Euro Cardiovascular Healthcare Index 2008
(Euro Consumer Heart Index 2008)

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Background of study

- **Study commissioned by Health Consumer Powerhouse**
  - Swedish-based organization
  - Provider of consumer information and analysis in healthcare
  - Has published regional Indexes and the **Euro Consumer Healthcare Index** since 2004
  - All findings openly published and freely available on www.healthpowerhouse.com
  - Study funded by unrestricted grant from Pfizer, Inc.

- **The MAIN objective: increase healthcare transparency and consumer empowerment.**

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Euro CVH Index 2008
Expert Reference Panel

- **Prof. Dr. Renata Cífková, Institute for Clinical and Experimental Medicine, Prague**
- **Prof. Dr. Nicholas Karatzas, Athens**
- **Prof. Dr. Ulrich Keil, University of Münster**
- **Prof. Dr. Philip Poole-Wilson, Imperial College, London**
- **Prof. Dr. Felix Unger, Paracelsus University, Salzburg**
- **Prof. Dr. Lars Wilhelmsen, Sahlgrenska University, Gothenburg**

Methodology (1)

- **Overall picture of cardiovascular care seen from the consumer's/patient's point of view (hard *and* soft data)**

- **Concentrates on indicators reflecting performance of healthcare systems**

- **All 27 EU member states + Switzerland & Norway**

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Methodology (2)
Indicators

- **28 indicators in 5 sub-disciplines:**
  - **Information, consumer rights, choice (125)**
  - **Access (125)**
  - **Prevention (250)**
  - **Procedures (150)**
  - **Outcomes (350)**

- **Numbers denote the contribution of a perfect subdiscipline score to the maximum total score of 1000. This weighting set after discussion with Expert Reference Panel.**

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Methodology (3): Sources
"any source that can provide reasonably solid data"

- **Indata not symmetric for all countries - multiple data sources on the same indicator frequently used.**

- **CUTS:** **Comprehensive Uniform Trustworthy Source**

  - **On any indicator where data could be found from one single source based on a well-defined methodology such as WHO databases, OECD Health data, Special Eurobarometers, or scientific papers, CUTS data was used**

- **European healthcare suffers from an extreme CUTS shortage!**

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Methodology (4)
Verification

- Extensive work to establish national contacts with cardiac societies, Ministries of Health, National Health Boards, etc.

- MoH's / National Health Agencies were given the opportunity to validate/update their national data and scores

- Survey to patients and Patient Organisations on 11 of the 28 indicators; 350 responses for the Euro CVH Index 2008.

Methodology (5): Scoring system

- **National scores in three grades on each indicator:**

  - **3** (green): good (**i**)

  - **2** (amber): intermediate (**▌**)

  - **1** (red): not-so-good (**h**); "n.a." = **1**

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Euro Consumer Heart Index 2008

For more info please visit: www.healthpowerhouse.com

Heart Index at a glance:
Winner: Luxembourg
Second: France
Third: Norway

Sub category winners:

Information, consumer rights, choice:
Denmark
Austria
Slovenia

Access:
Belgium
France
Luxembourg
Malta
Switzerland

Prevention:
France

Procedures:
Norway
United Kingdom

Outcomes:
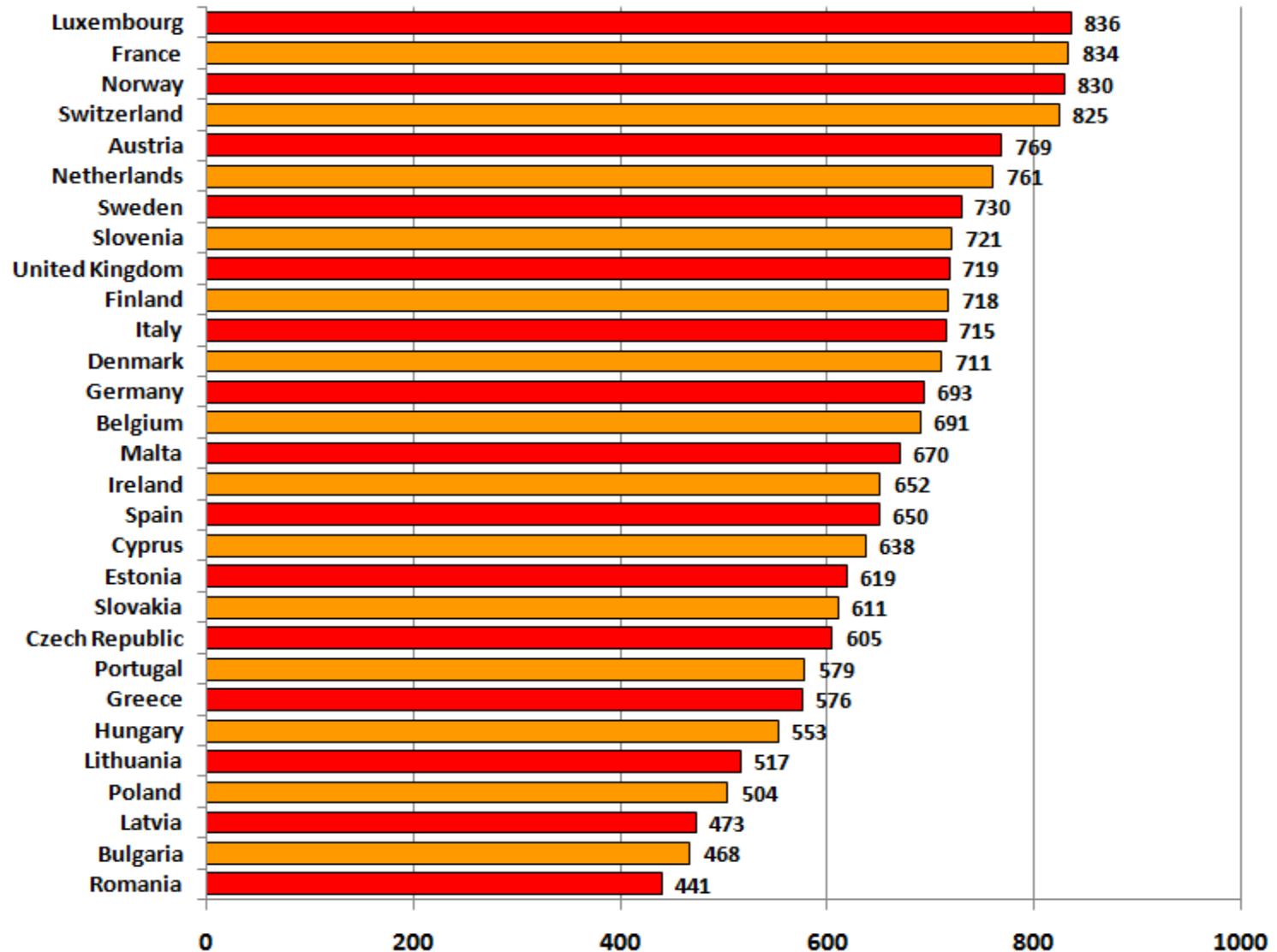Luxembourg
Switzerland

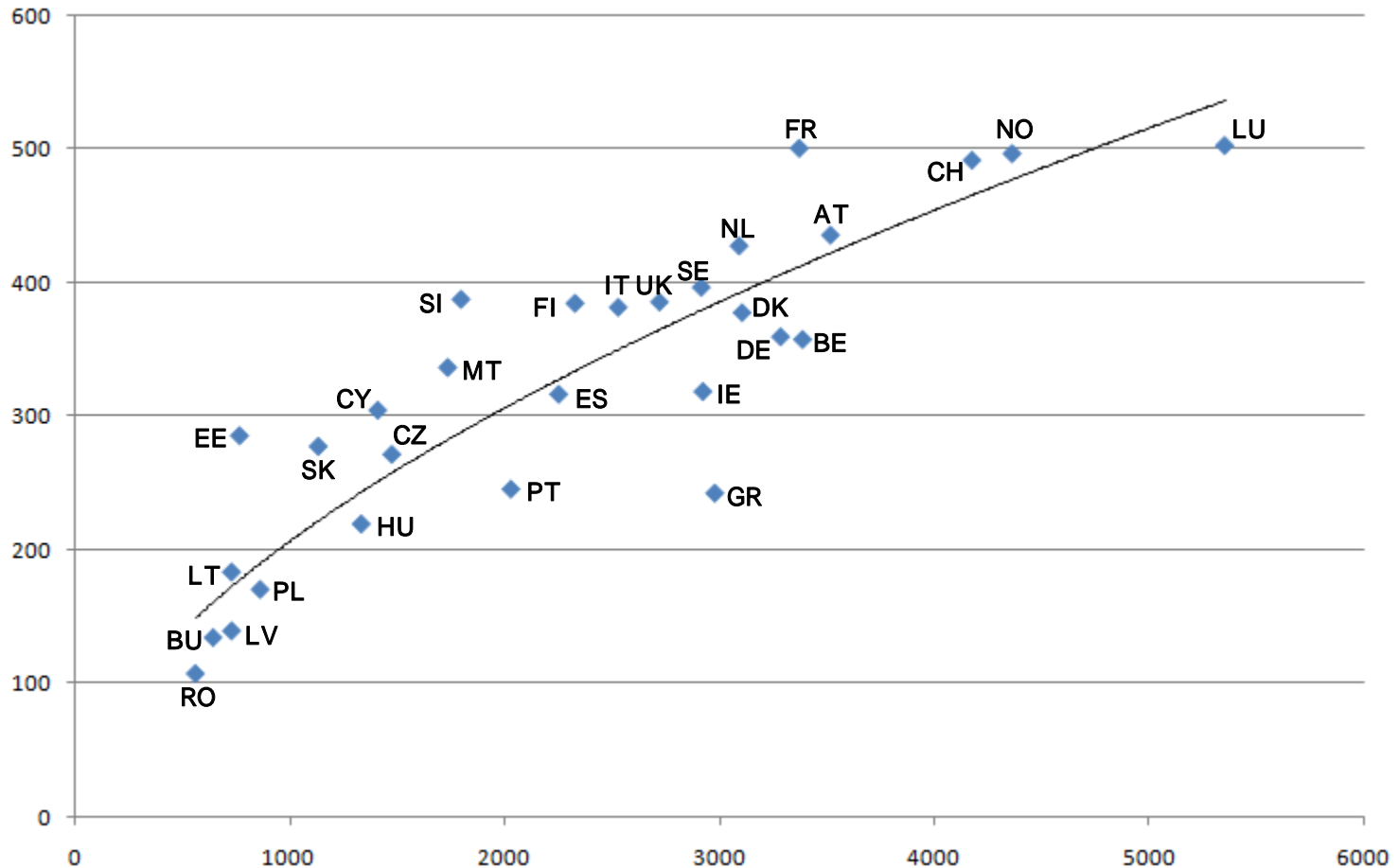| SUBDISCIPLINE	INDICATOR	Austria	Belgium	Bulgaria	Cyprus	Czech Republic	Denmark	Estonia	Finland	France	Germany	Greece	Hungary	Ireland	Italy
Information, consumer rights, choice	Quality information about CVH care providers?														
	Right to choose among providers, domestic														
	Right to choose among providers, EU														
	Letters (e.g. from specialist to GP) copied to patients														
	Subdiscipline score	9	5	6	5	7	9	7	7	7	6	4	6	7	8
Access	Number of centers per million population with 24-hour PCI														n.a.
	Same-day access to doctor for chest pain														
	Same-day access to echocardiography and diagnostics for suspected heart disease														
	Waiting time for non-acute CABG/ PCI														
	Subdiscipline score	11	12	8	11	11	9	11	11	12	11	6	11	7	8
Prevention	National CVD screening programme?														
	HC providers incentivised for preventive measures?										n.a.				
	Hypertension; mean systolic pressure														
	Smoking cessation assistance														
	Smoking restrictions														
	Exercise in compulsory school														
	Diet: Fruit & vegetable consumption														
	Obesity														
	Subdiscipline score	16	18	12	16	11	16	16	16	21	13	14	1?		
Procedures	Ambulance swiftness														
	"Door to needle" time		n.a.												
	Reperfusion (Thrombolysis/PCI)														
	Medication; statins				n.a.										
	Medication; clopidogrel				n.a.										
	Pre-hospital thrombolysis														
	Defibrillators available in public places?														
	Subdiscipline score	16	13												
	AMI 30-day case fatality														
	Ischaemic stroke 30-day case fatality														

