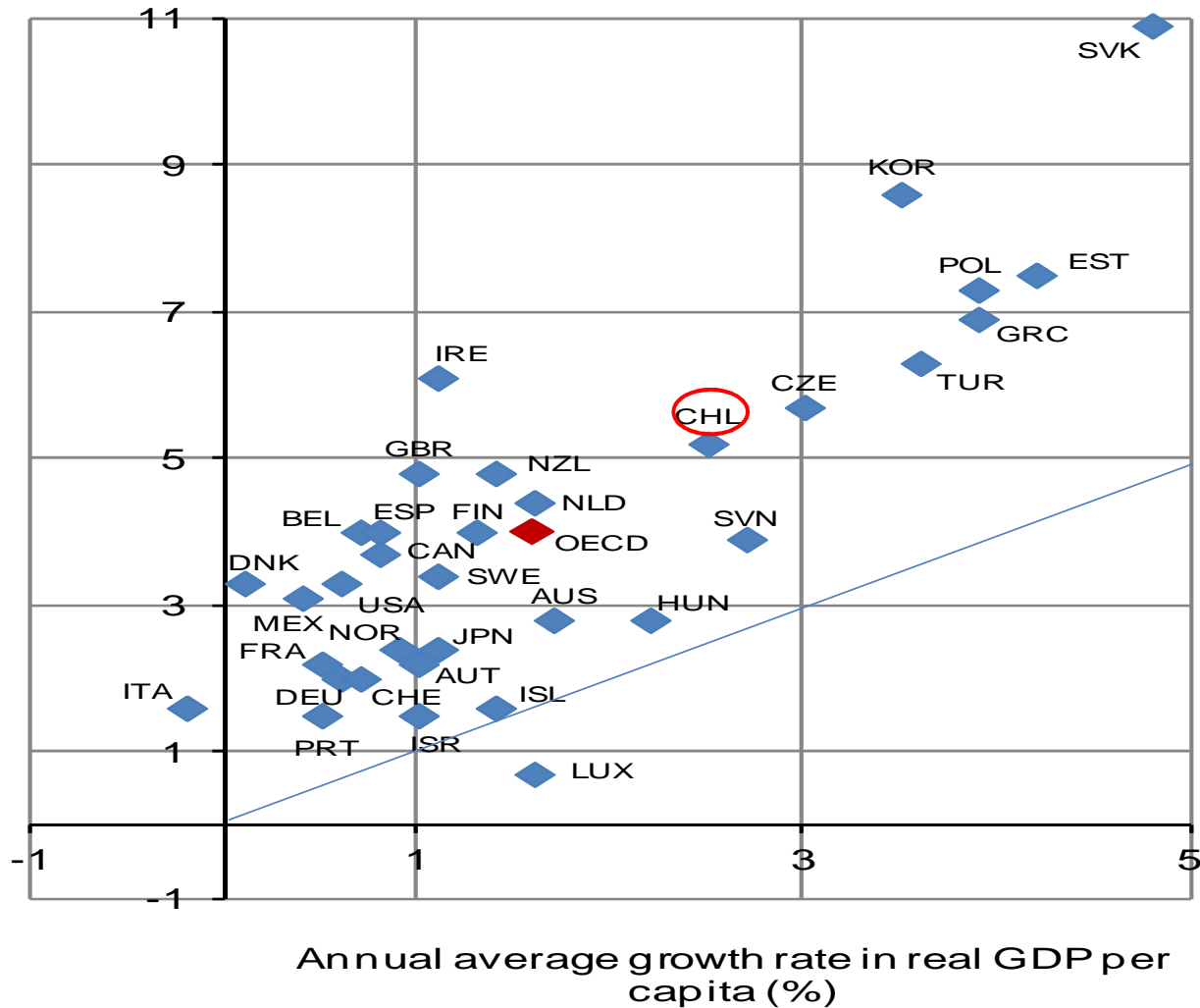
# The richer you are, the more you spend





# Health spending outpaced GDP growth, 2000-2009

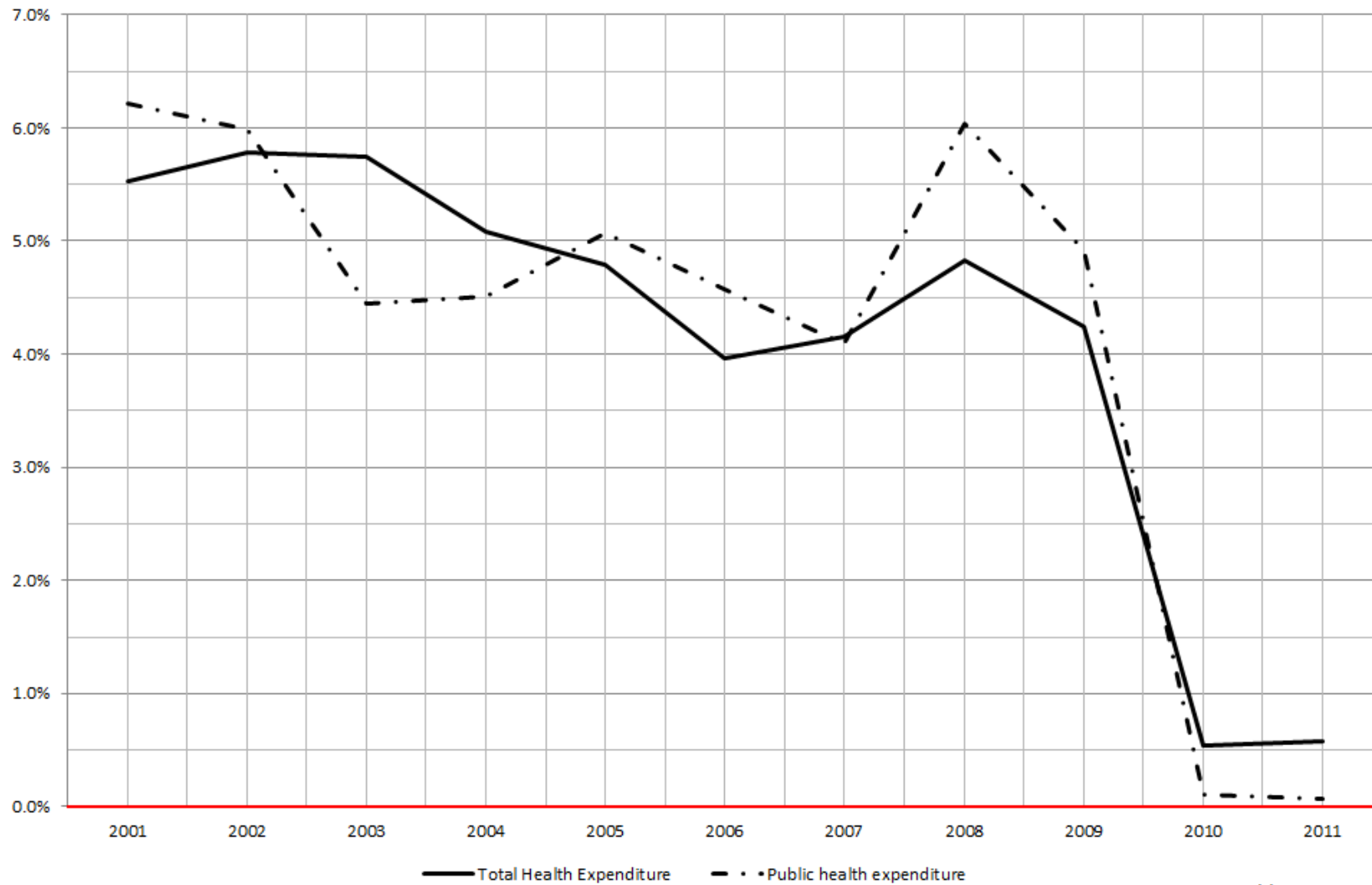
Annual average growth rate in real health expenditure per capita (%)





# Average OECD health expenditure

Growth rates in real terms, 2000 to 2011, public and total

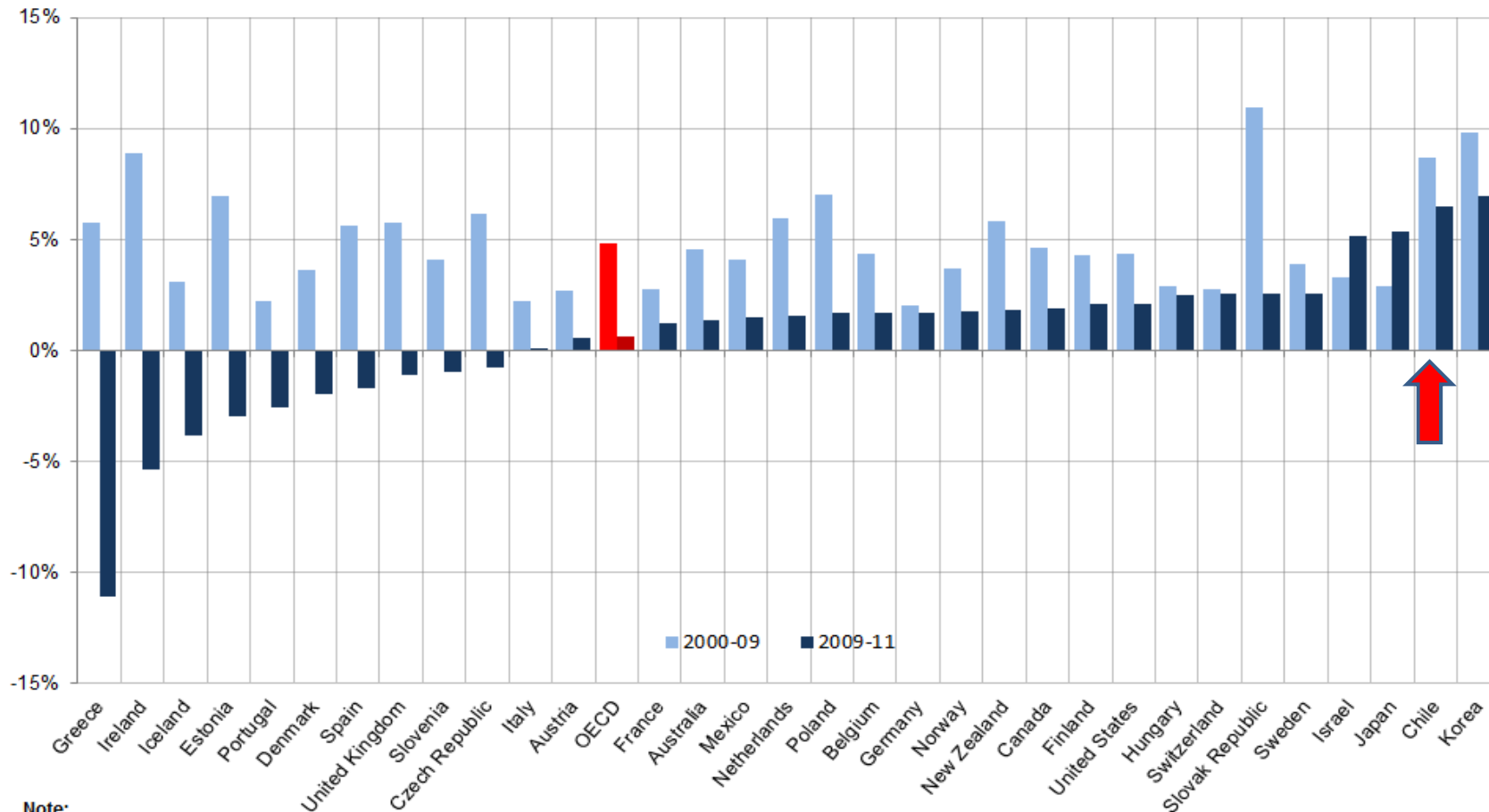


Source: OECD Health Data 2013.



# Average annual growth in health spending

Real terms, 2000-2011



**Note:**

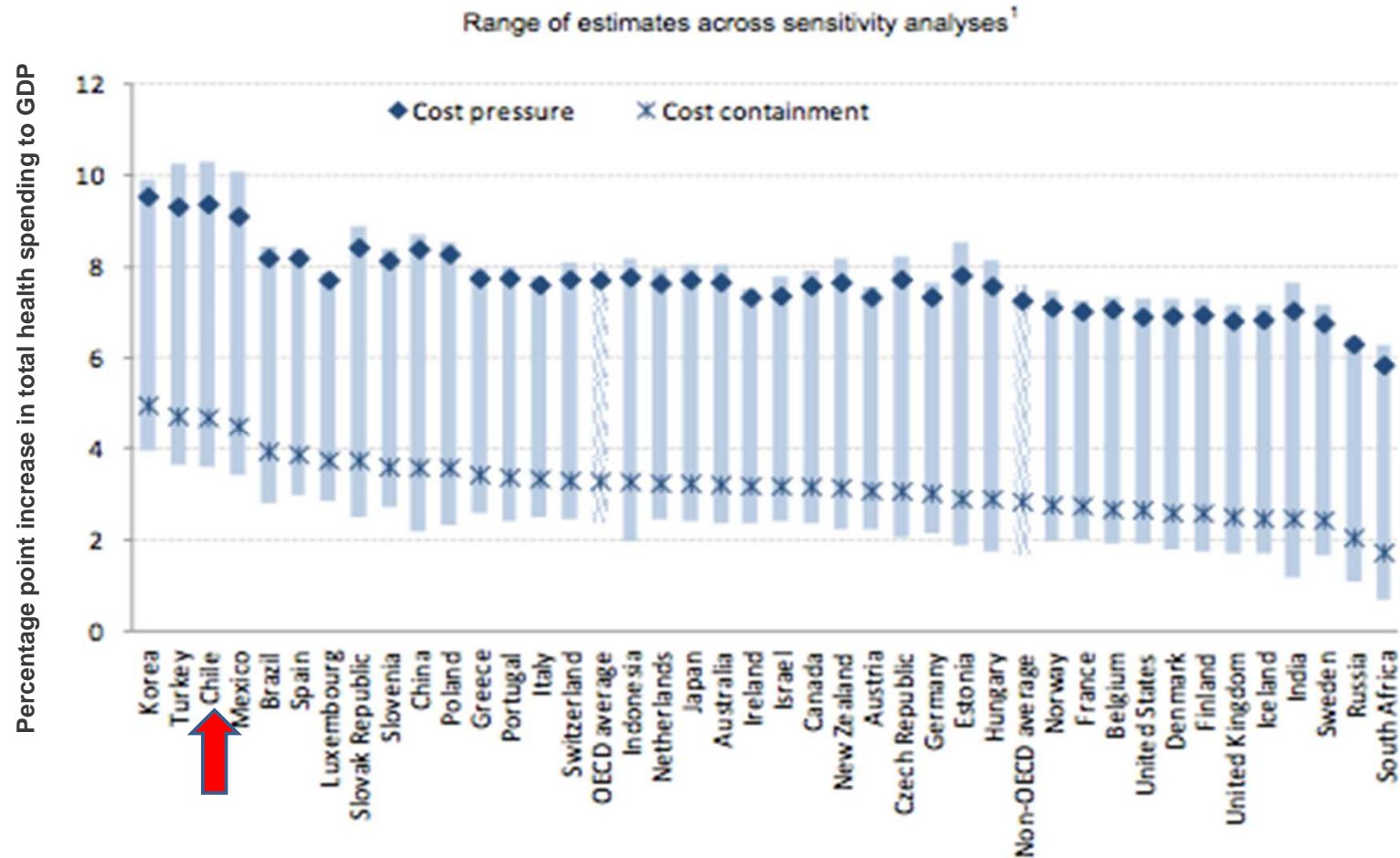
Growth rates for Australia, Denmark, Japan, Mexico and Slovak Republic refer to 2009-10 instead of 2009-11  
Growth rates for 2009-11 are not available for Luxembourg, and Turkey.  
Growth rates for Chile calculated using the Consumer Price Index (CPI).

Source: OECD Health Data 2013.



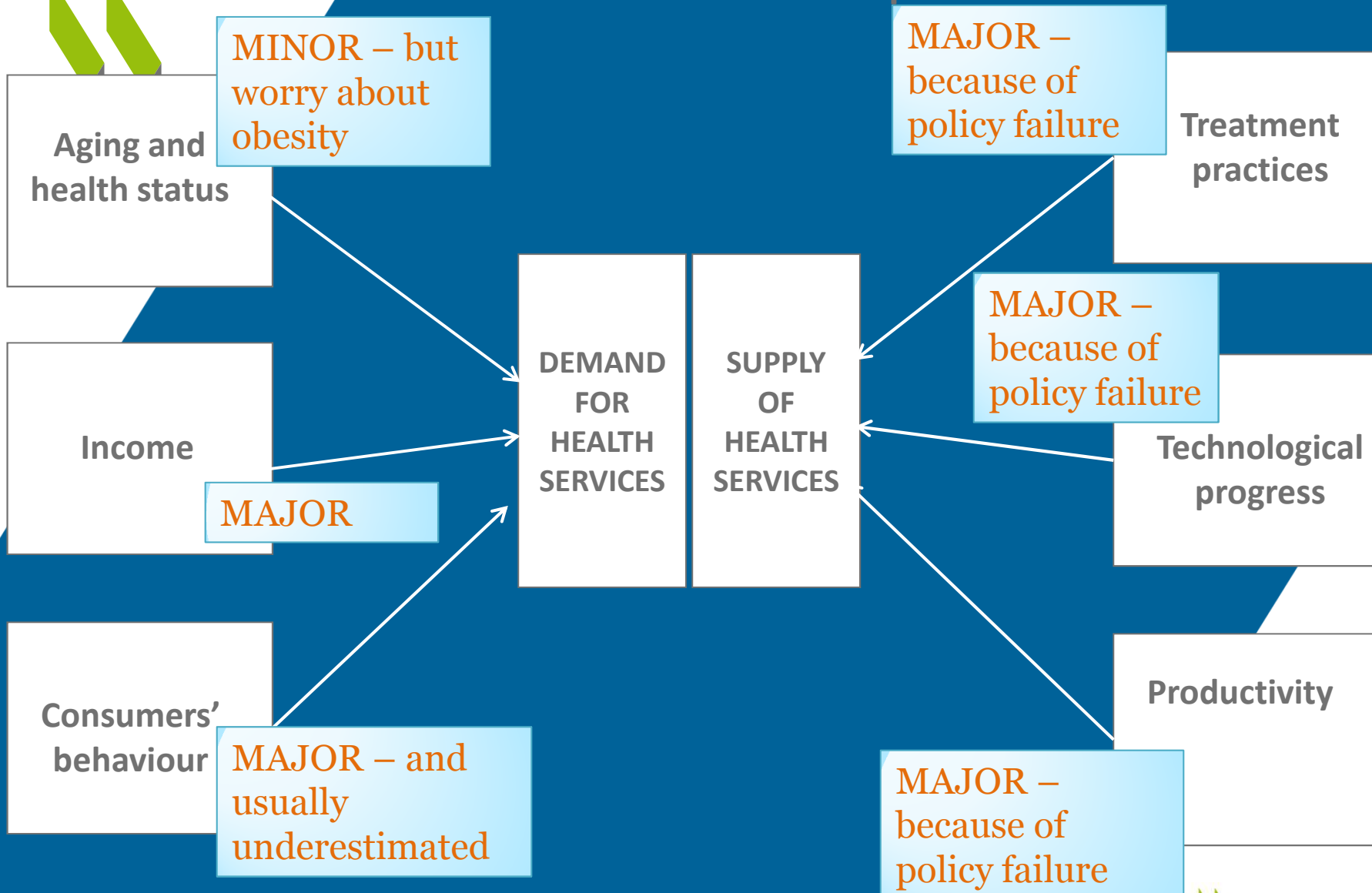
# Even conservative projections suggest health spending will continue to grow

Percentage point increase in total public health and long term care spending, 2010- 2060



**Note:** The vertical bars correspond to the range of alternative scenarios, including sensitivity analysis. Countries are ranked by the increase of expenditures between 2010 and 2060 in the cost containment scenario. Source: La Maisonneuve and Oliveria Martins, OECD Economics Department