9

Euro CVH Index 2008 – total scores

Country	Score
Luxembourg	836
France	834
Norway	830
Switzerland	825
Austria	769
Netherlands	761
Sweden	730
Slovenia	721
United Kingdom	719
Finland	718
Italy	715
Denmark	711
Germany	693
Belgium	691
Malta	670
Ireland	652
Spain	650
Cyprus	638
Estonia	619
Slovakia	611
Czech Republic	605
Portugal	579
Greece	576
Hungary	553
Lithuania	517
Poland	504
Latvia	473
Bulgaria	468
Romania	441

Euro CVH Index 2008 –
total scores *vs.* healthcare spend per capita (PPP$)

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Euro CVH Index 2008
Sub-discipline best scores

Info & choice (125)

1. Austria	94
1. Denmark	94
1. Slovenia	94
4. several states	83

Prevention (250)

1. France	219
2. Belgium	188
2. Italy	188
4. Norway	177
4. U.K.	177

Procedures (150)

1. Norway	129
1. U.K.	129
3. Luxembourg	121
3. Netherlands	121
5. several states	114

Outcomes (350)

1. Luxembourg	350
1. Switzerland	350
3. Netherlands	327
3. Norway	327
5. FR, IT, Swe	303

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12

"Level of Attention to the Problem" and Healthcare expenditure
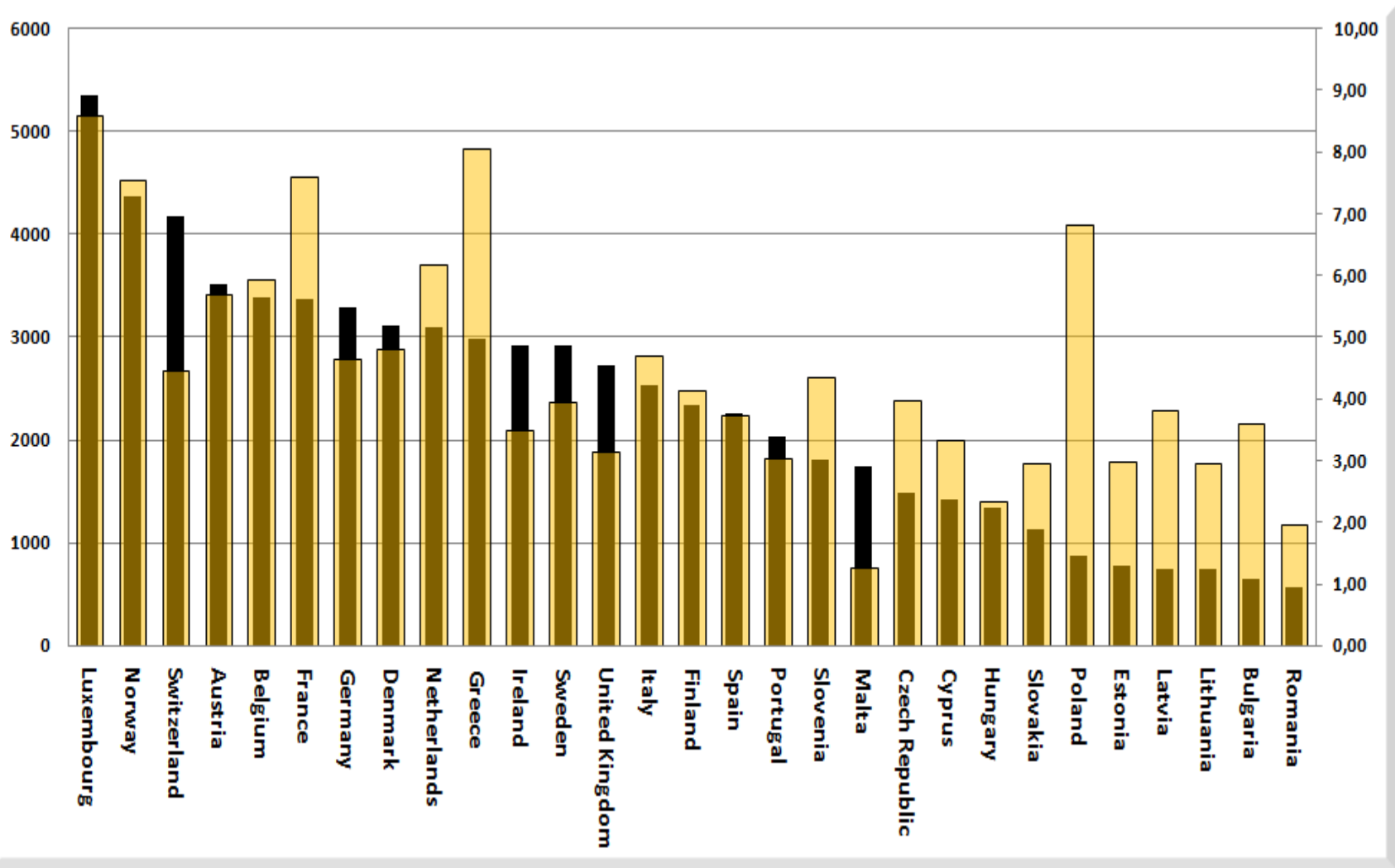
Dark narrow bars: Healthcare spend per capita (PPP$; left Y-axis)
Light broad bars: Hospital discharges for Ischaemic Heart Disease divided by the number of IHD deaths (data from WHO-HfA databases)