# Drivers of health expenditure







## What are our options?

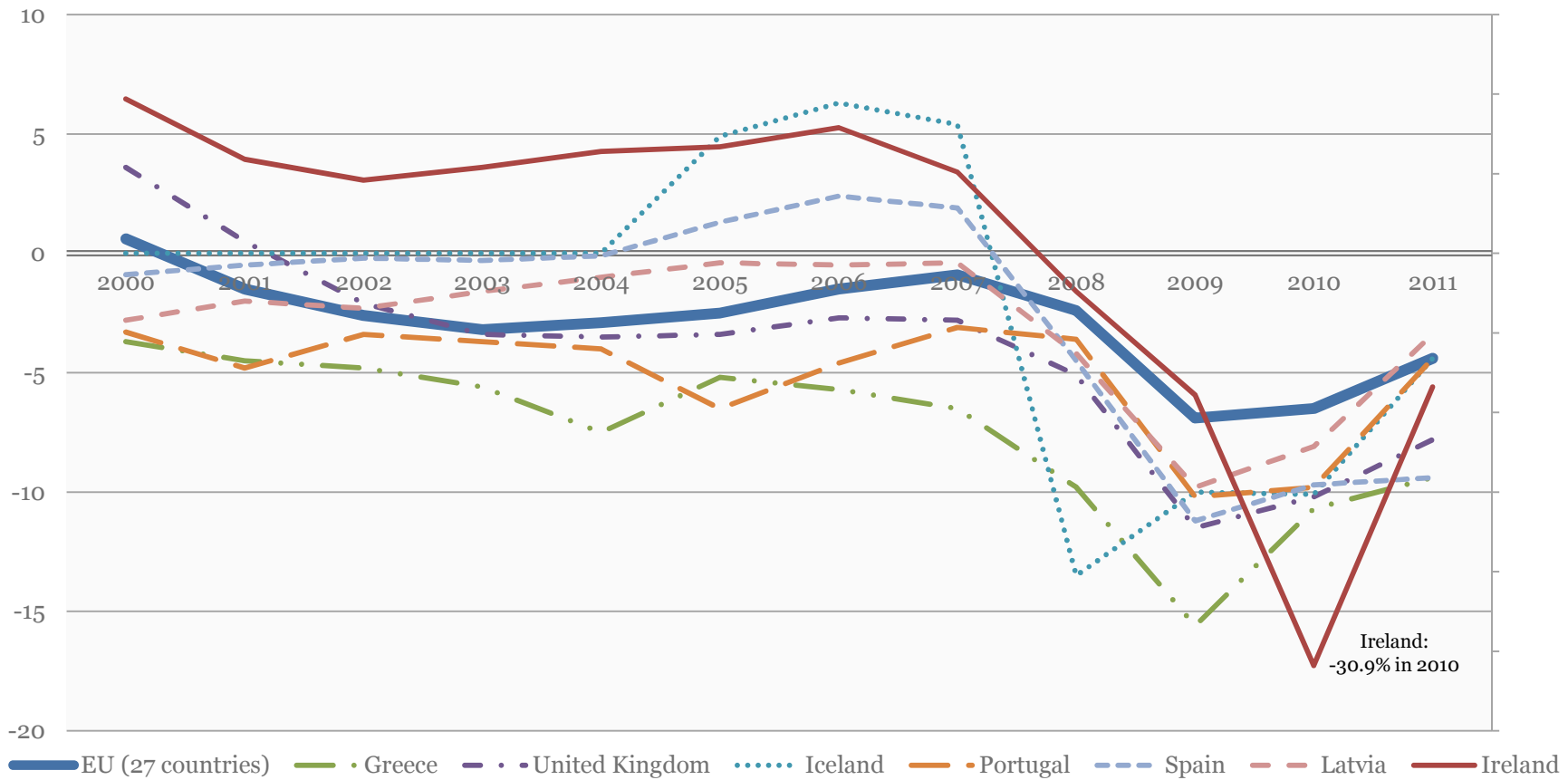
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1. Do less
2. Fund the increase through more taxes
3. Divert money from other areas of spending
4. Get more private finance into the system
5. Do things better – more health for our money



# Public finances: huge deficits at the moment

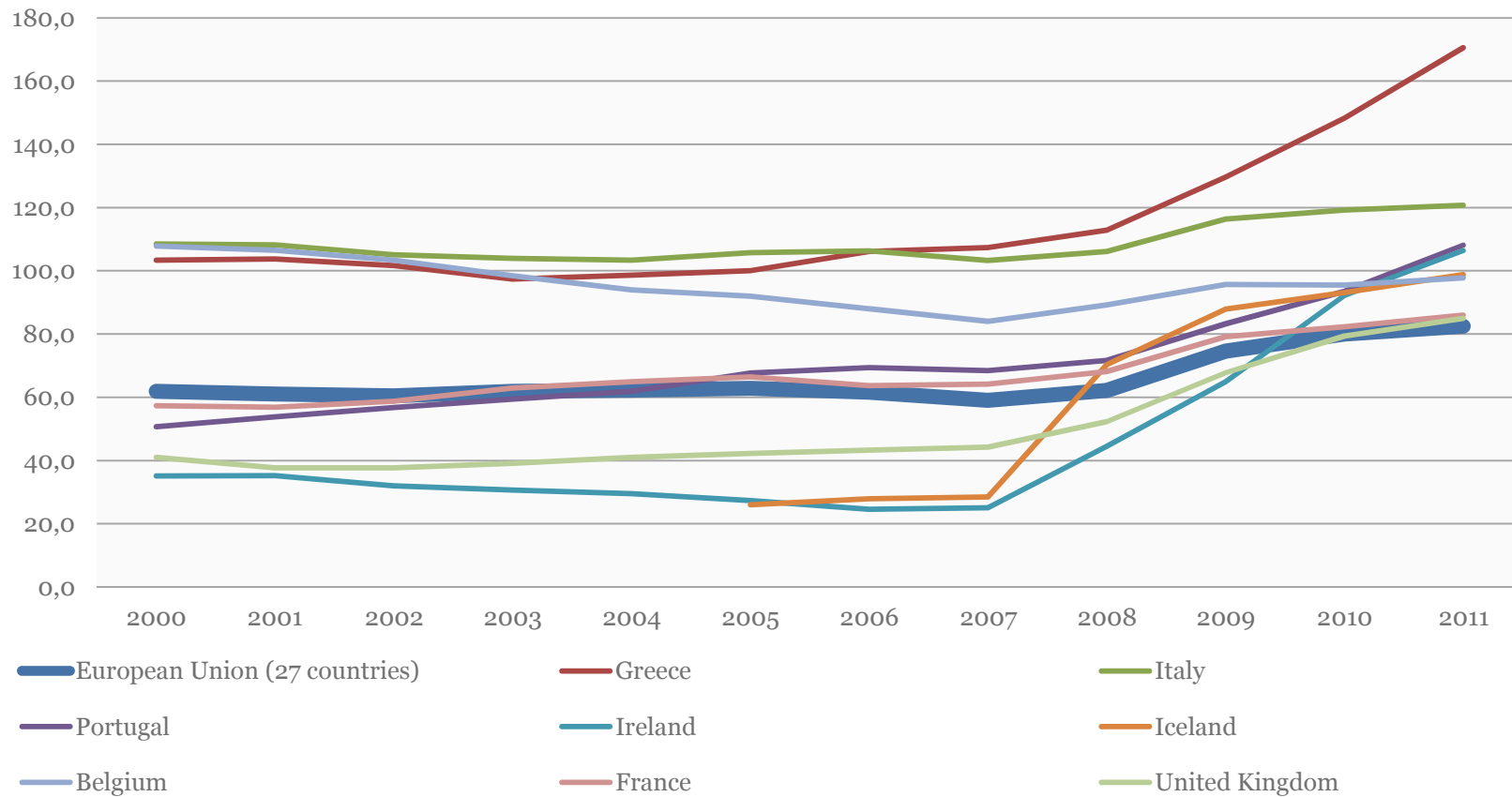
Annual deficit or surplus as a % of GDP (selection of countries with largest deficits in 2010)





# Debt ratios starting to look troublesome

Public debt to GDP ratio, (Eurostat)





## What are our options?

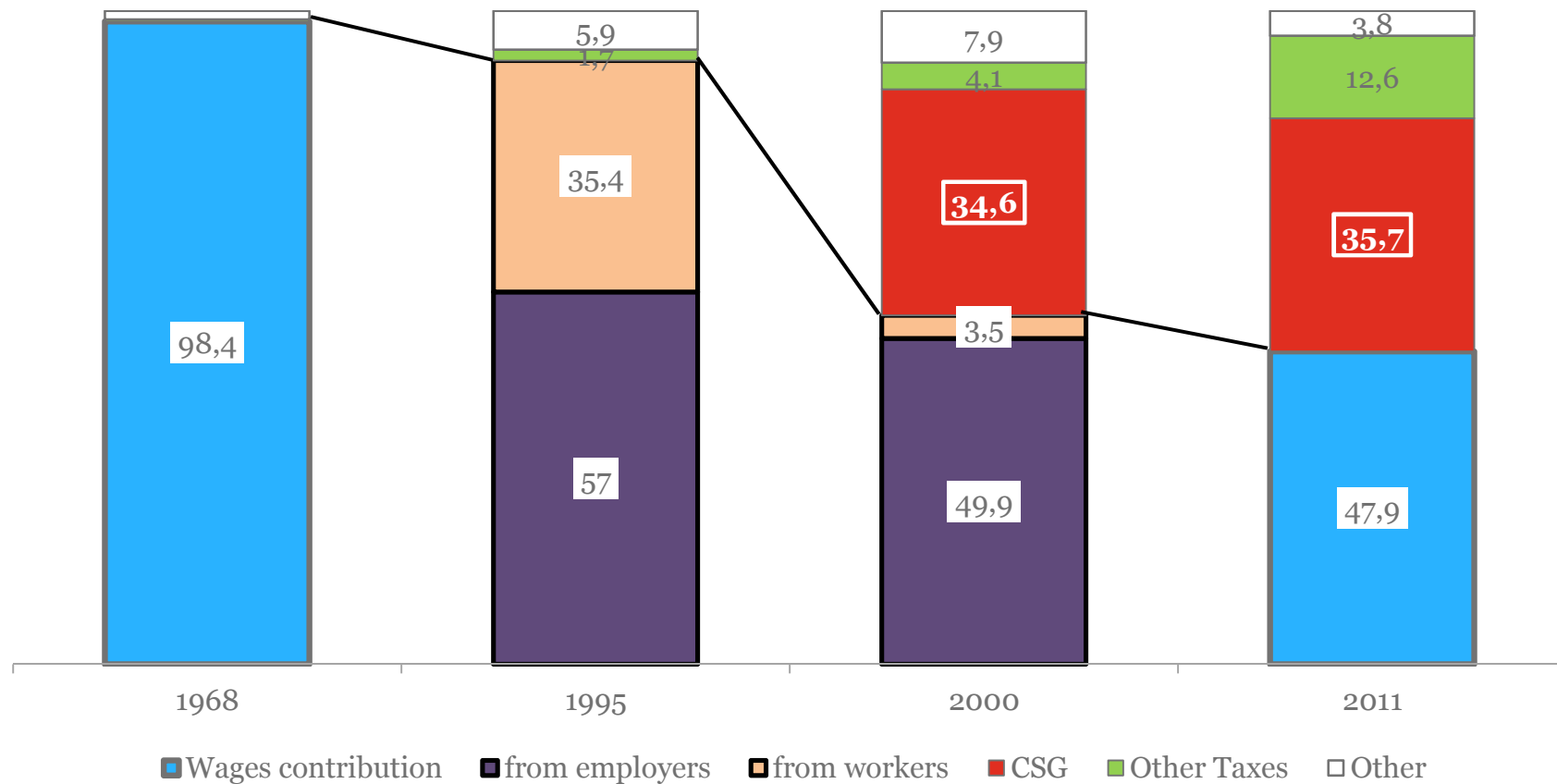
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# A transformation in financing?

Evolution of revenues for the CNAMTS (as % of total resources)



Source: CNAMTS, CCSS





## What are our options?

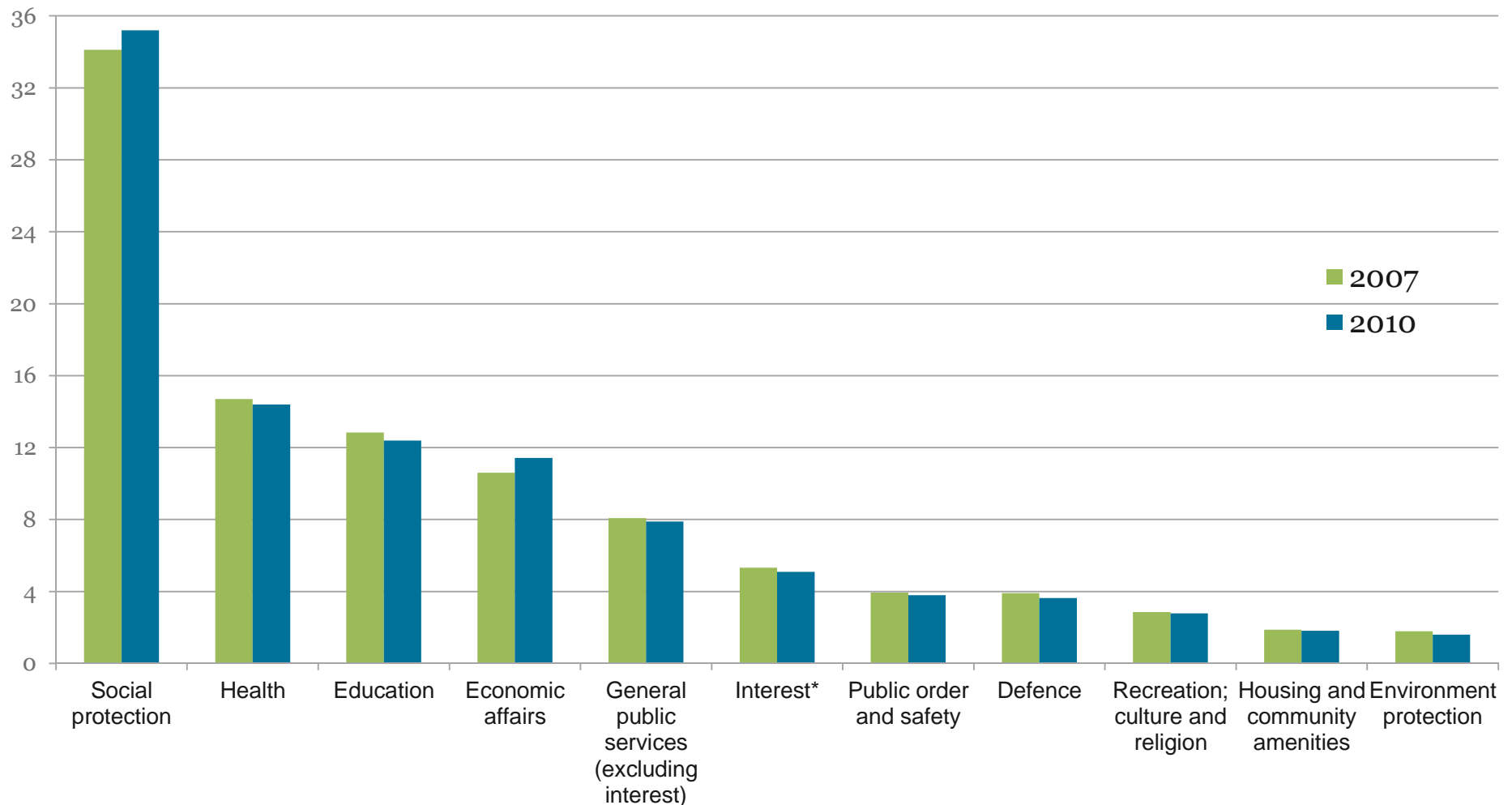
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## Health is the 2<sup>nd</sup> largest area of government spending

Structure of general government expenditures, 2007 & 2010 (% of total expenditures)



Source: OECD Fiscal Consolidation Survey 2012.



## What are our options?

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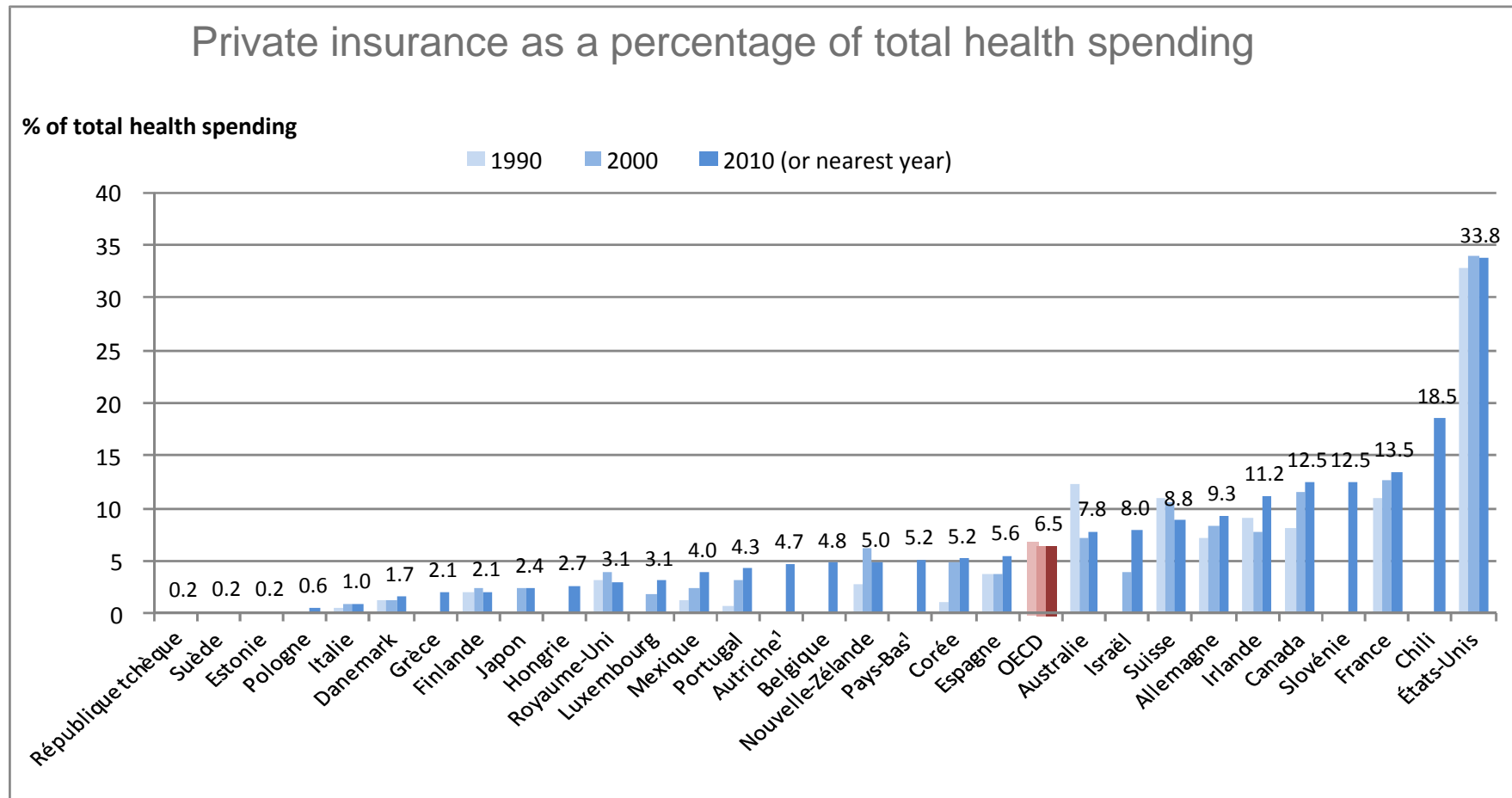


## In the crisis, all the extra private money is coming out-of-pocket

	Percentage of the change in private share of THE that is due to change in OOP	Change in Private share of THE
<b>Russia</b>	109.1%	8.4
<b>Ireland</b>	49.1%	5.8
<b>Montenegro</b>	91.0%	4.8
<b>Macedonia</b>	99.1%	3.0
<b>Armenia</b>	88.3%	2.9
<b>Moldova</b>	44.5%	2.7
<b>Albania</b>	99.8%	2.7
<b>Kyrgyzstan</b>	89.7%	2.3
<b>Latvia</b>	95.3%	2.2
<b>Greece</b>	94.5%	2.2
<b>Iceland</b>	100.7%	1.6
<b>Average of 33</b>	82.5%	1.5



# Not much sign that private health insurance is growing



Source: OECD Health Data



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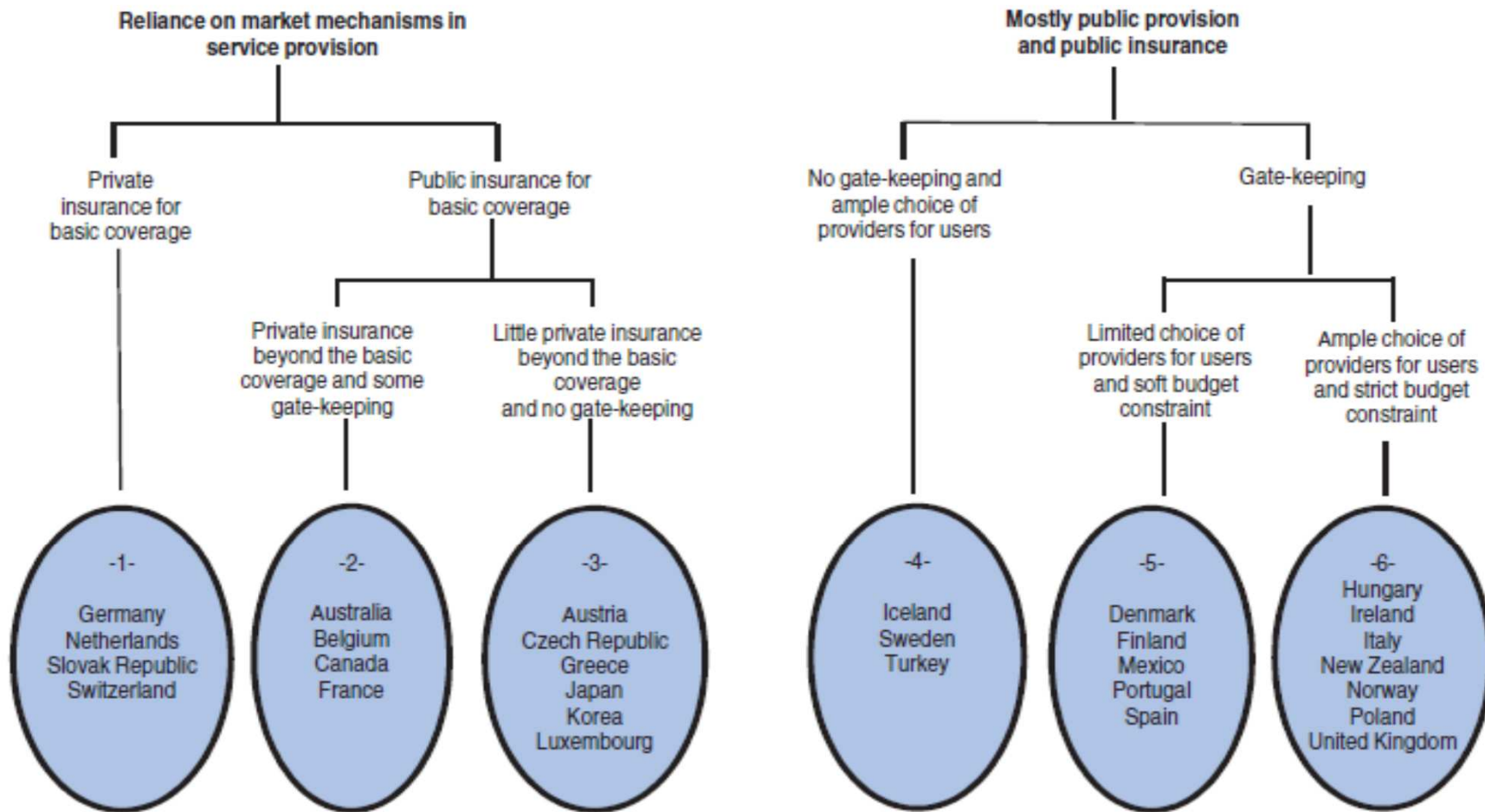
## Bending the cost curve

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- Is there a better system for turning spending into health?