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Medication

State	SDR ischaemic heart disease	Statin use per capita	Clopidogrel use per capita
France	41,6	i	i
Spain	56,3	l	l
Portugal	56,9	i	i
Netherlands	64,0	i	h
Luxembourg	67,1	i	i
Slovenia	68,2	l	h
Italy	72,4	h	h
Switzerland	72,4	l	l
Greece	76,3	l	i
Cyprus	77,8	n.a.	n.a.
Norway	79,1	i	h
Belgium	82,1	i	l
Sweden	104,6	l	h
United Kingdom	106,1	i	l
Austria	107,7	h	l
Germany	110,1	l	l
Denmark	111,5	i	h
Ireland	113,0	i	l
Poland	114,4	l	h
Finland	142,0	i	h
Malta	149,7	n.a.	n.a.
Bulgaria	171,6	h	h
Czech Republic	177,5	l	h
Romania	213,5	h	h
Hungary	261,3	l	h
Estonia	264,2	h	h
Slovakia	268,3	i	h
Latvia	279,4	h	h
Lithuania	355,0	h	h

The use of modern medication seems to be more dependent on local professional and administrative culture streaks than on evidence based guidelines …

SDR data: WHO-HfA mortality database
Drug use data: IMS Health

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Conclusions: Euro CVH Index 2008

- **There is good cardiac care available in essentially all EU states**
- *Need for more CUTS*
  - **30-day case fatality**
  - **prevalence of blood pressure >140/90 mmHg**
  - **etc etc etc**
- **Increased focus on *screening/prevention a cost-effective* way to reduce CVD**