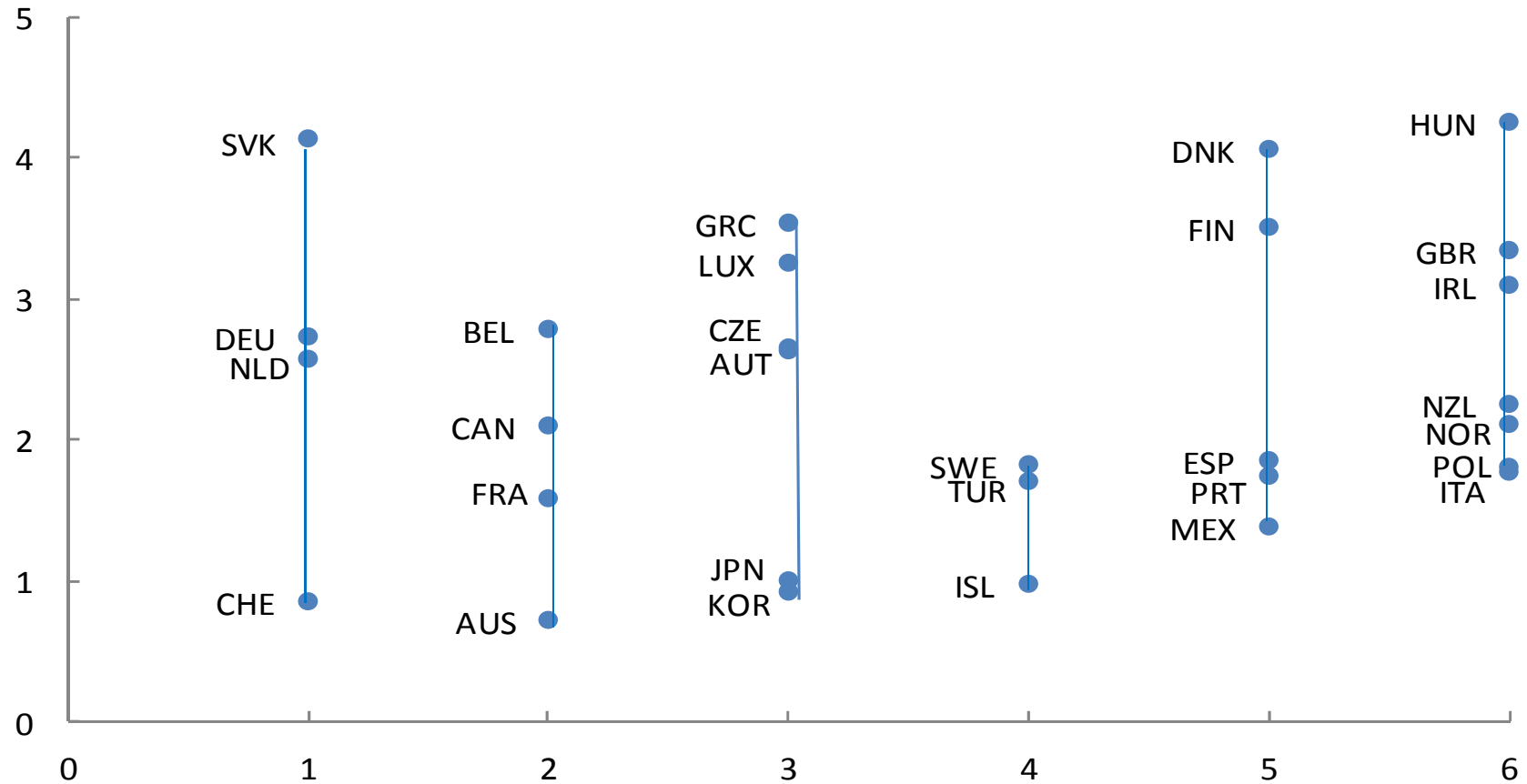
# Groups of countries sharing broadly similar institutions





# Efficiency varies more within groups of countries than across them

Potential gains in life expectancy (years, DEA)





## Bending the cost curve

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- Is there a better system for turning spending into health? **No, so....**
  - a) Quality
  - b) Payment reform
  - c) Workforce



## The Quality Challenge according to the IOM

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‘[Our] health care system has become far too complex and costly to continue business as usual.’

- ... ‘Pervasive inefficiencies...’
- ... ‘inability to manage a rapidly deepening clinical knowledge base...’
- ... ‘a reward system poorly focused on key patient needs’

... ‘threaten the nation's economic stability and global competitiveness.’





## A quality focus *could* save health systems lots of money

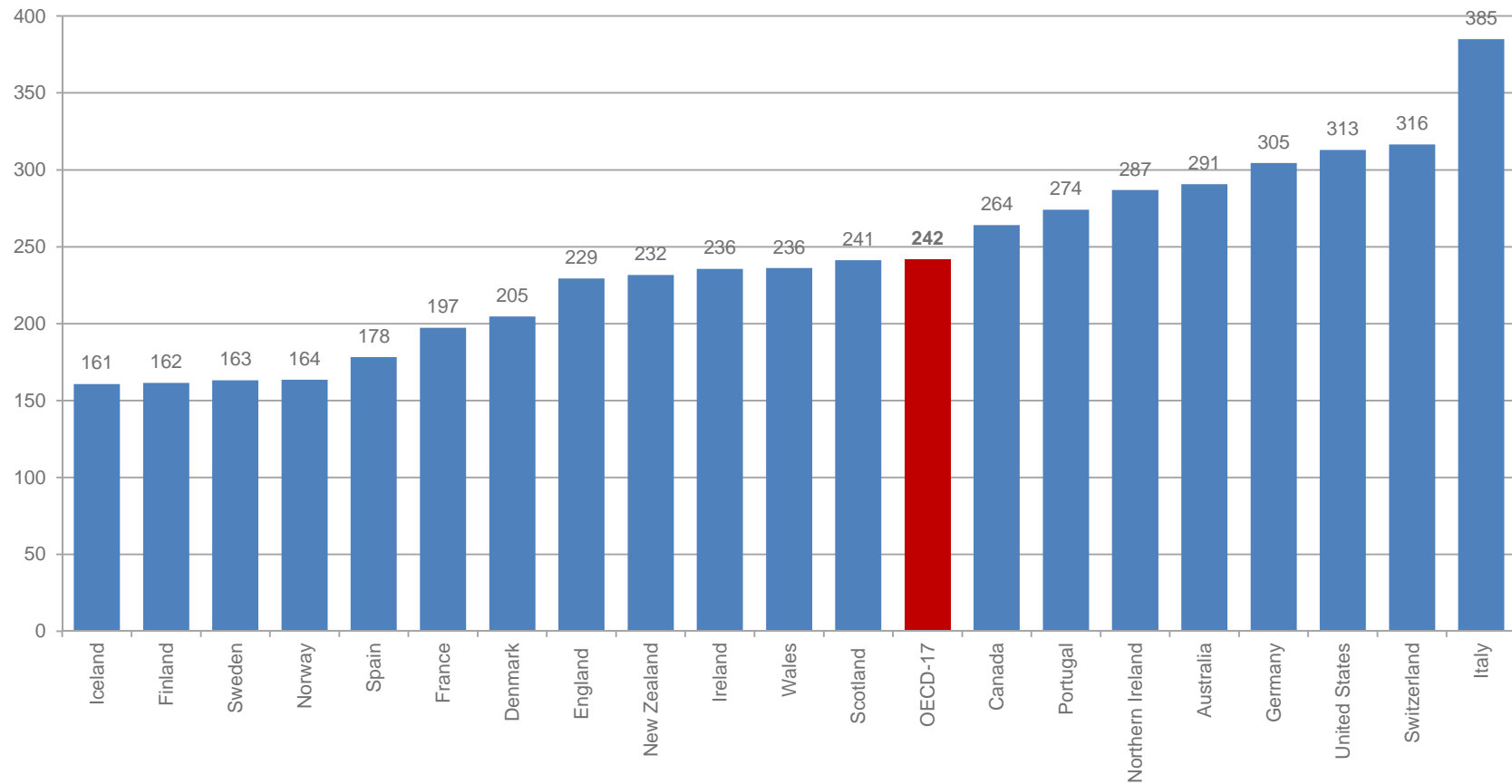
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- Netherlands: adverse events in hospitals cost €165m
- UK: cost of legal payouts due to medical mistakes up to 1.3% of all spending
- Australia: there are 150 interventions still taking place that should not on the basis of clinical evidence



# International variations C-section rates raise questions

Per 1 000 live births



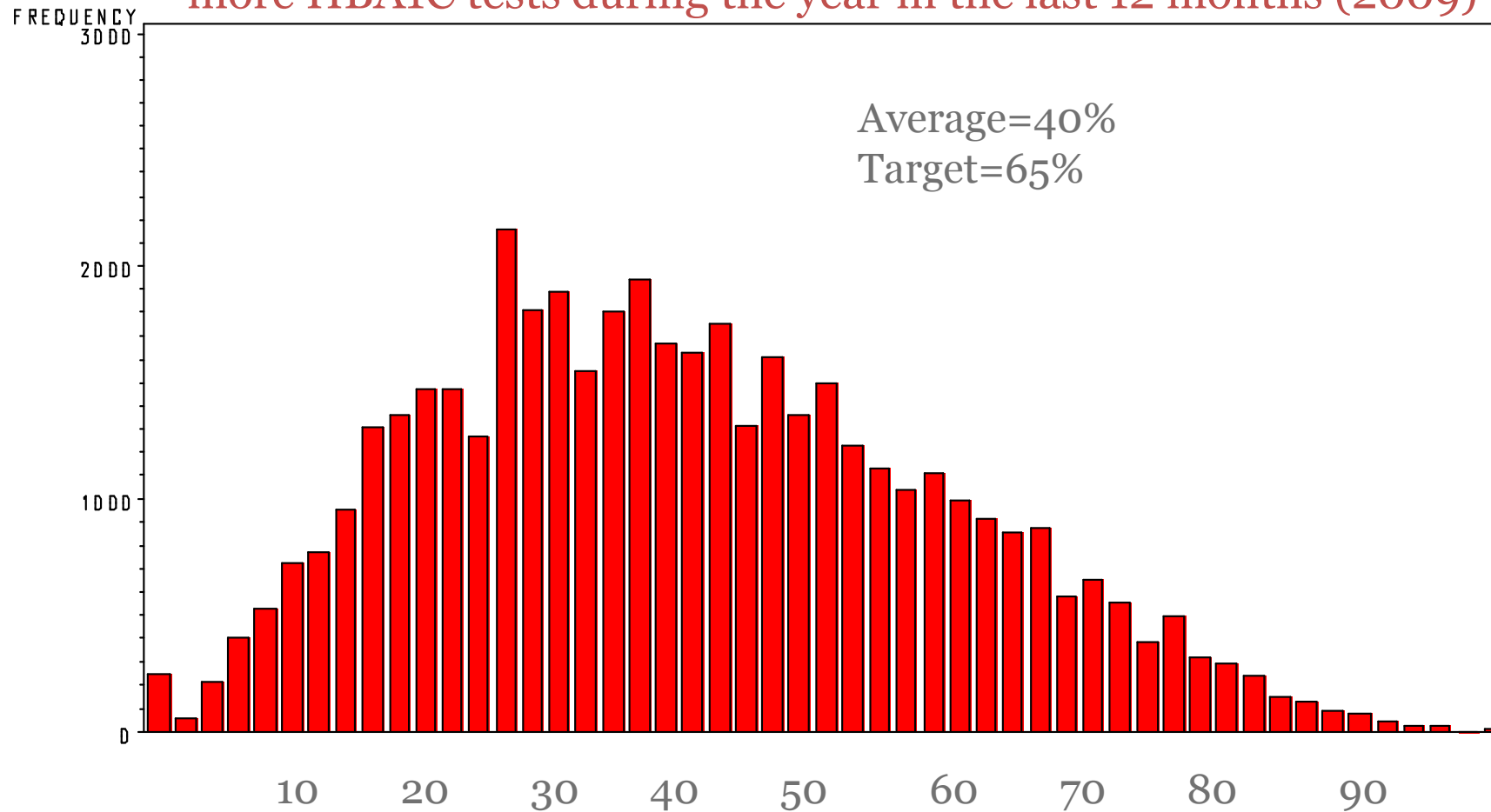
Source: McPherson et al. (2013) International variations in a selected number of surgical procedures – OECD Health Working paper No. 61





# Variations in medical practice

Distribution of French GPs: % of diabetic patients having 3 or more HBA1C tests during the year in the last 12 months (2009)





## So what do we do?

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- *Measure* (Israel: primary care; Denmark: hospital care; Germany: provider level)
- *Co-ordinate* (Norway: intermediate facilities; Denmark: GP co-ordinator in hospitals)
- *Pay* (Korea: avoid FFS; Turkey: child health; Sweden: information)



## Bending the cost curve

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- Is there a better system for turning spending into health? **No, so....**
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# Move to DRGs or similar is general

<b>DRG</b>	<b>Budget and DRG blend</b>	<b>Global Budget</b>	<b>Line item budgets</b>	<b>Procedure based</b>
Australia	Denmark	Czech Republic	Spain	Israel
Austria	New Zealand	Italy		Korea
Belgium	Norway	Luxembourg		
Finland	Poland	Mexico		
France		Portugal		
Germany		Sweden		
Iceland		Canada		
Netherlands		Ireland		
Slovenia				
Switzerland				
United Kingdom				
United States (Medicare)				



## Why did we set down the path of DRGs?

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- Why move to DRGs in the first place?
  - Adjusting output for complexity
  - Economic notion of ‘efficient price’
- For given level of funding, outputs should increase
  - DRGs (activity-based financing) has been used as tool to increase hospital productivity
  - Shorter lengths of stay; increased throughput





## Information is key for all countries

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- Reliable, timely, validated and comparable information is needed on hospital performance no matter what the country's model
- OECD countries moving away from command and control toward a mixed, regulated system with case-based payments and competition among hospitals
  - Less emphasis on output based targets
  - Purchasing agents and patients need information on hospital performance, particularly quality and costs







## There is only so much financing can do

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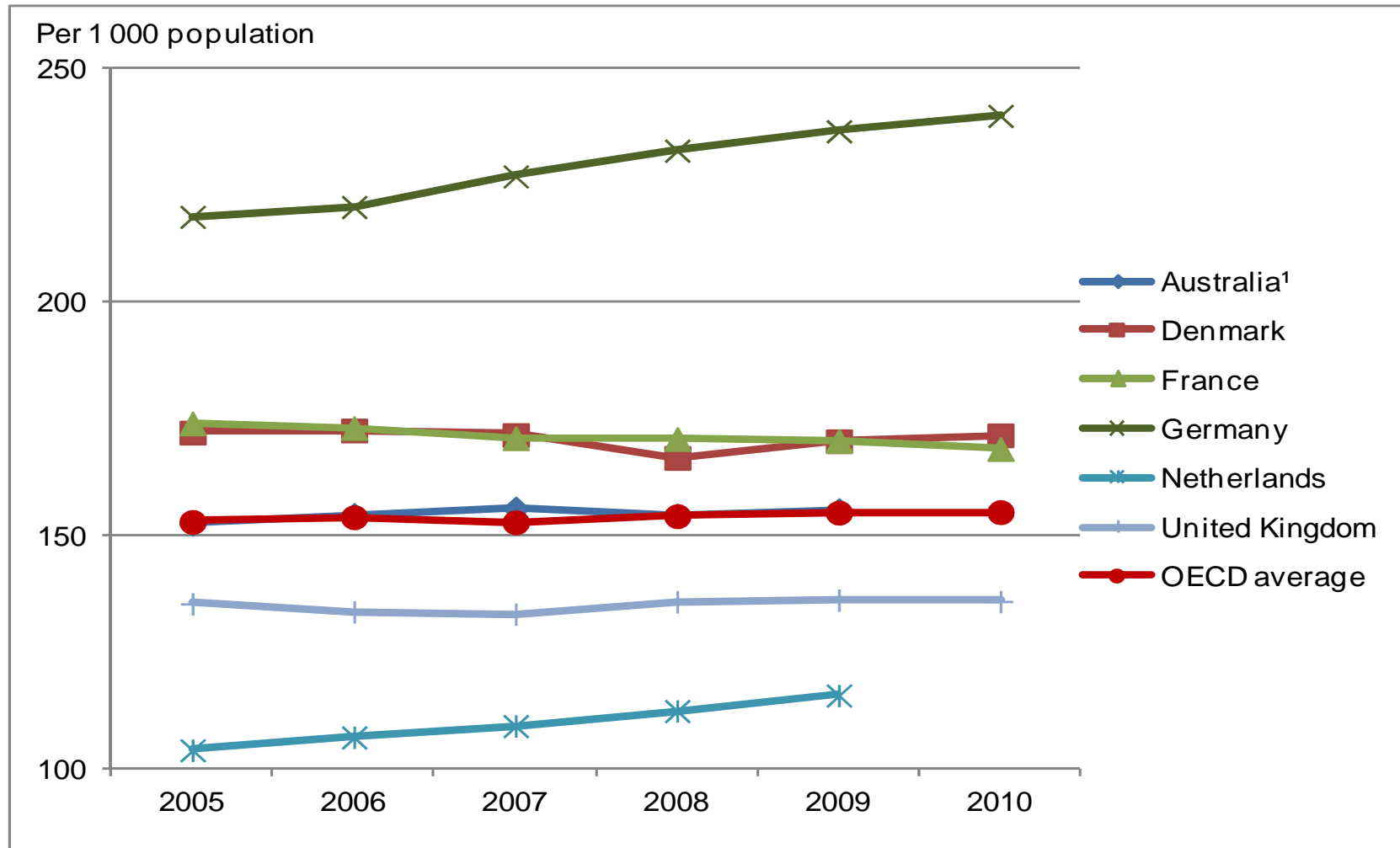
- Outcomes are often related to the whole health system, and hospitals are not totally in control
  - Emergency services are critical for key indicators like mortality rates for myocardial infarction
  - Primary care is critical for quality indicators for chronic diseases like diabetes
- Do hospital managers have the autonomy to drive performance? OECD countries differ greatly:
  - Netherlands, not for profit private hospitals subject to significant reporting obligations, have hiring and firing power though wage setting is limited
  - UK foundation trusts can retain financial surpluses and Local Hospital Networks in Australia





# Strong growth in services since introduction of DRGs

Growth in hospital services over the past five years, select OECD countries





## Future of payment systems

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- More bundling across providers
- More Pay for Performance:
  - Increasingly common in primary care (US, UK, France)
  - Now appearing in hospital payments (Israel, Sweden)

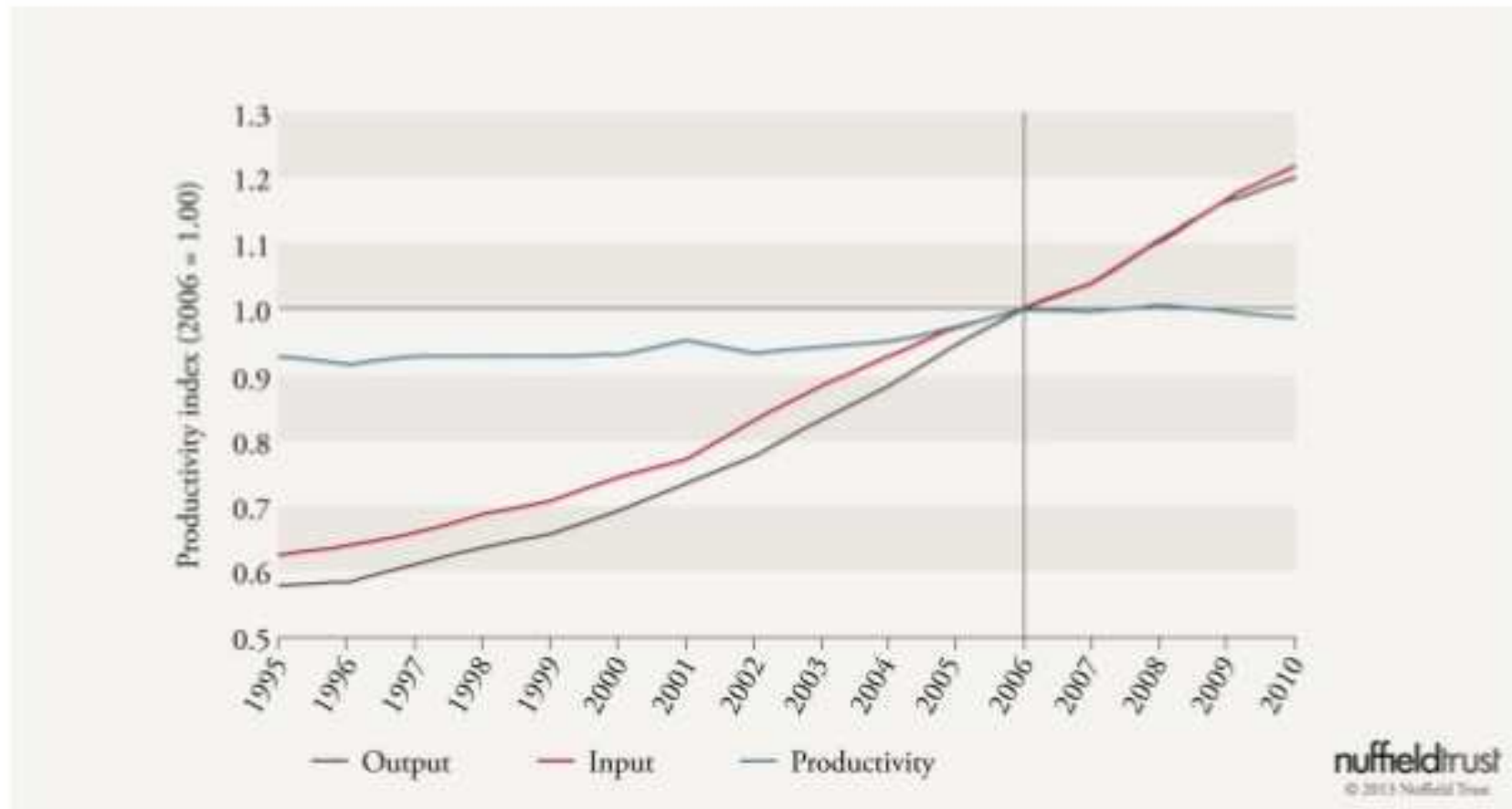


## Bending the cost curve

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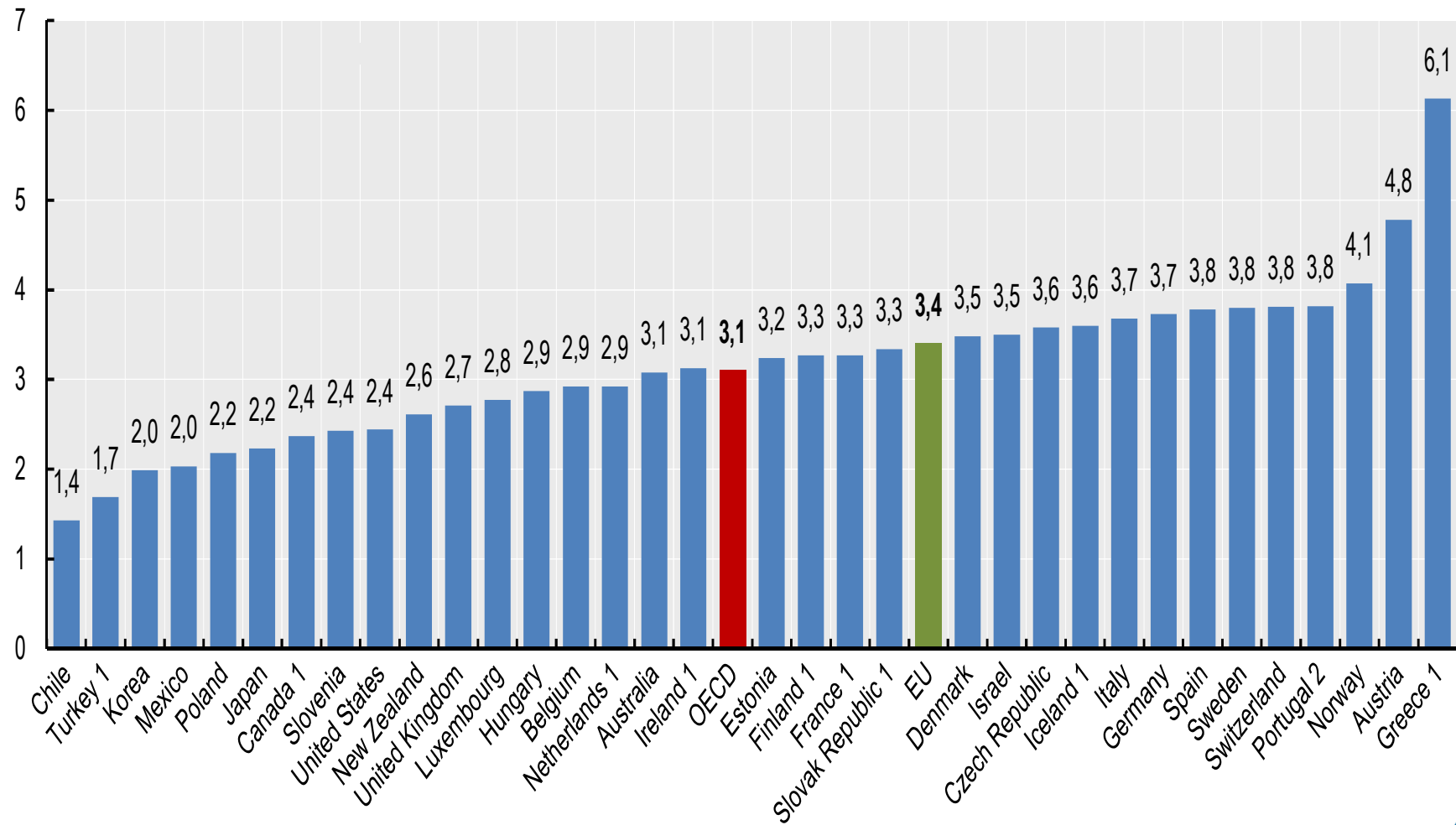
- Is there a better system for turning spending into health? **No, so....**
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# Health Productivity in the UK, 1995-2010



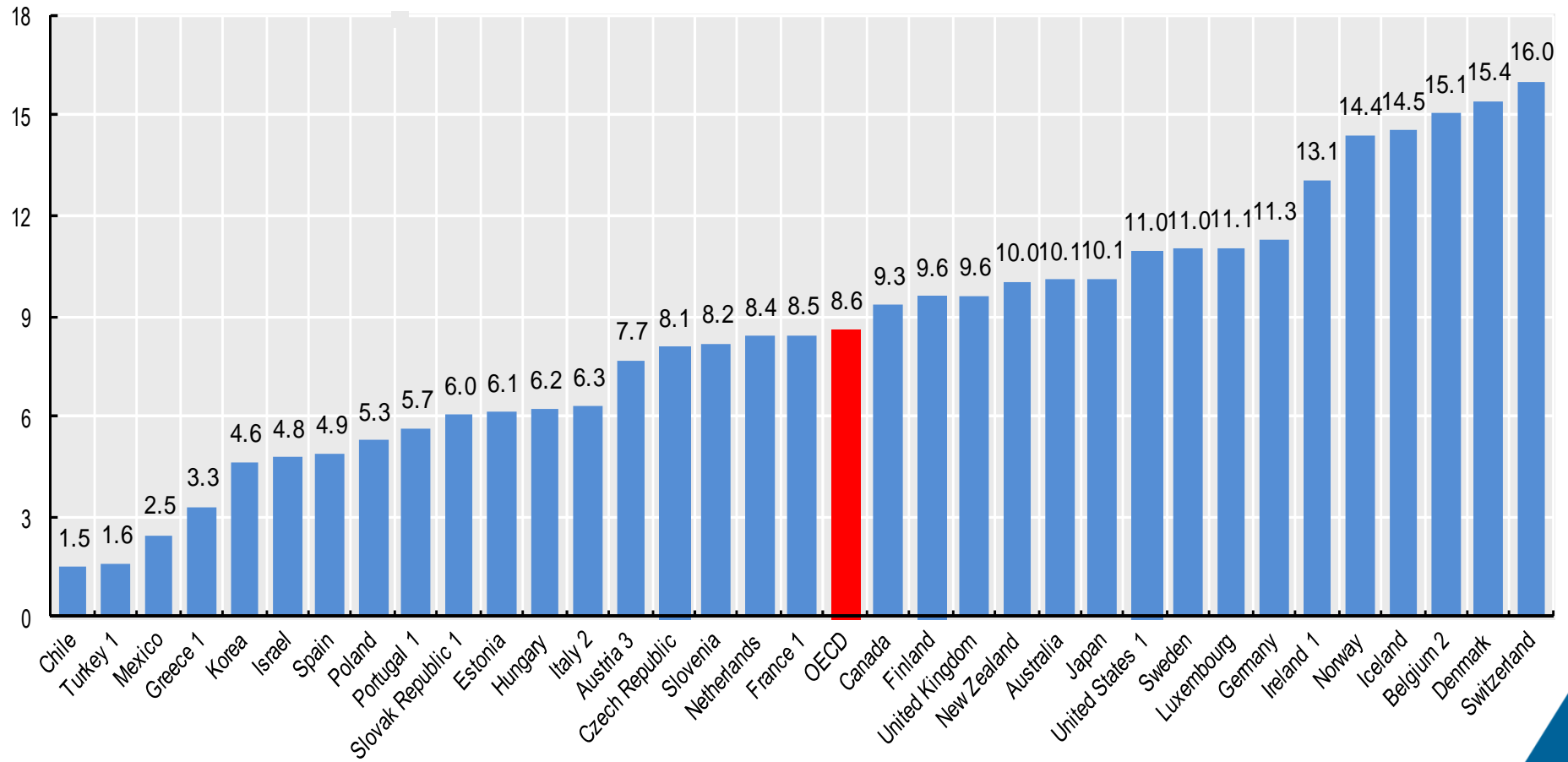


# The health workforce: Doctors (per 1000 population)...





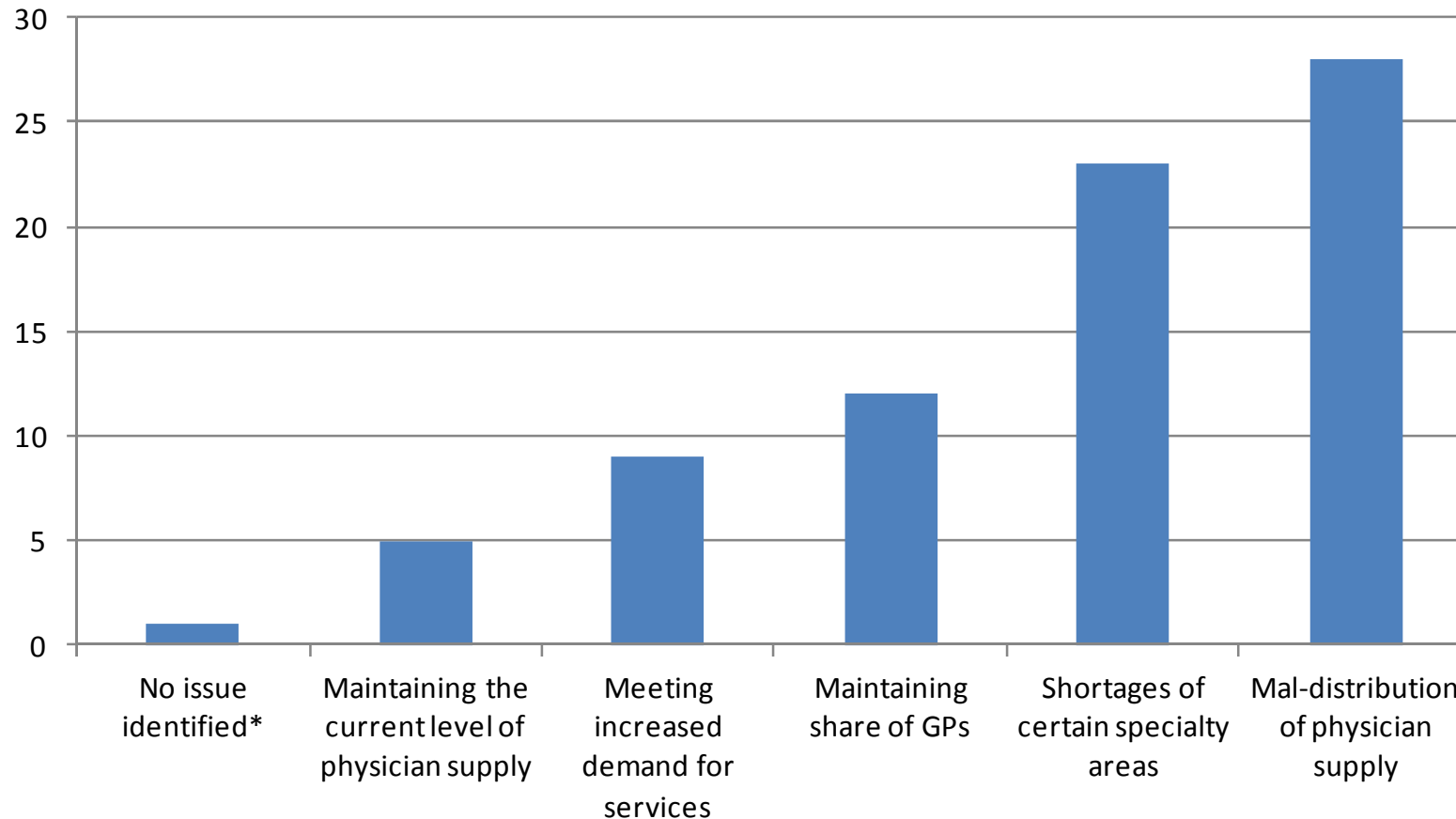
## ...and nurses (per 1000 population)





# The big issue is *not* the number of workers, but the organisation of the workforce

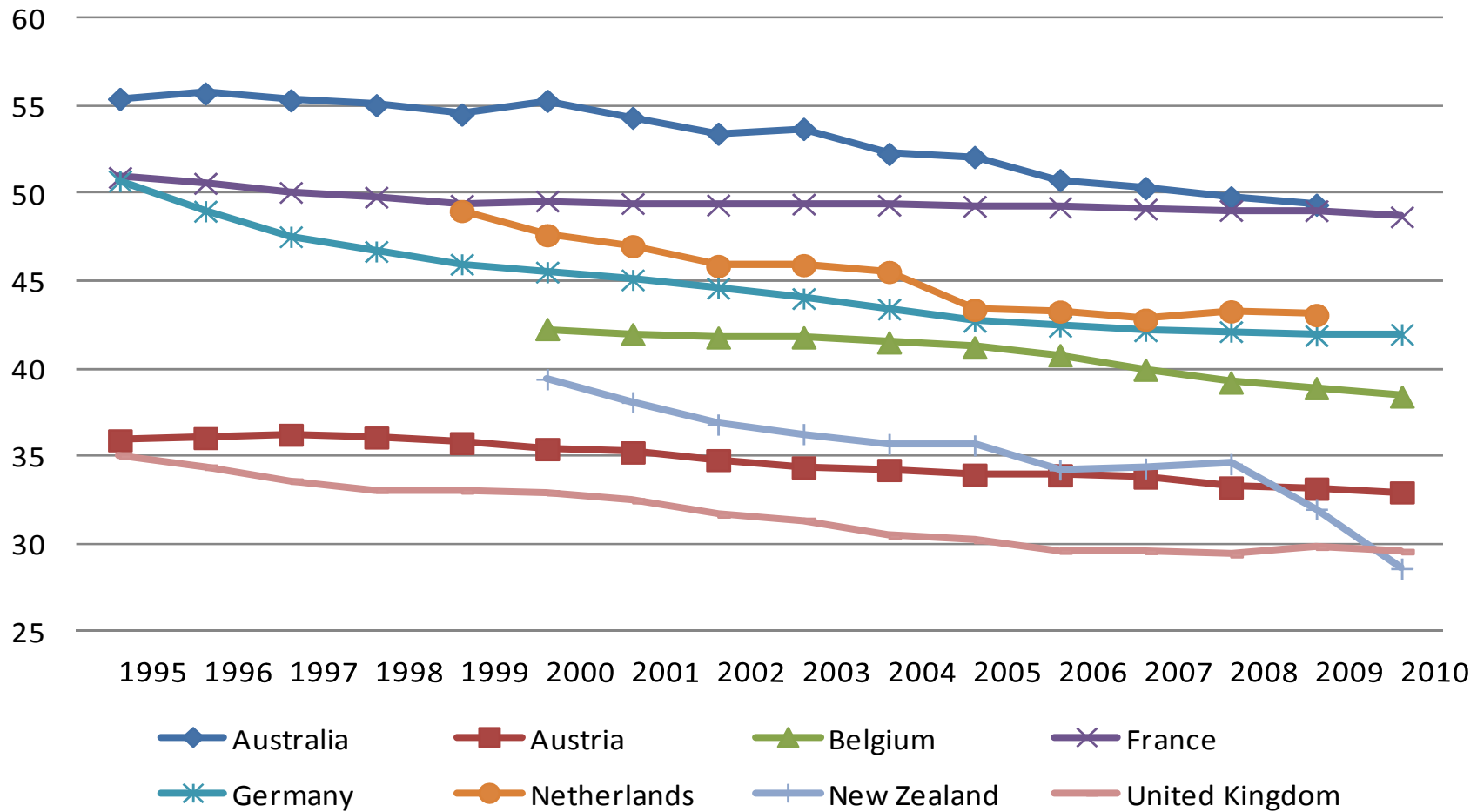
Countries responding that an issue is of major concern





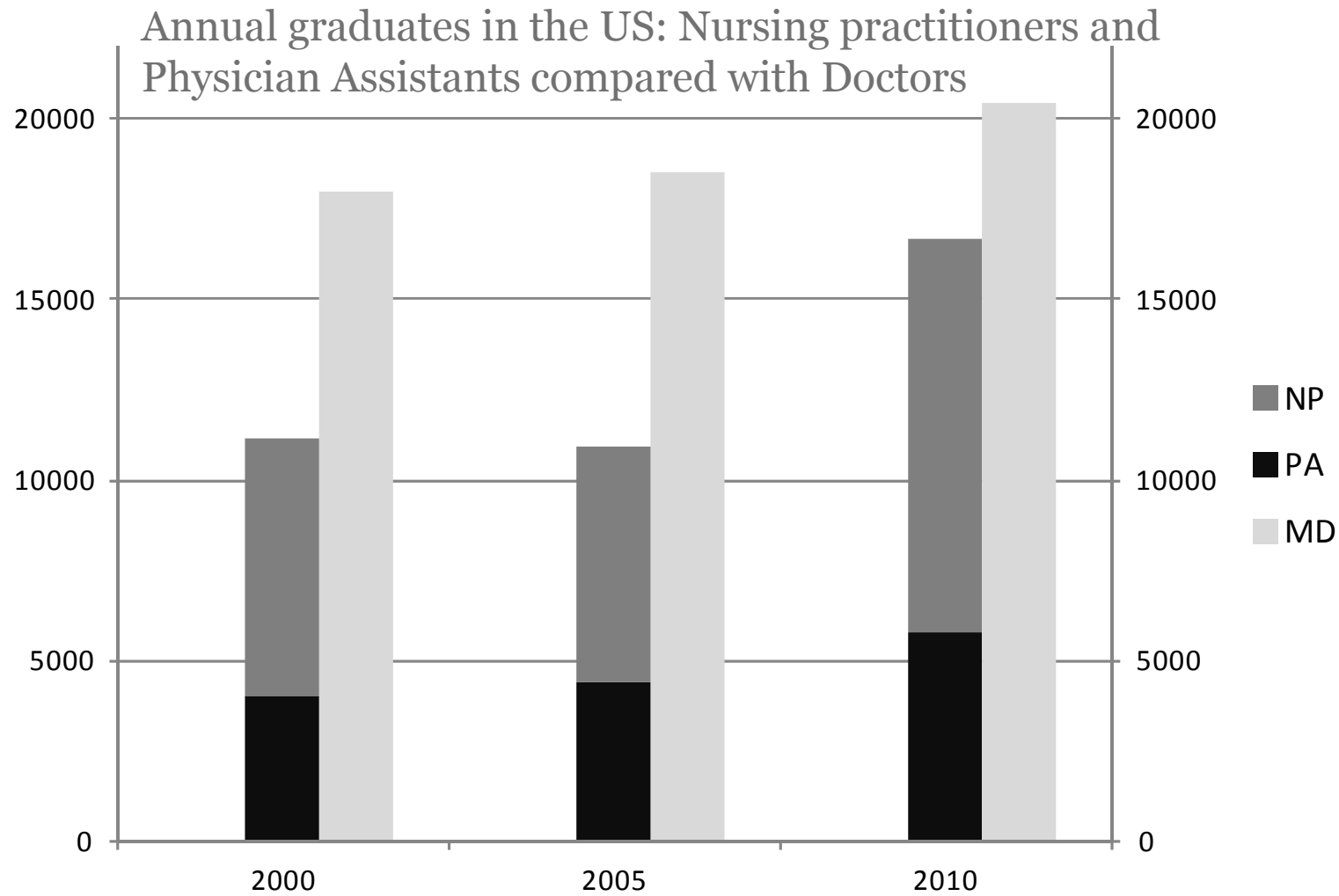


# Share of generalists is falling





# A glimmer of hope – the rise in training of other professionals





Thanks for listening!

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And thanks to Ankit Kumar, Roberto  
Astolfi, Michael Schoenstein,  
Valerie Paris,  
[Mark.pearson@oecd.org](mailto:Mark.pearson@oecd.org)

Find lots of data at:  
[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata)