



# Multinational Comparisons of Health Systems Data, 2009

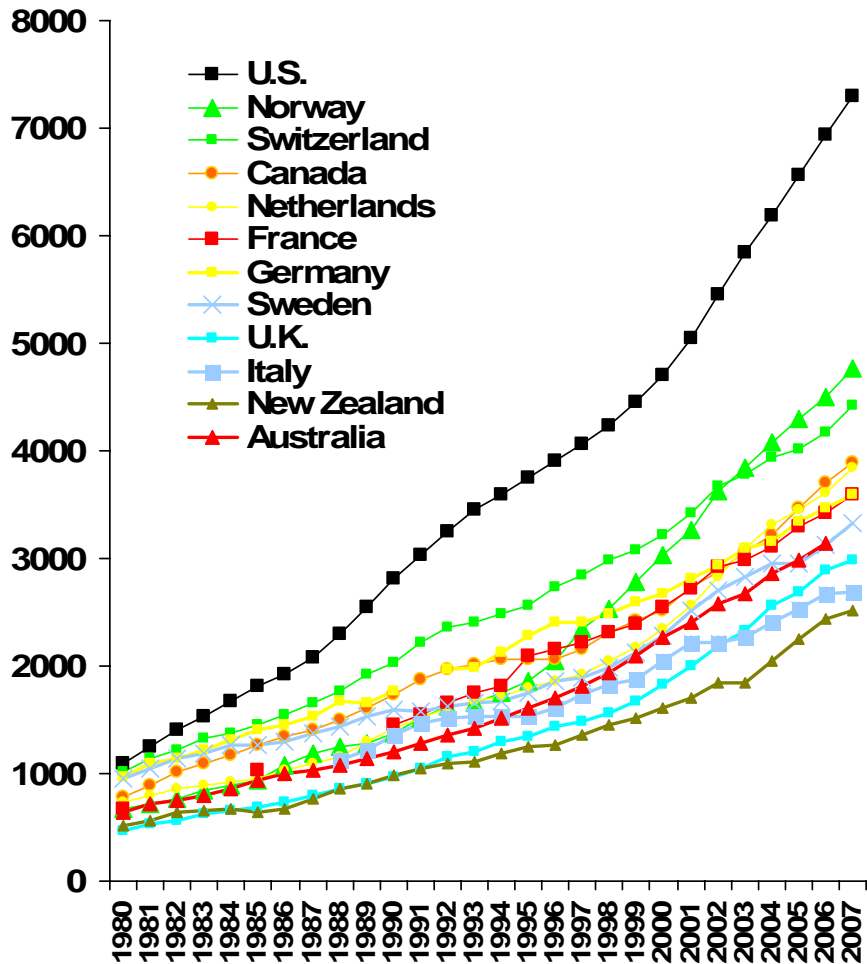
**Gerard F. Anderson and Patricia Markovich**  
**Johns Hopkins University**

**November 2009**

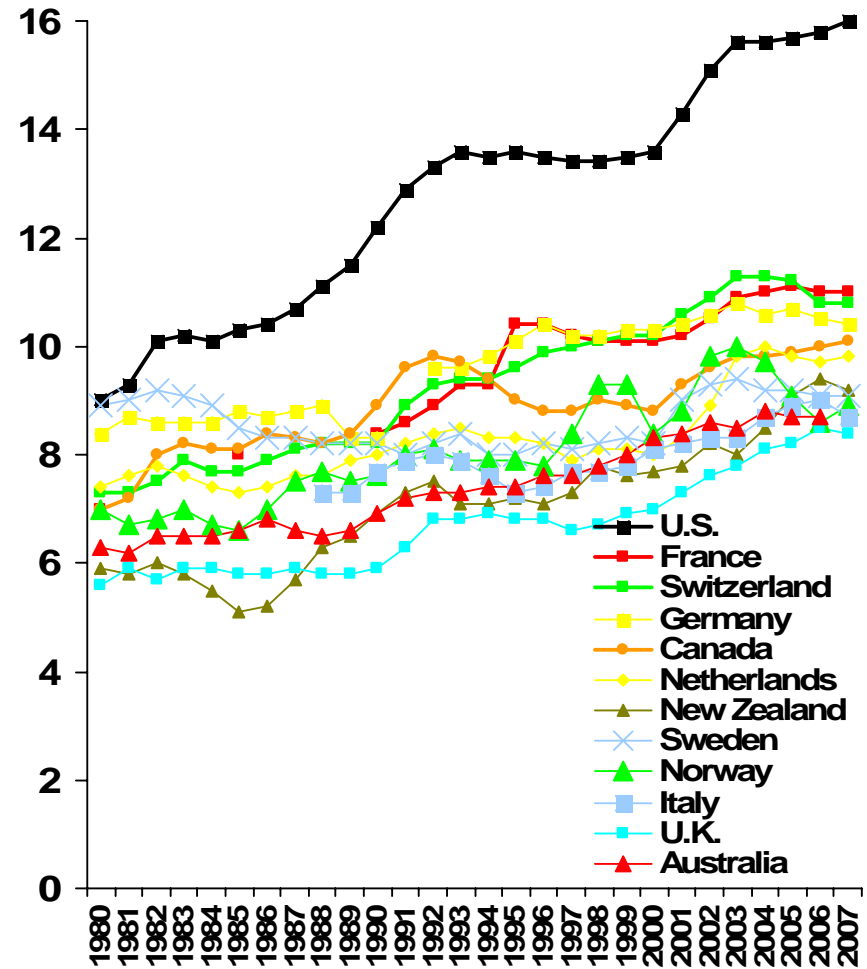
Support for this research was provided by The Commonwealth Fund. The views presented here are those of the authors and not necessarily those of The Commonwealth Fund or its directors, officers, or staff.

# International Comparison of Spending on Health, 1980–2007

## Average spending on health per capita (\$US PPP)

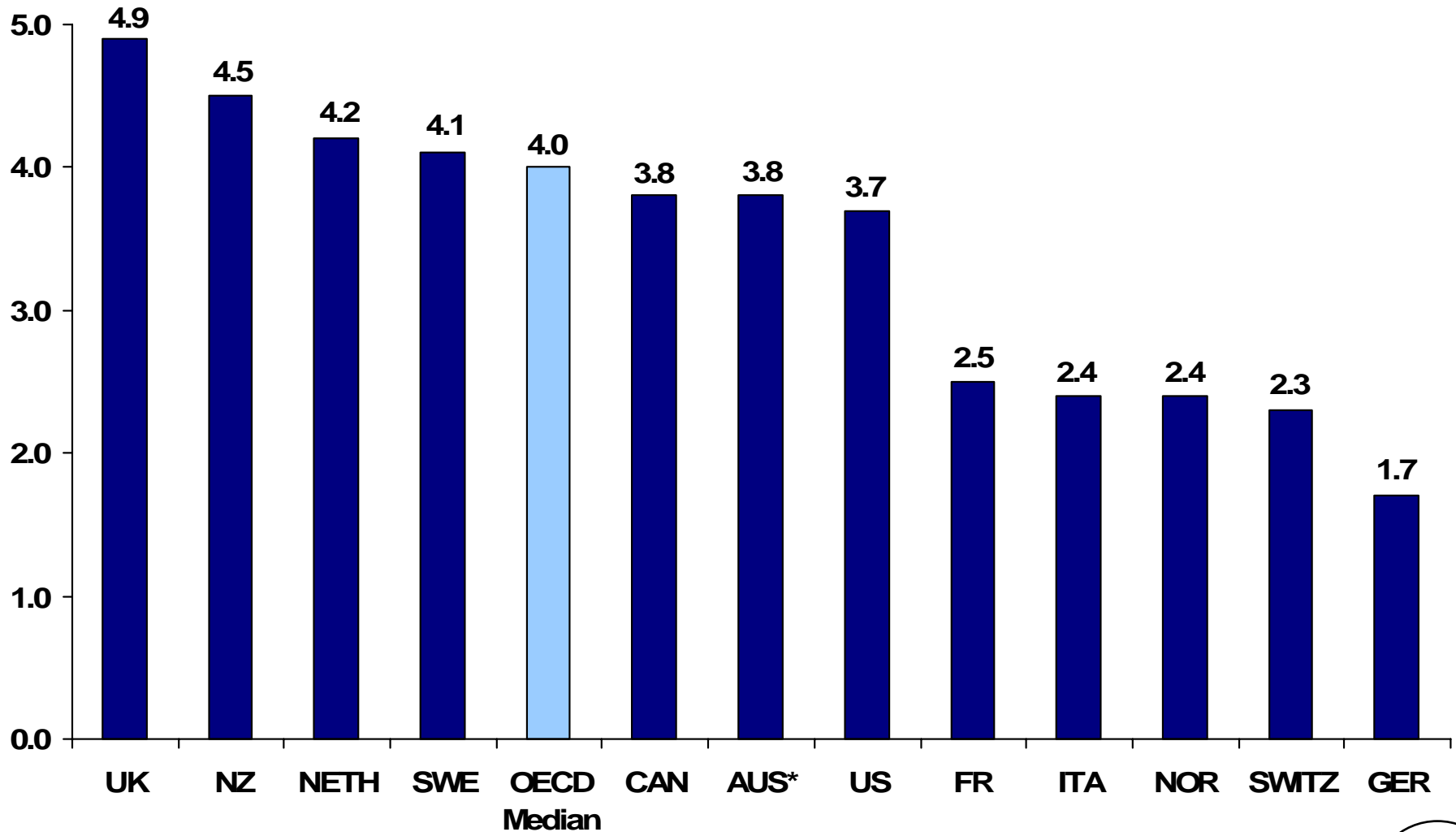


## Total expenditures on health as percent of GDP



# Average Annual Growth Rate of Real Health Care Spending per Capita, 1997–2007

Percent



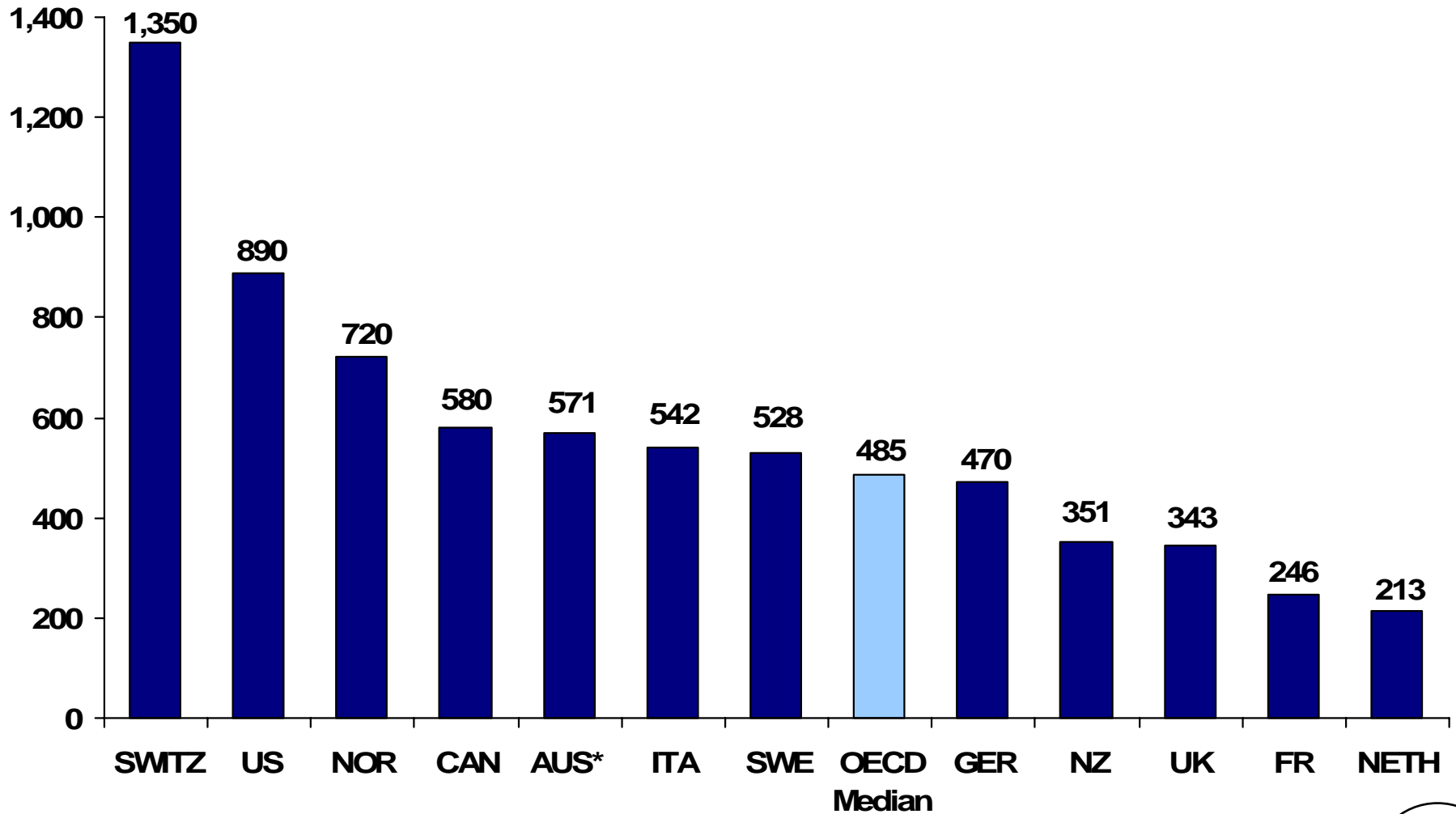
\* 1996–2006

Source: OECD Health Data 2009 (June 2009).

# Out-of-Pocket Health Care Spending per Capita, 2007

## Adjusted for Differences in Cost of Living

Dollars



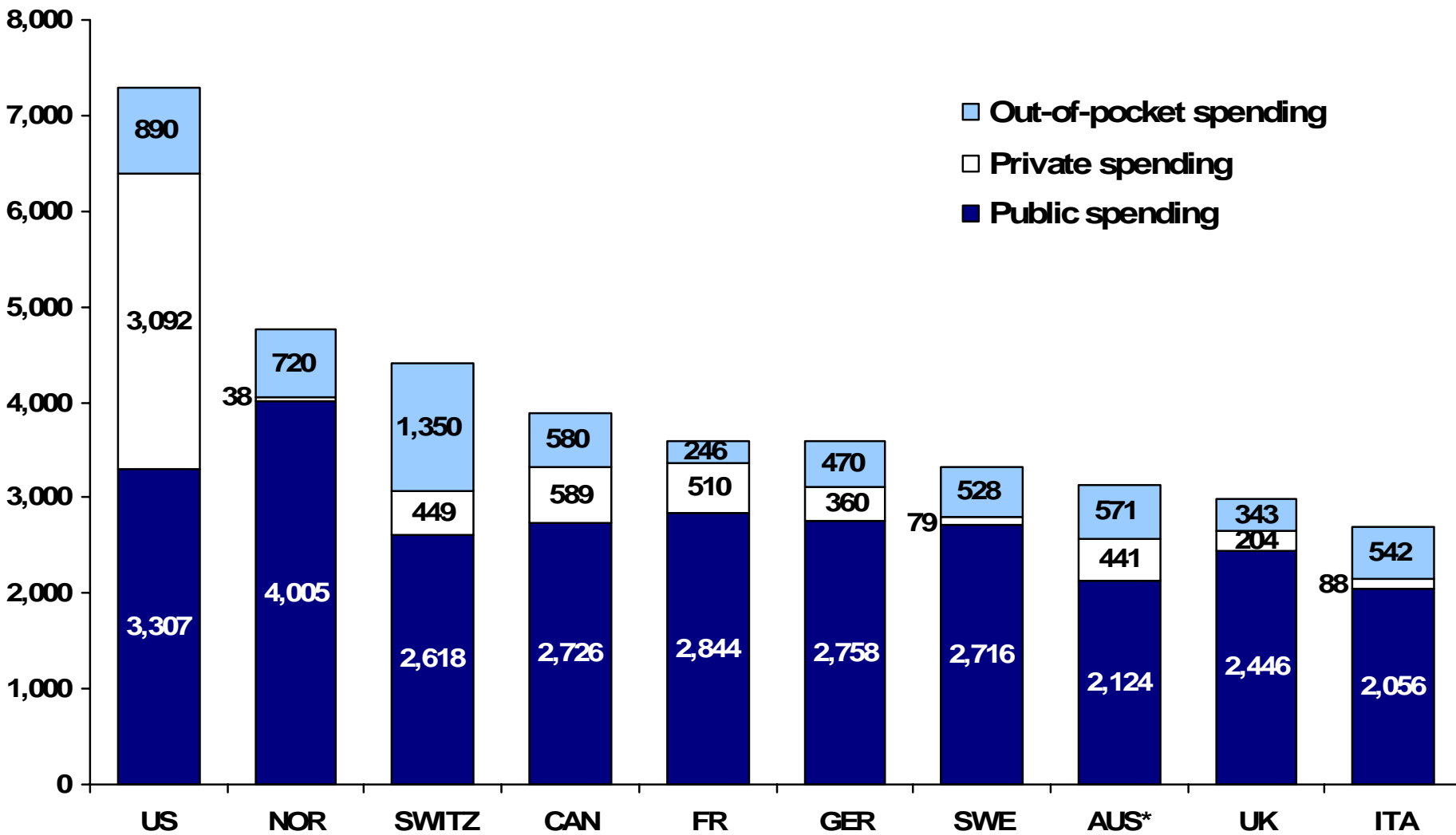
\* 2006

Source: OECD Health Data 2009 (June 2009).

# Health Care Expenditure per Capita by Source of Funding, 2007

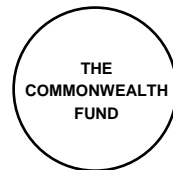
## Adjusted for Differences in Cost of Living

Dollars



\* 2006

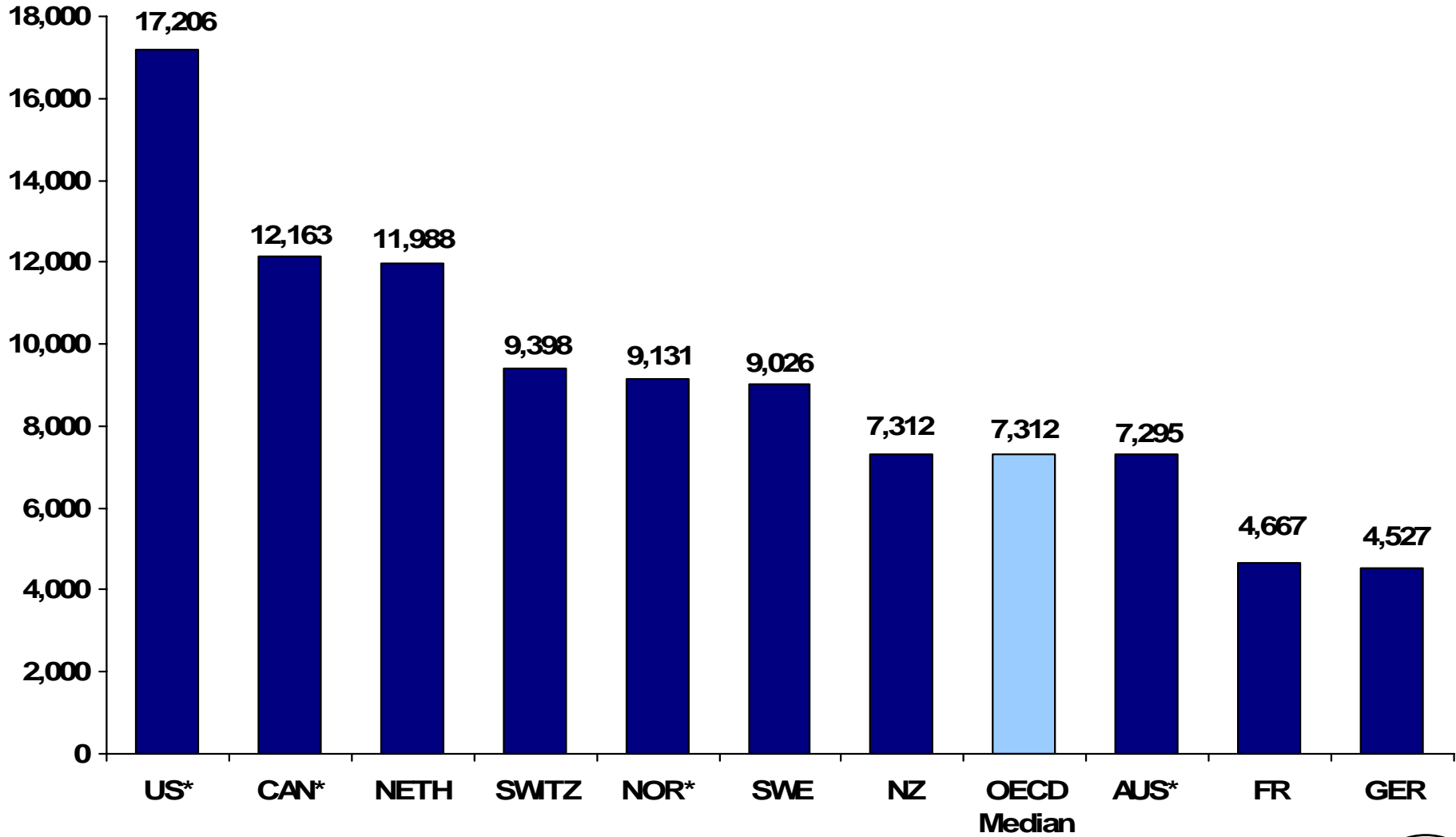
Source: OECD Health Data 2009 (June 2009).



# Hospital Spending per Discharge, 2007

## Adjusted for Differences in Cost of Living

Dollars

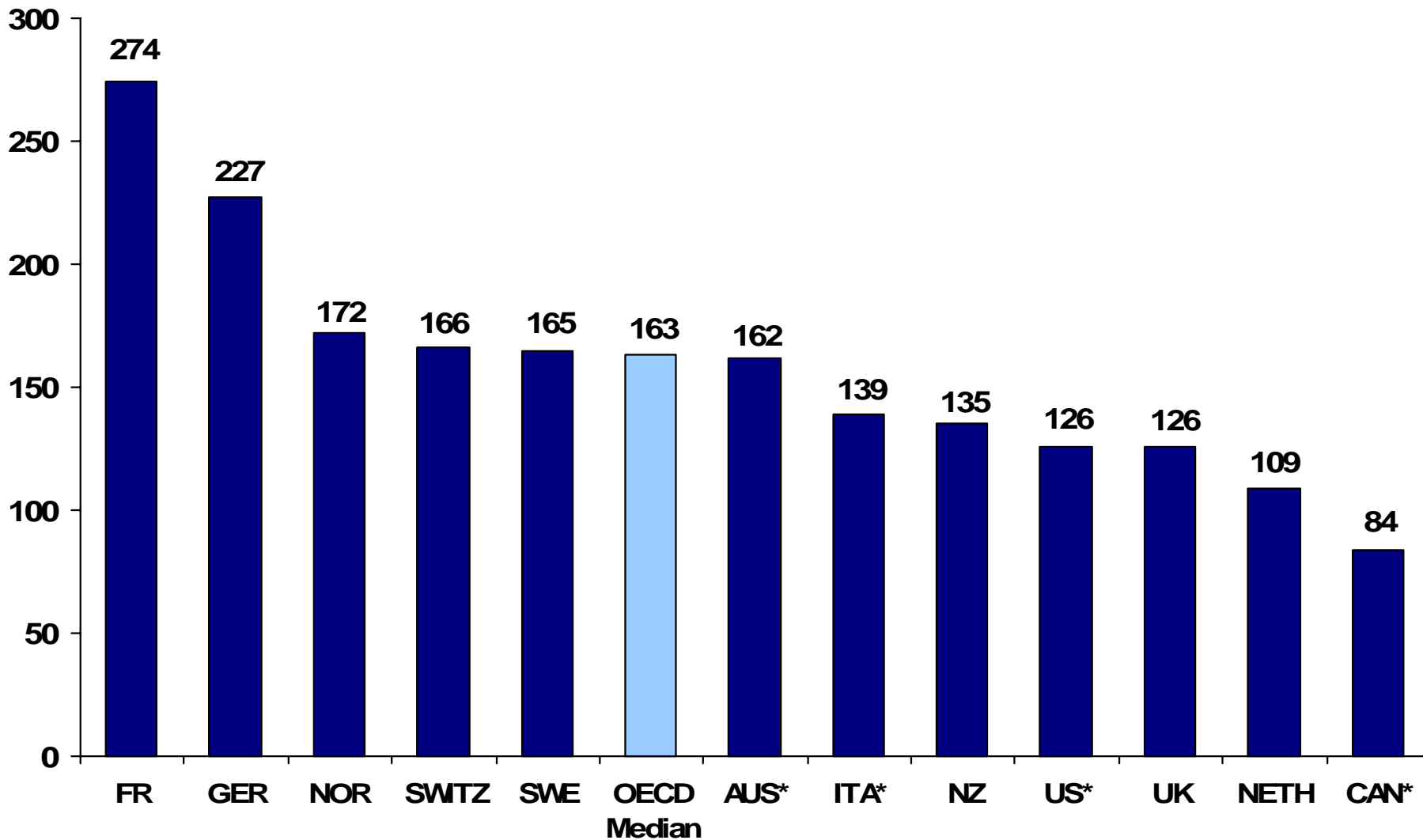


\* 2006

Source: OECD Health Data 2009 (June 2009).

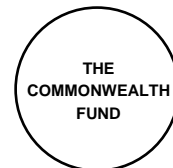


# Hospital Discharges per 1,000 Population, 2007

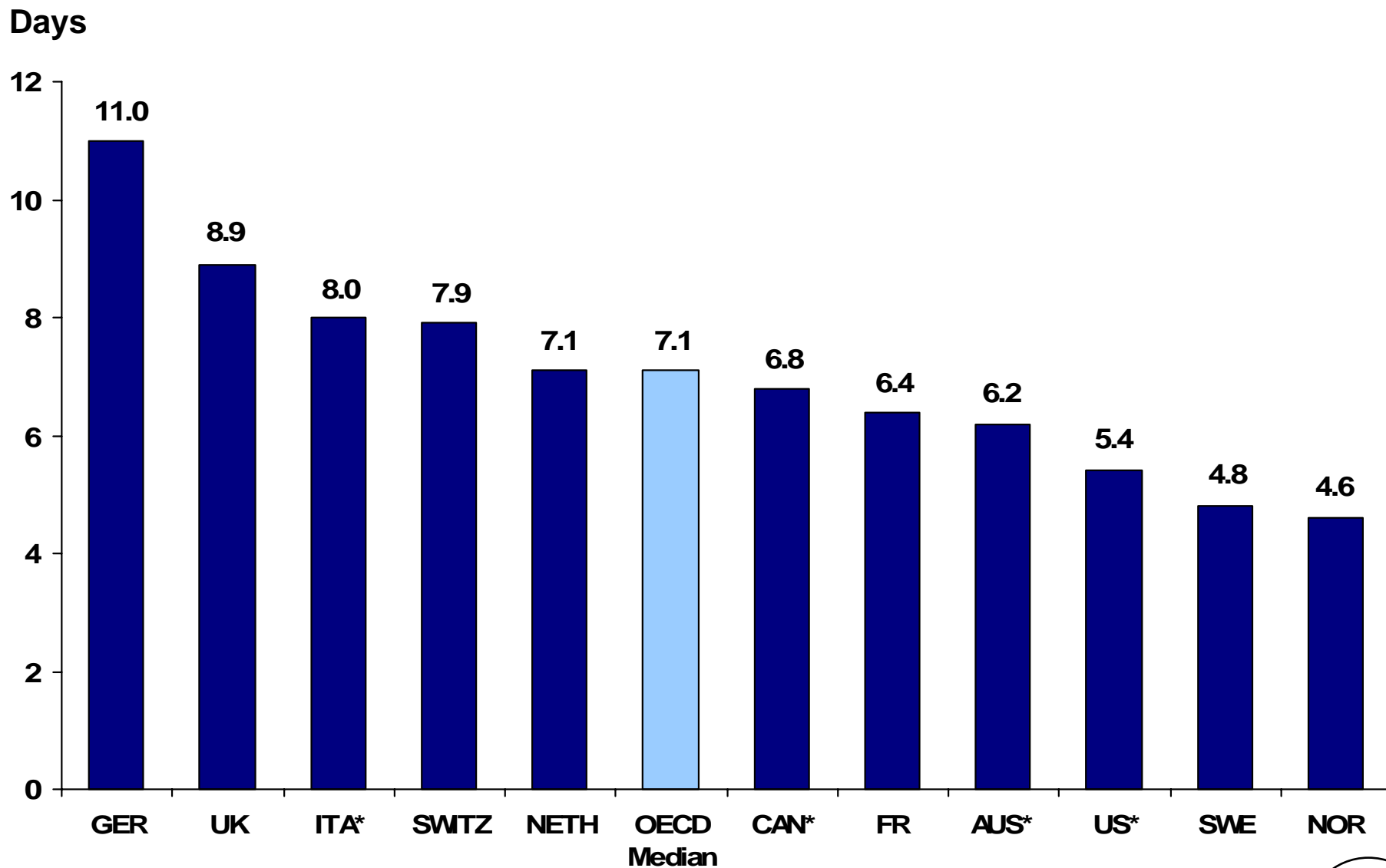


\* 2006

Source: OECD Health Data 2009 (June 2009).

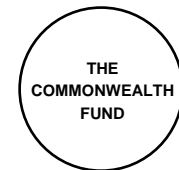


# Average Length of Hospital Stay for Acute Myocardial Infarction, 2007 <sup>8</sup>



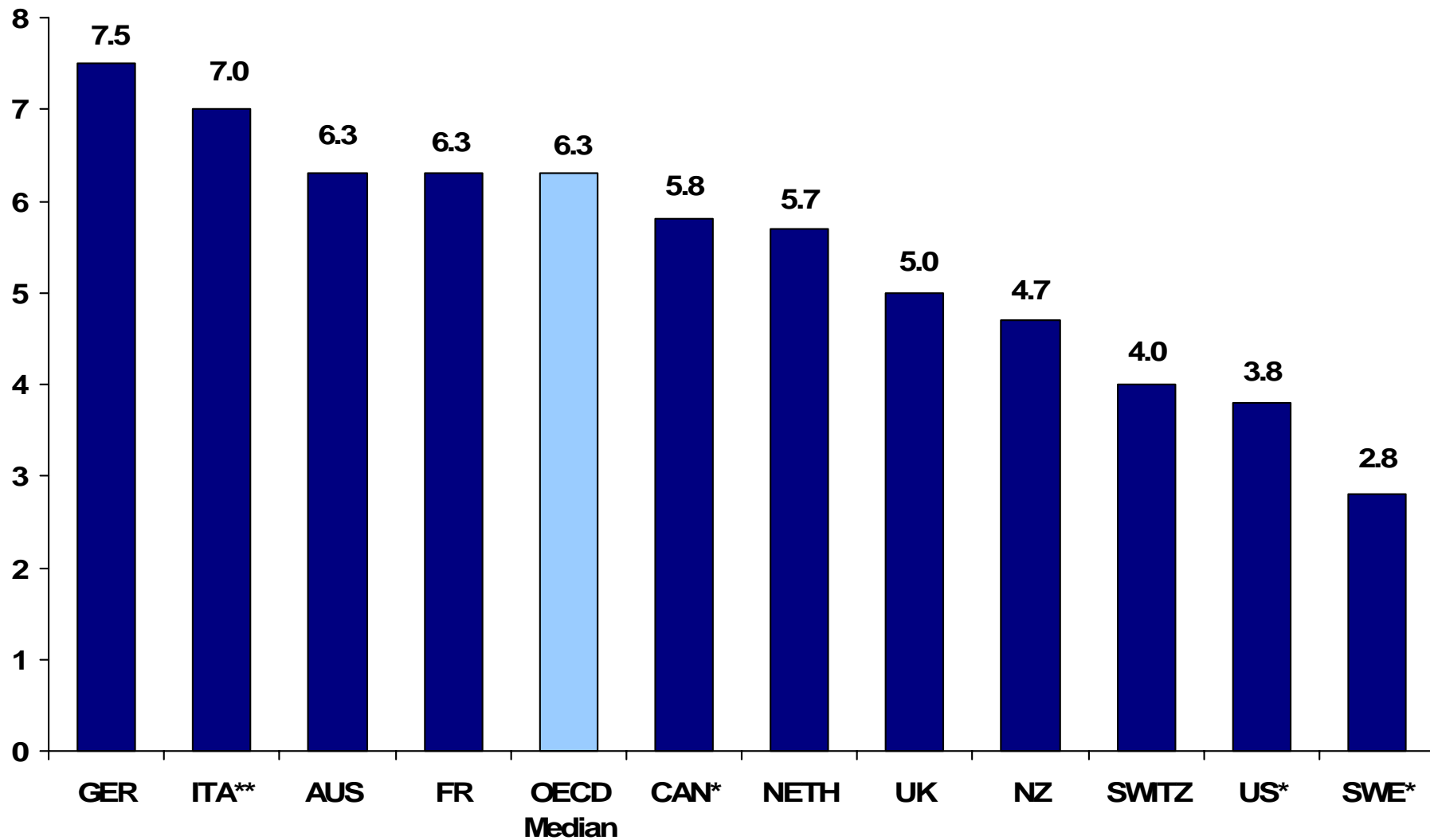
\* 2006

Source: OECD Health Data 2009 (June 2009).





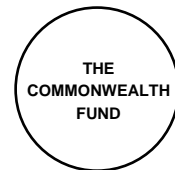
# Average Annual Number of Physician Visits per Capita, 2007



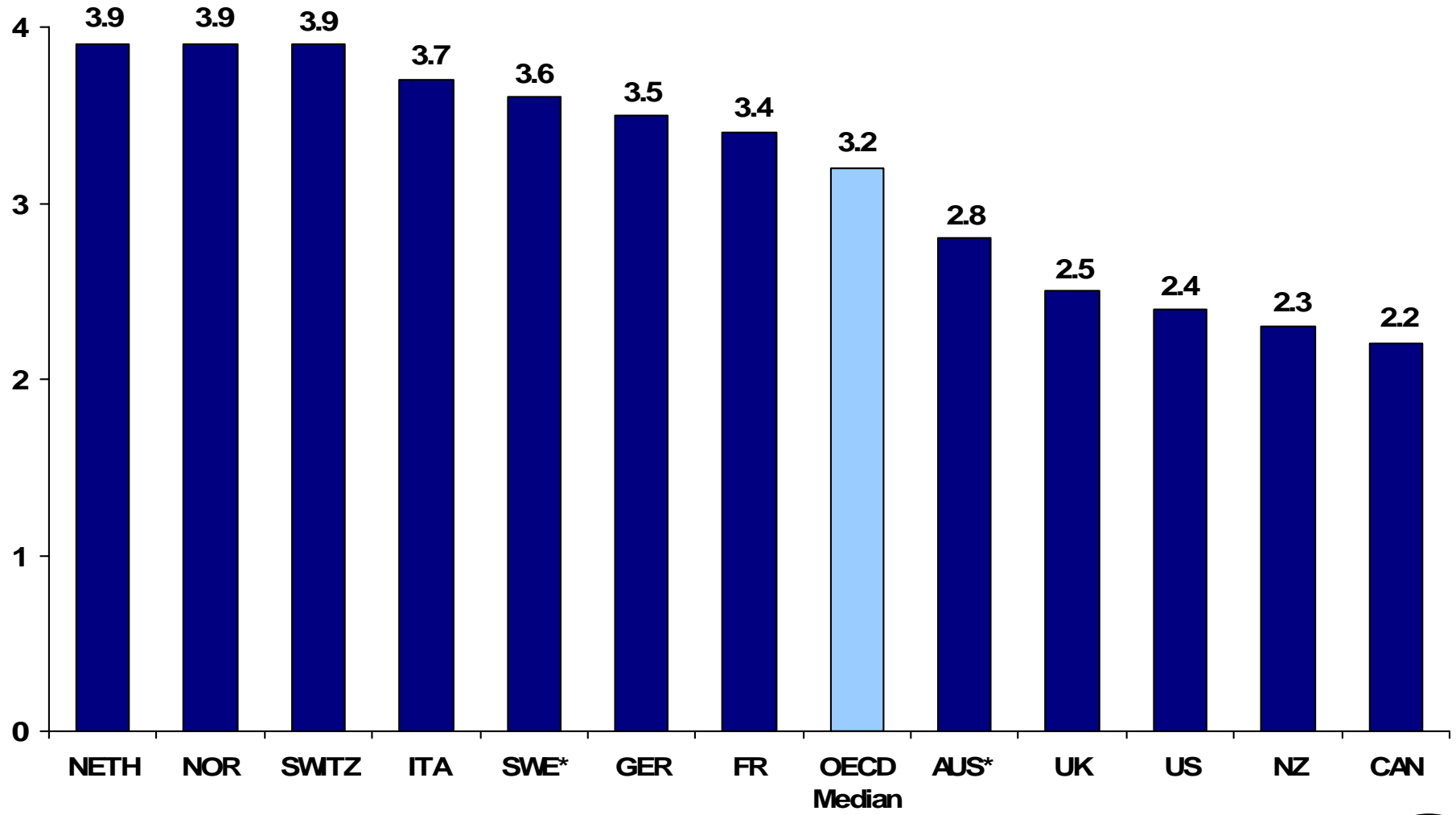
\* 2006

\*\* 2005

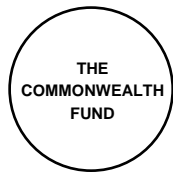
Source: OECD Health Data 2009 (June 2009).



# Number of Practicing Physicians per 1,000 Population, 2007



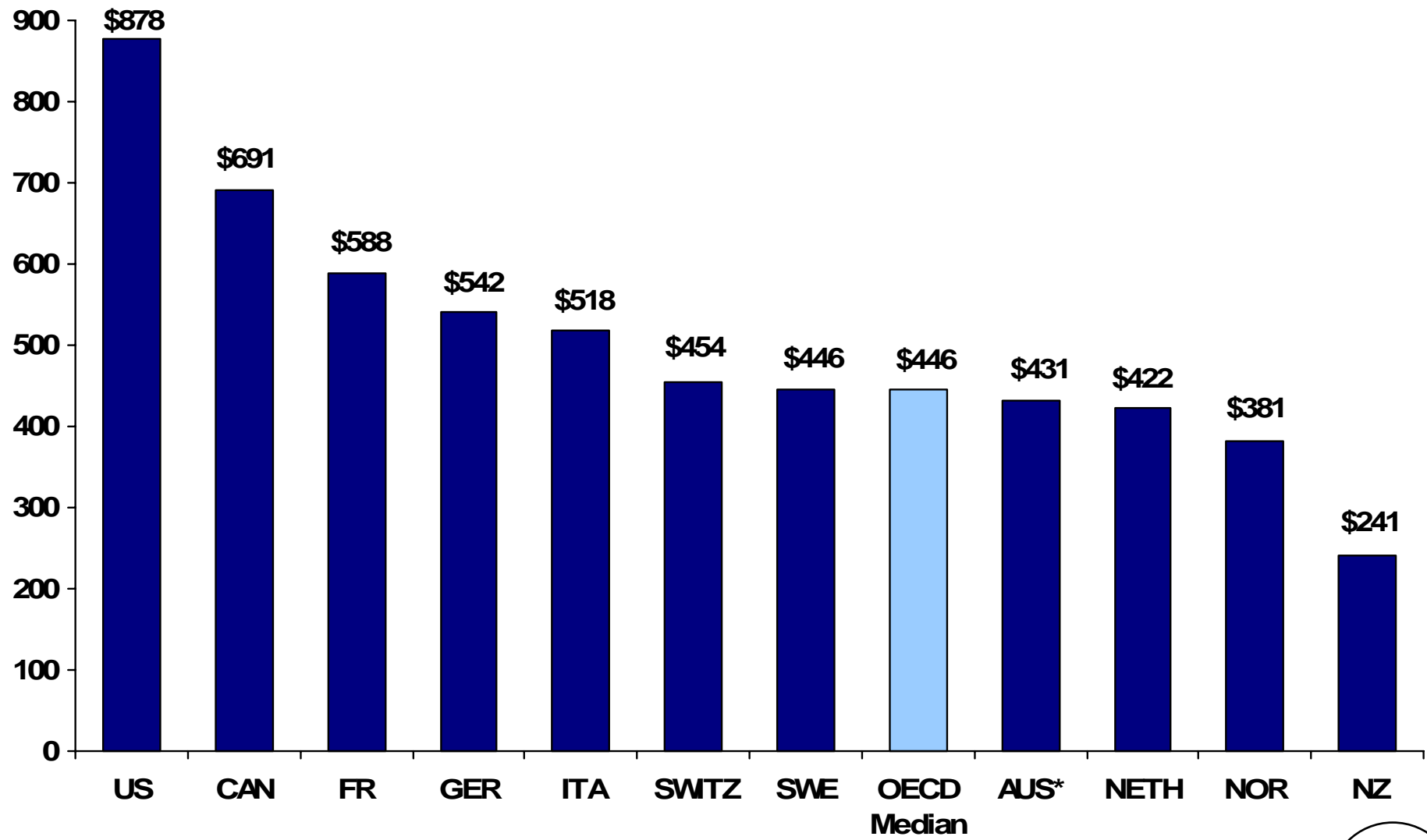
\* 2006  
Source: OECD Health Data 2009 (June 2009).



# Pharmaceutical Spending per Capita, 2007

## Adjusted for Differences in Cost of Living

Dollars

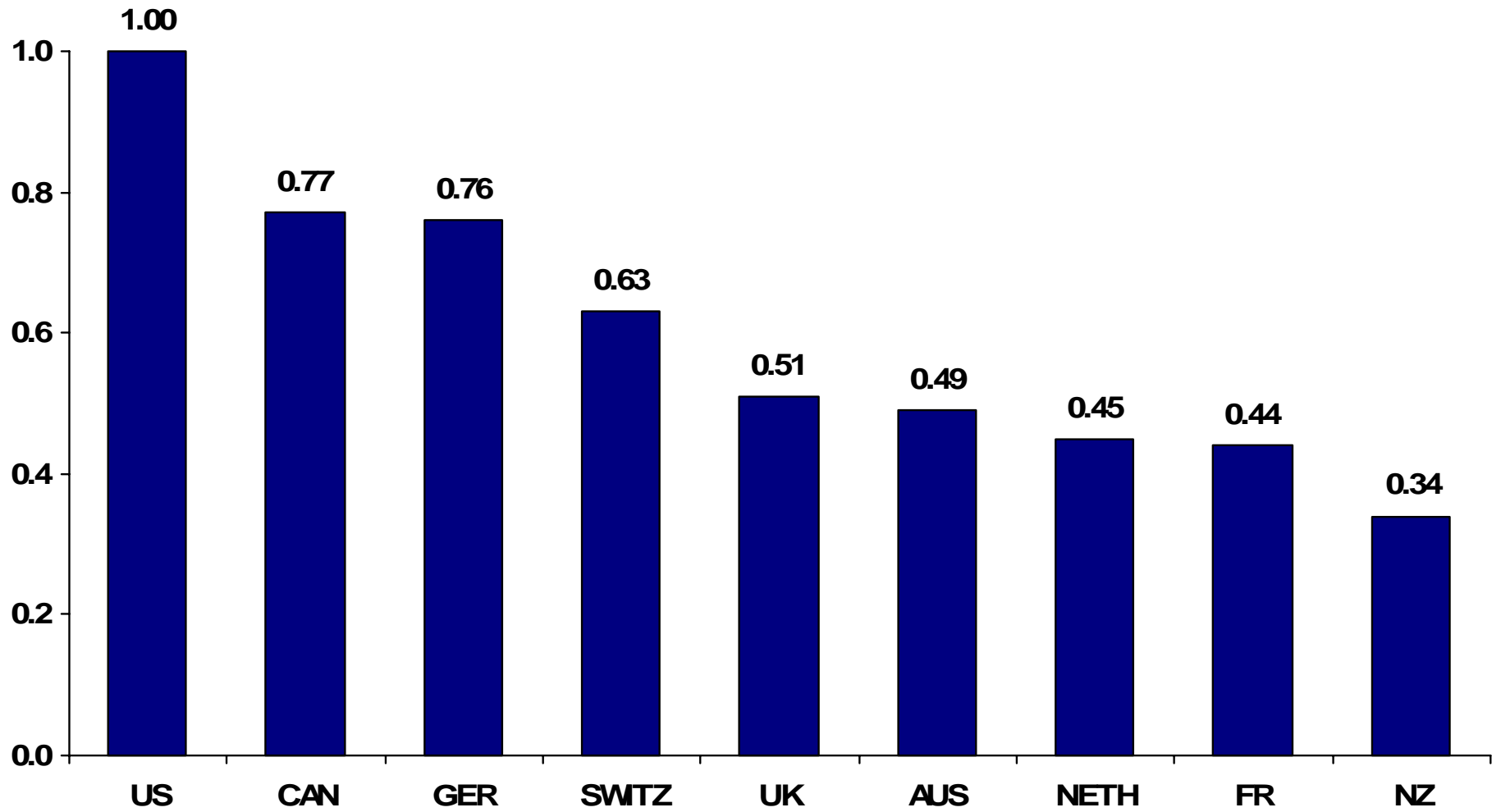


\* 2006  
Source: OECD Health Data 2009 (June 2009).



# Drug Prices for 30 Most Commonly Prescribed Drugs, 2006–07

US is set at 1.0



Source: IMS Health.



# Drug Prices for 30 Most Commonly Prescribed Drugs, 2006–07, Brand-Name and Generic

US is set at 1.0

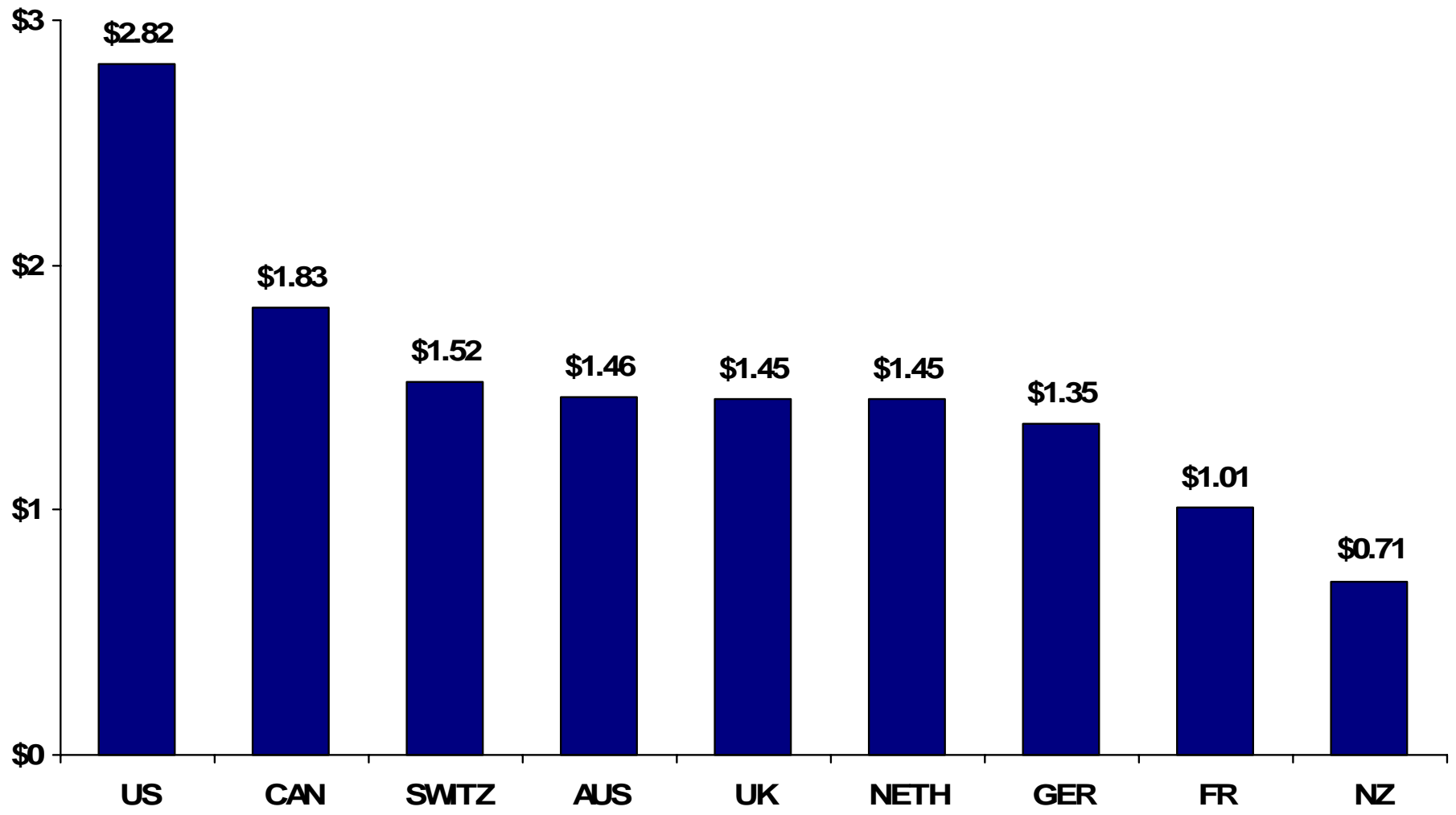
	AUS	CAN	FR	GER	NETH	NZ	SWITZ	UK	US
<b>Brand-Name Drugs</b>	<b>0.40</b>	<b>0.64</b>	<b>0.32</b>	<b>0.43</b>	<b>0.39</b>	<b>0.33</b>	<b>0.51</b>	<b>0.46</b>	<b>1.00</b>
<b>Generic Drugs</b>	<b>2.57</b>	<b>1.78</b>	<b>2.85</b>	<b>3.99</b>	<b>1.96</b>	<b>0.90</b>	<b>3.11</b>	<b>1.75</b>	<b>1.00</b>



# Drug Prices: Lipitor (atorvastatin), 2006–07

Price for one dose

Dollars

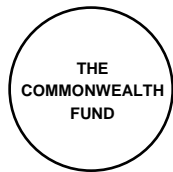
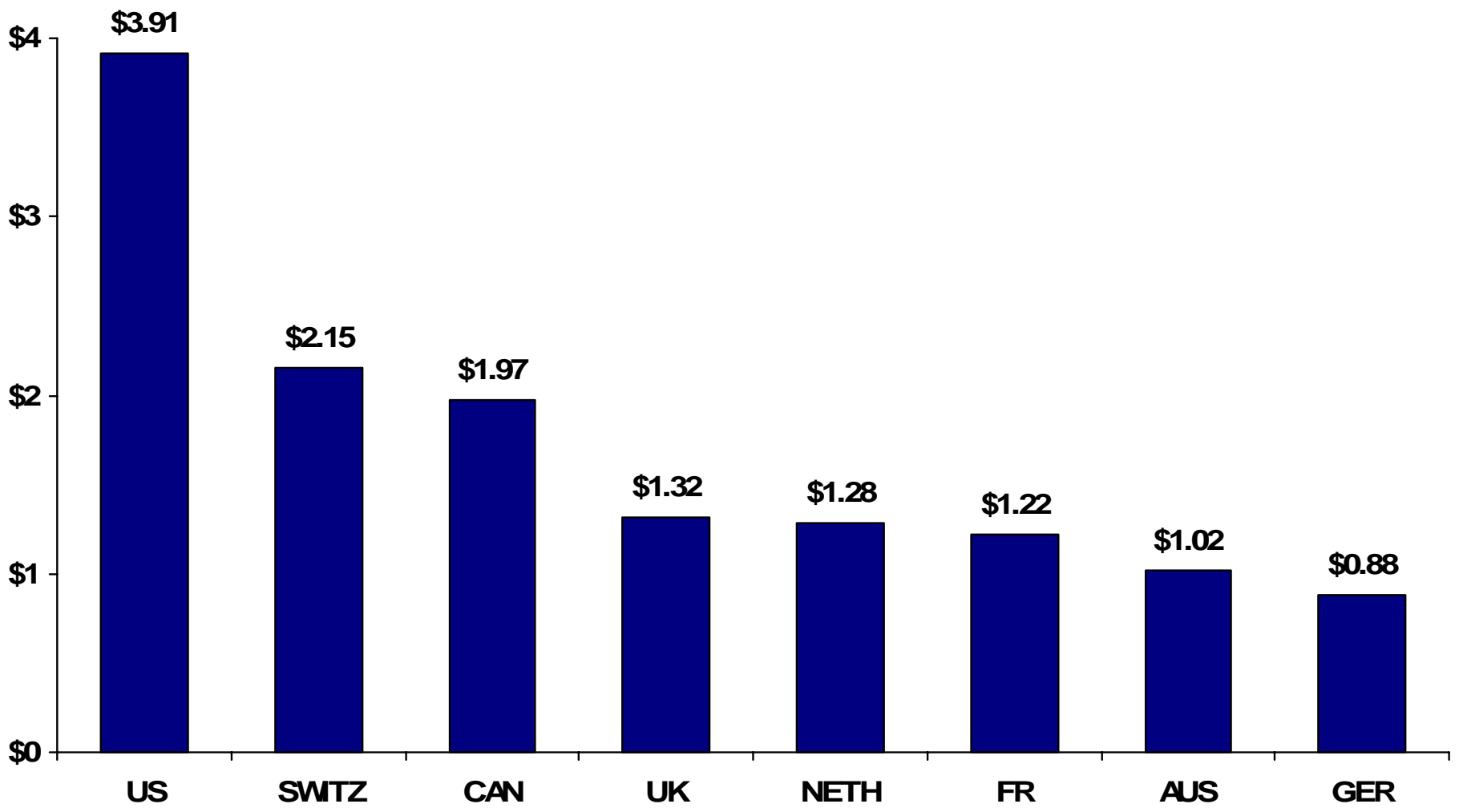


Source: IMS Health.

# Drug Prices: Nexium (esomeprazole), 2006–07

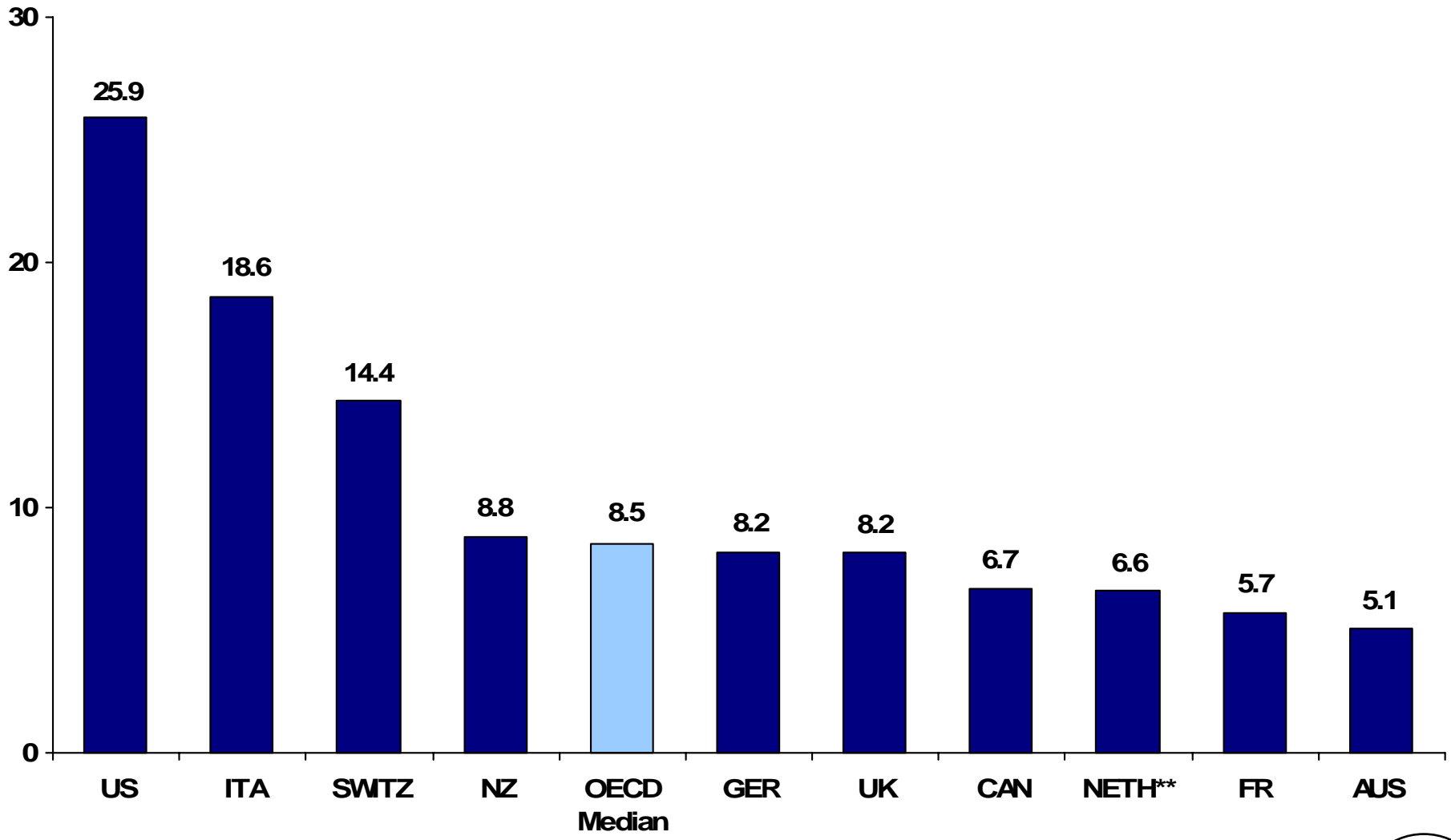
Price for one dose

Dollars

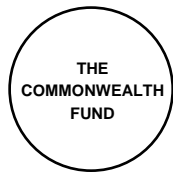


Source: IMS Health.

# Magnetic Resonance Imaging (MRI) Machines per Million Population, 2007

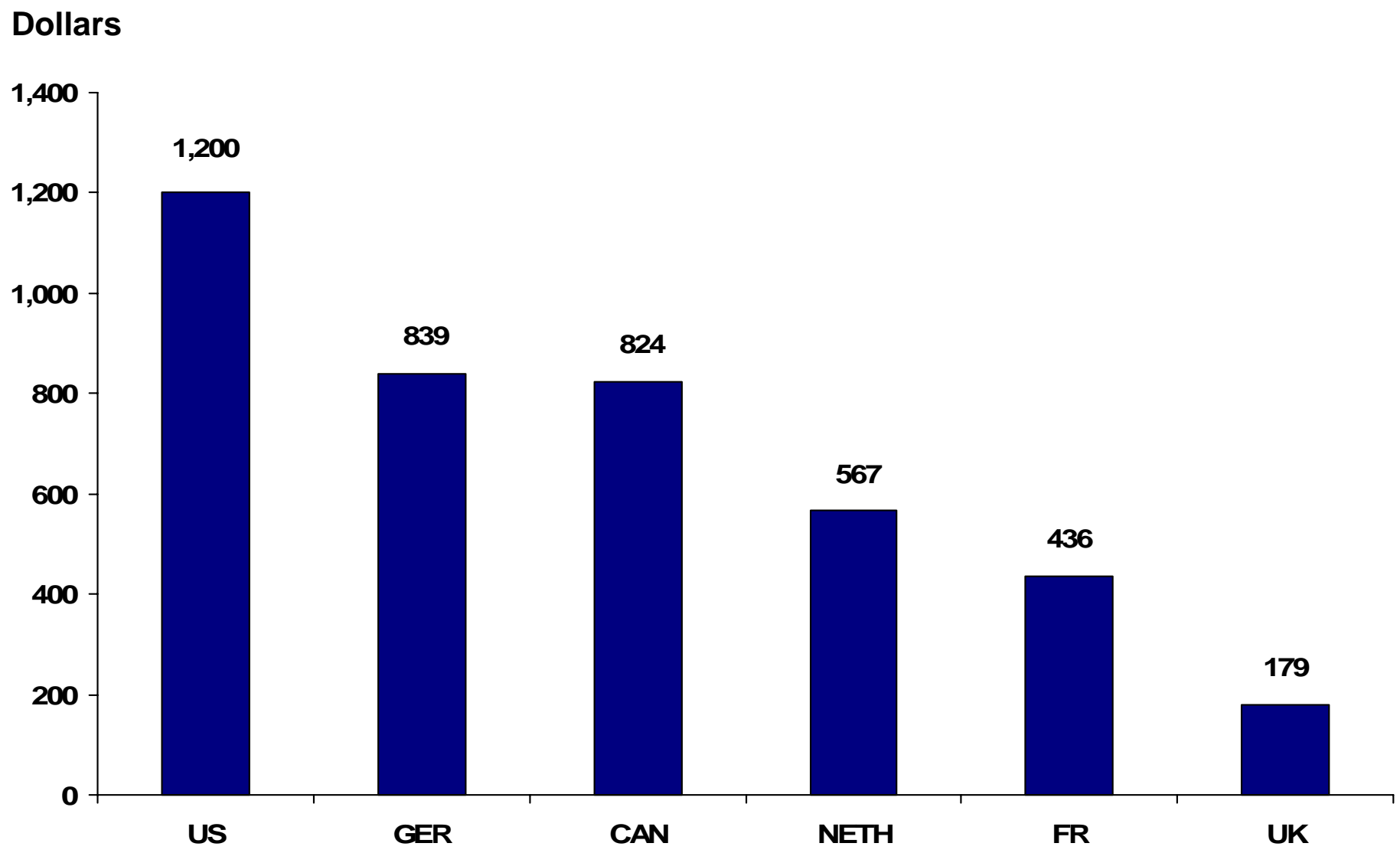


\*\* 2005  
Source: OECD Health Data 2009 (June 2009).





# MRI Scan and Imaging Fees, 2009

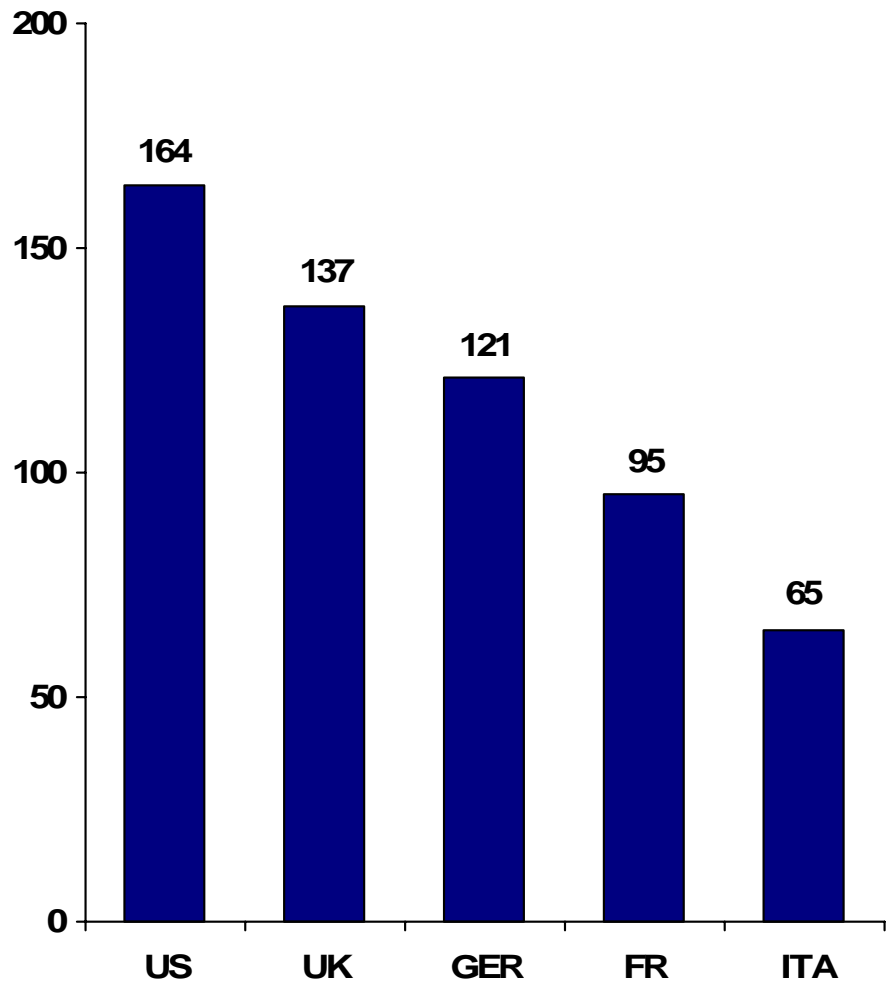


Source: International Federation of Health Plans, 2009 Comparative Price Report.

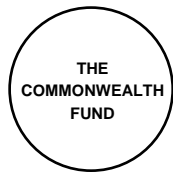
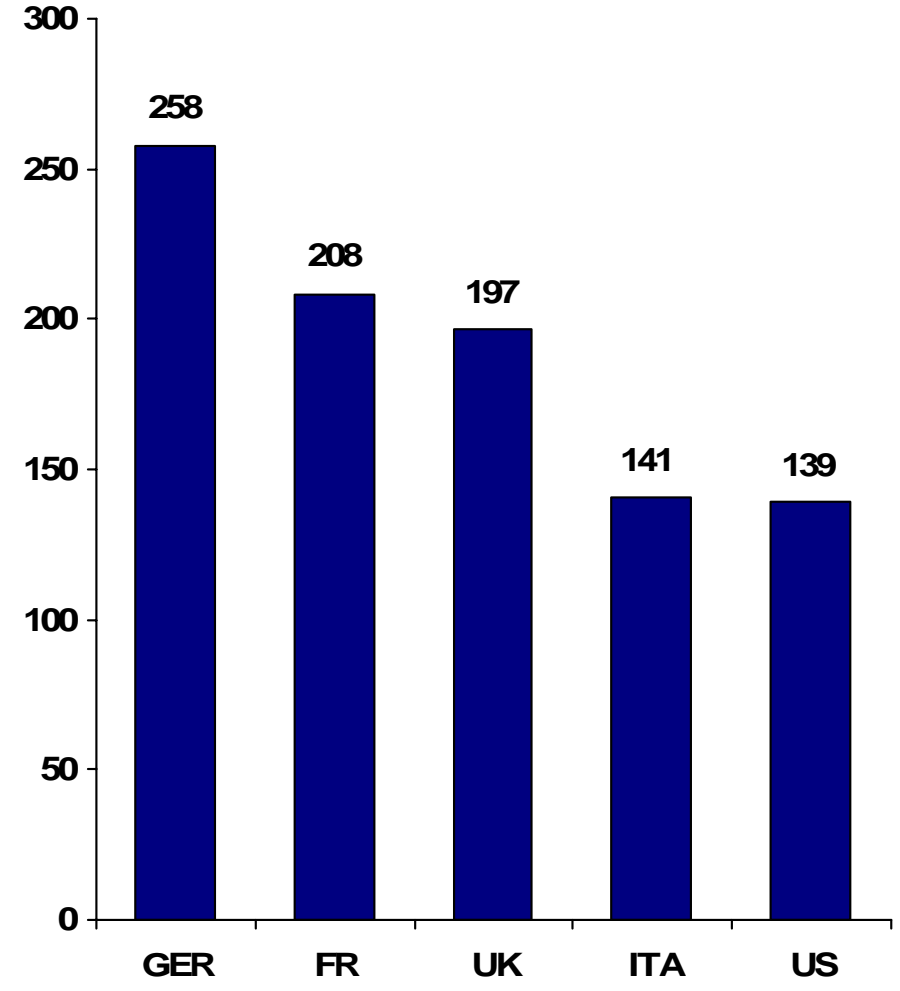
# Volume of Knee and Hip Implants, 2004

Implants per 100,000

## Knee Replacements



## Hip Replacements



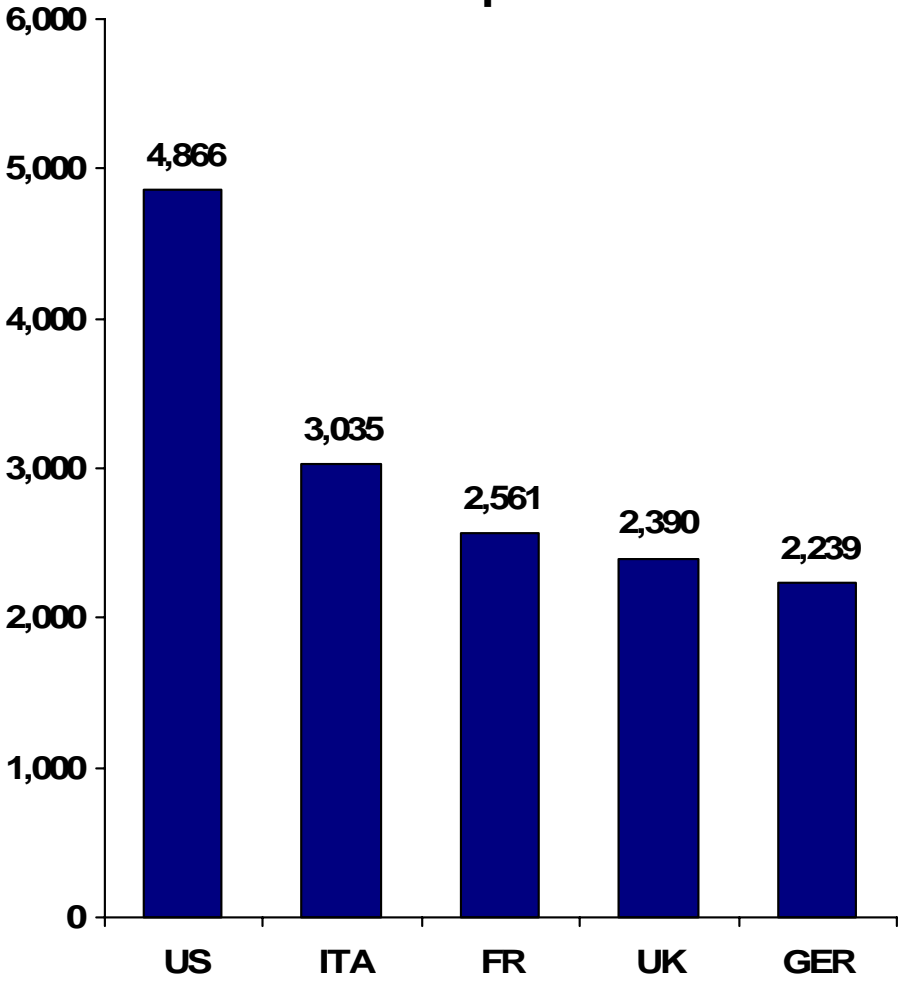
Source: McKinsey & Company, Accounting for the Cost of Health Care in the United States, 2007.

# Cost of Knee and Hip Prostheses to Providers, 2004

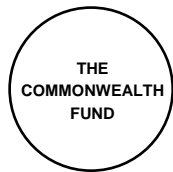
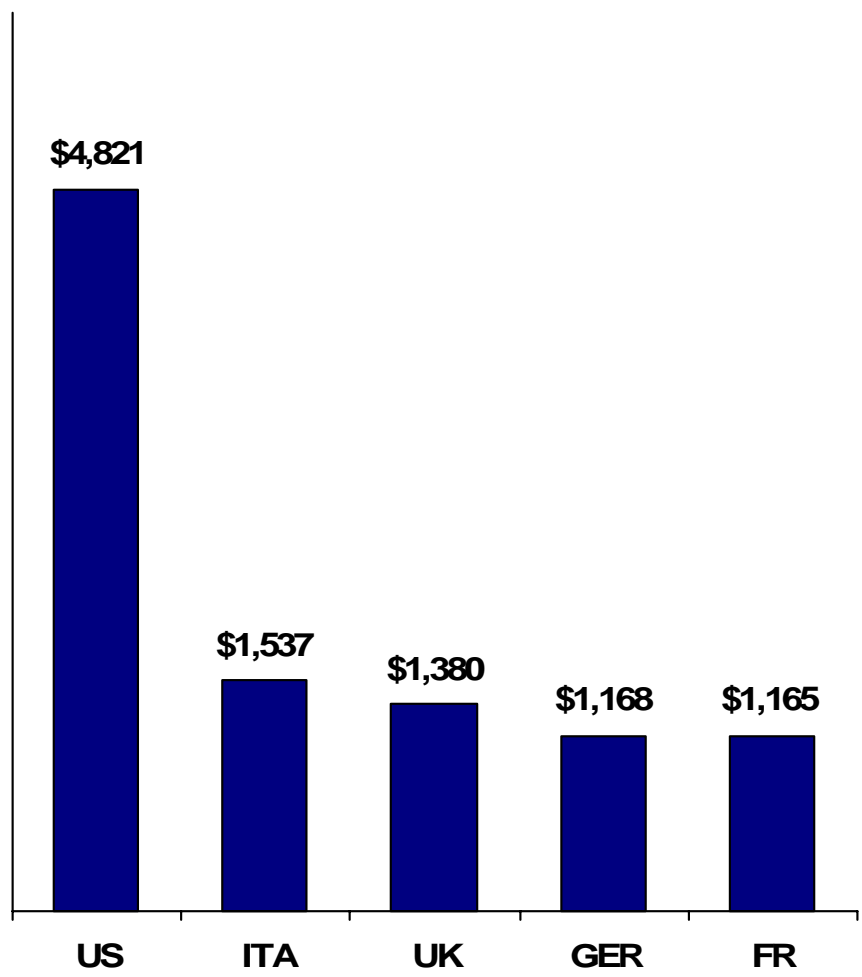
GDP Adjusted, US \$

Dollars

## Knee Replacements

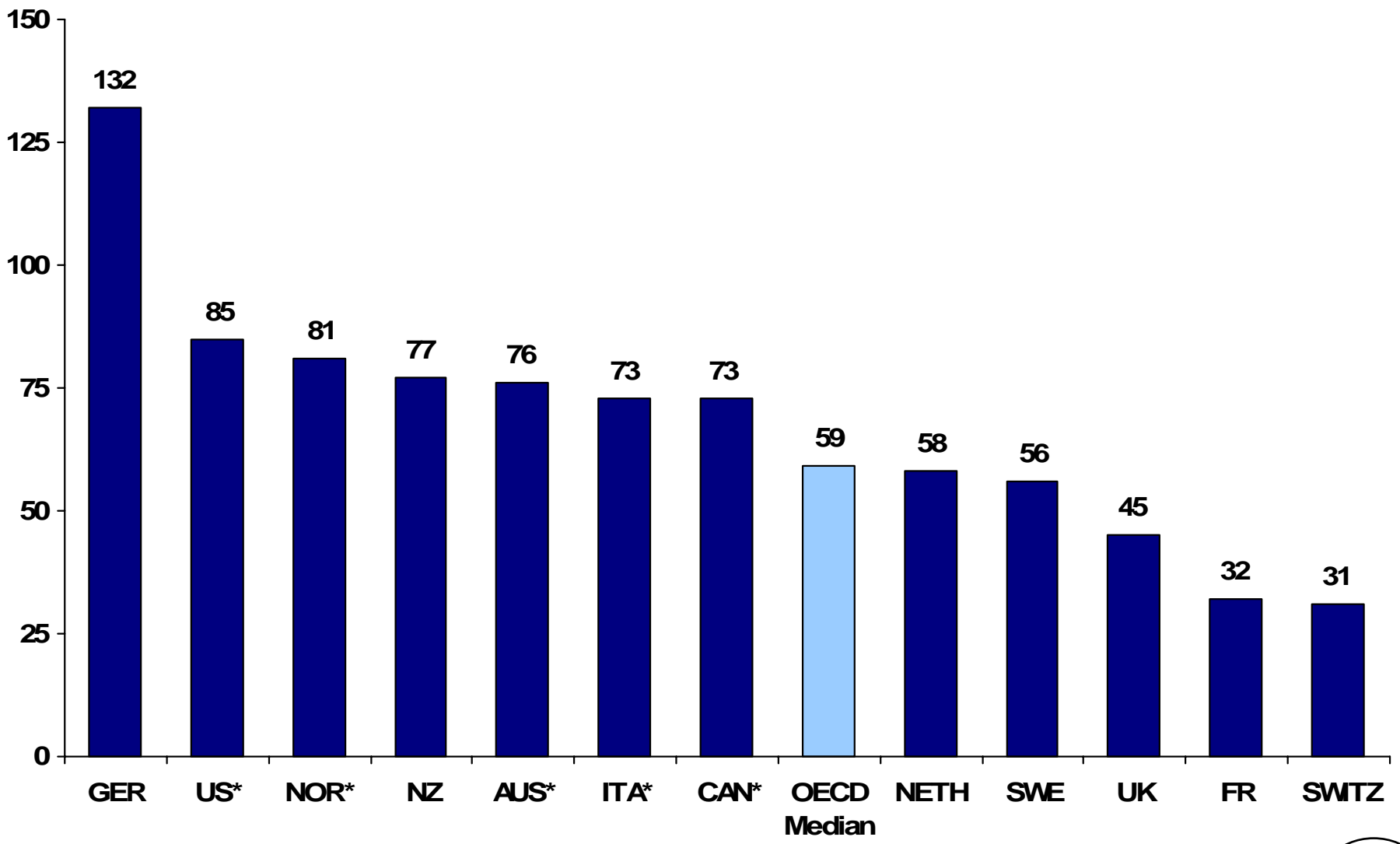


## Hip Replacements

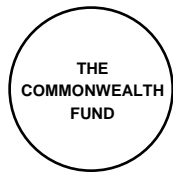


Source: McKinsey & Company, Accounting for the Cost of Health Care in the United States, 2007.

# Coronary Bypass Procedures per 100,000 Population, 2007

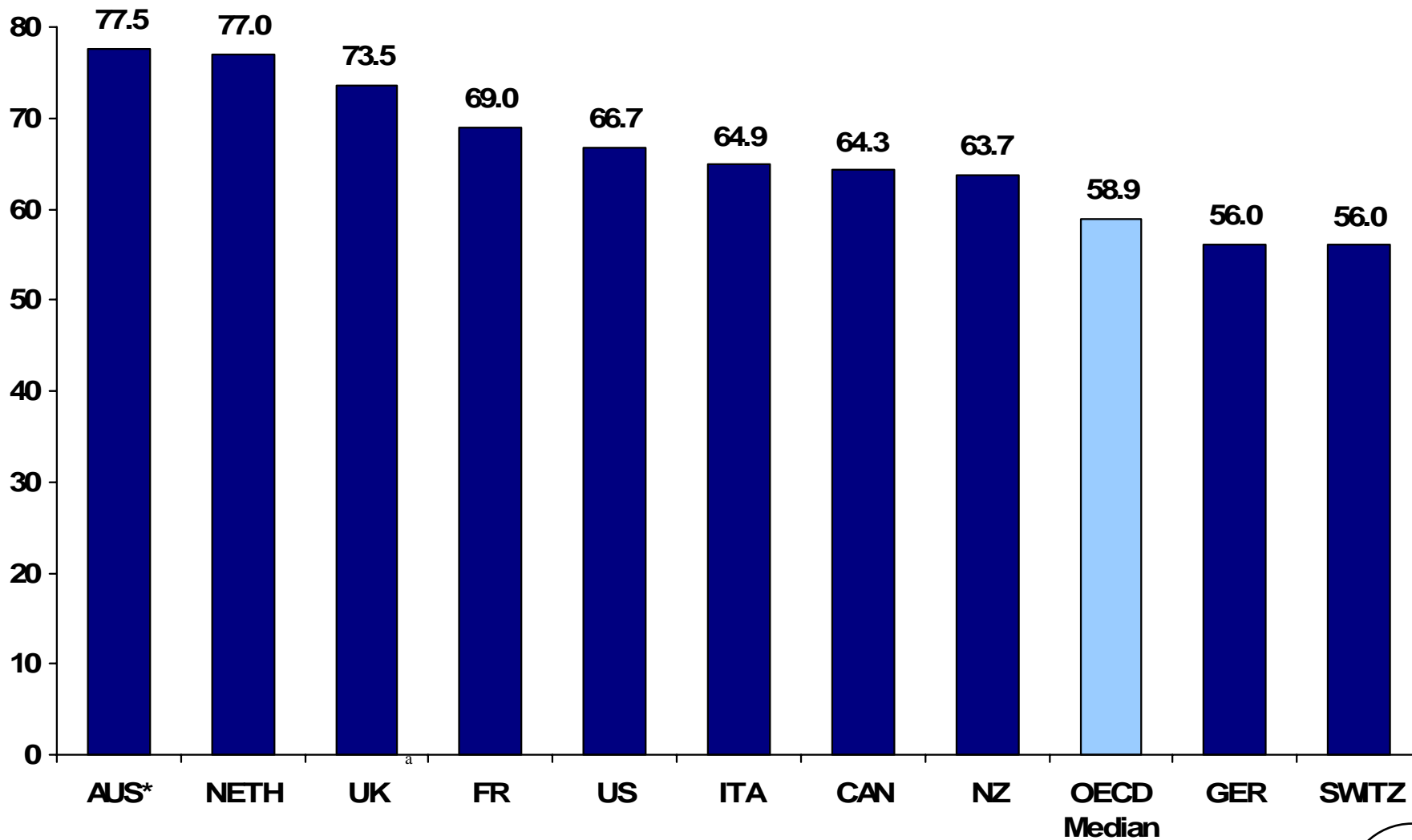


\* 2006  
Source: OECD Health Data 2009 (June 2009).



# Percentage of Population over Age 65 with Influenza Immunization, 2007

Percent

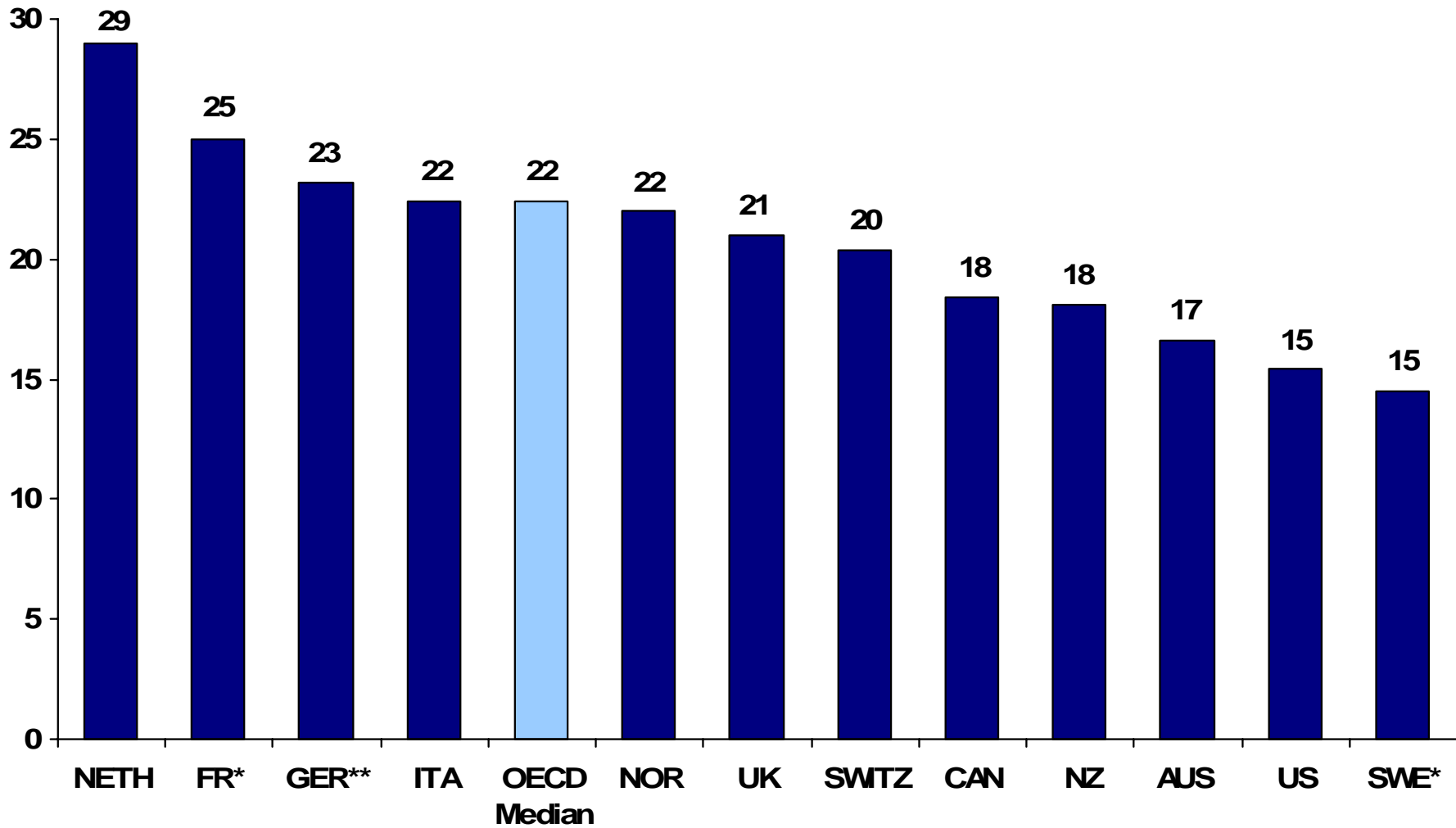


\* 2006

Source: OECD Health Data 2009 (June 2009).

# Percentage of Adults Who Report Being Daily Smokers, 2007

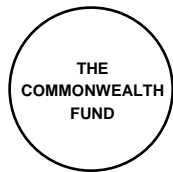
Percent



\* 2006

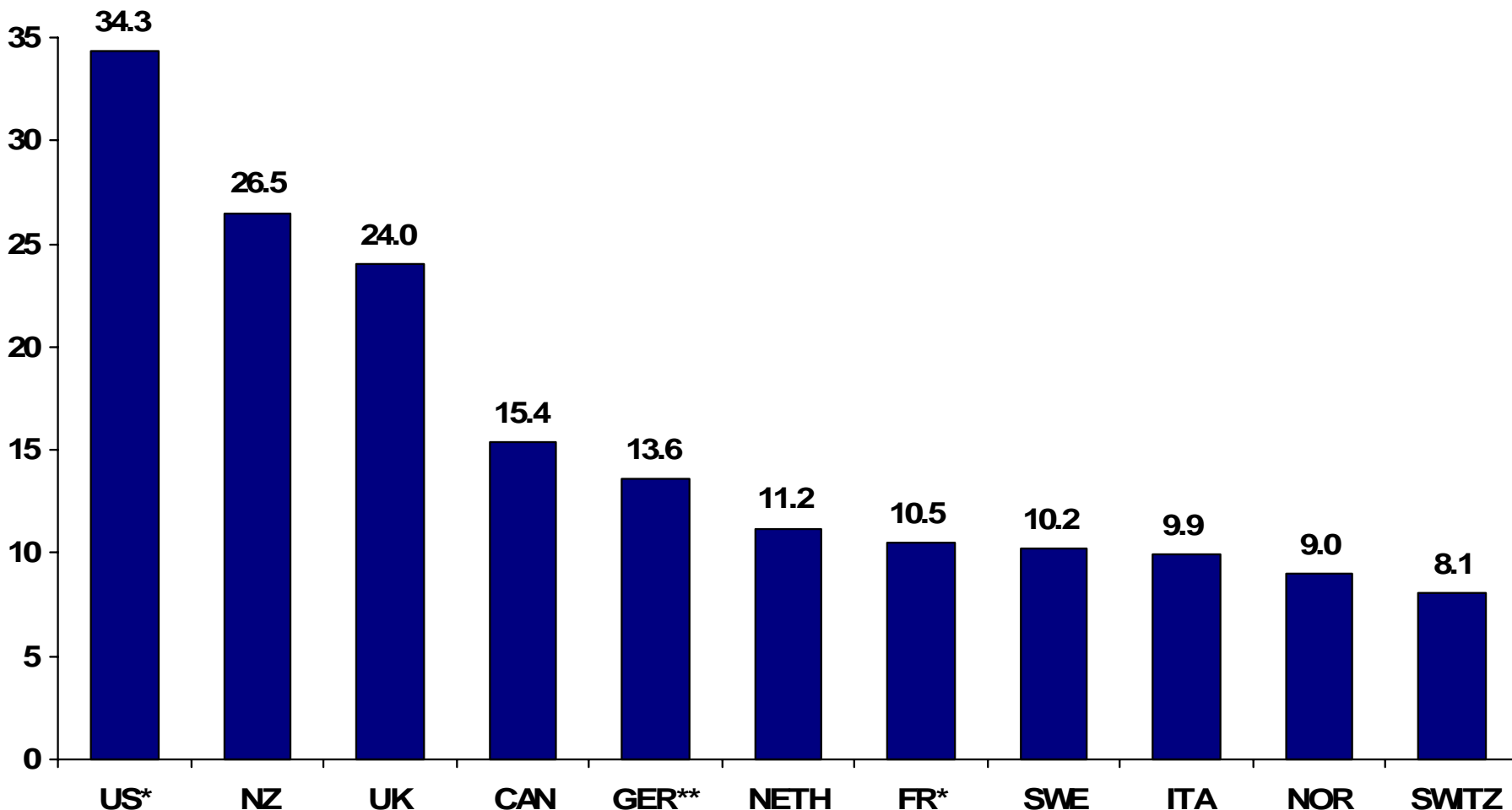
\*\* 2005

Source: OECD Health Data 2009 (June 2009).



# Obesity (BMI>30) Prevalence Among Adult Population, 2007

Percent



\* 2006

\*\* 2005

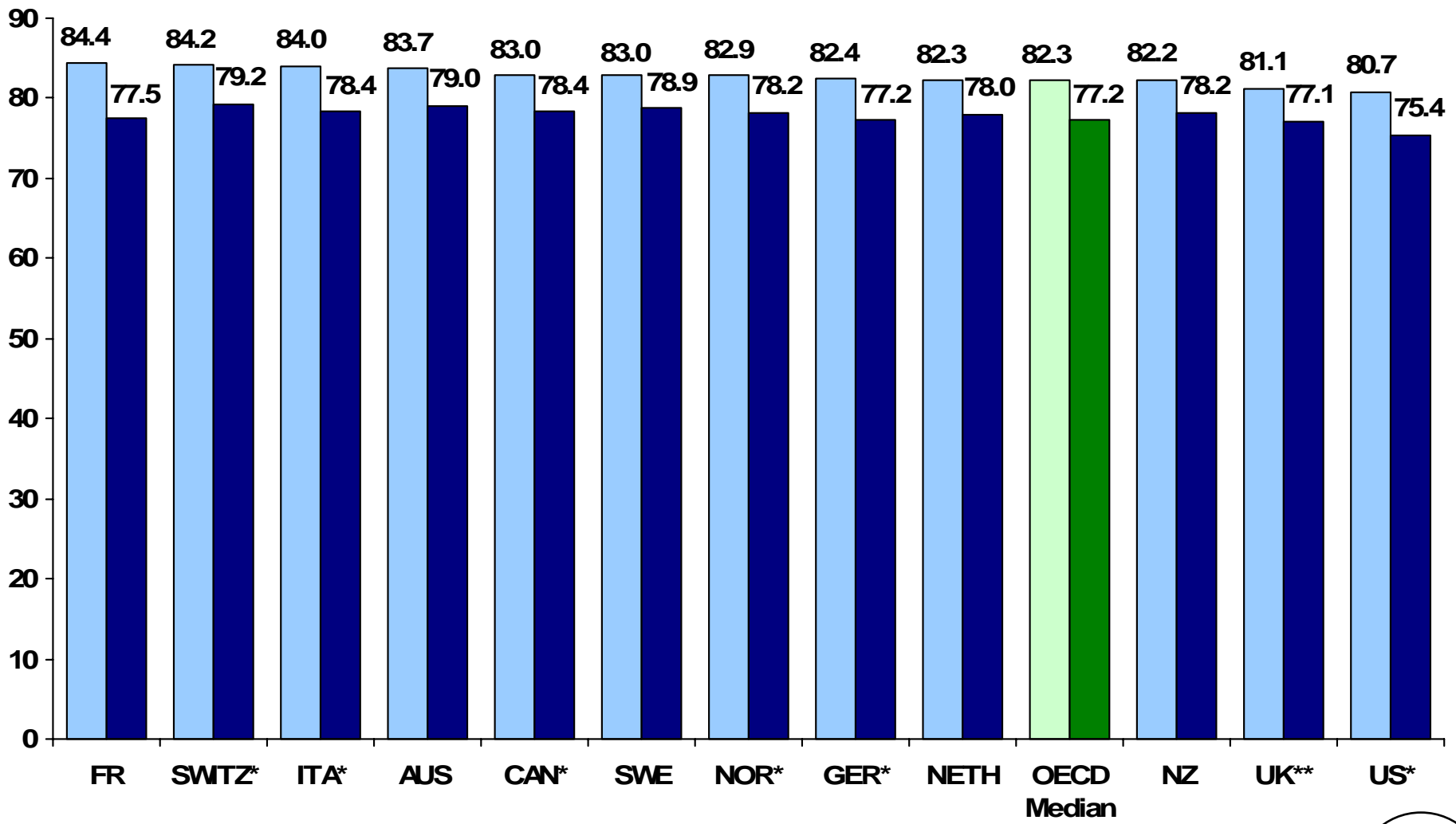
Note: BMI = body mass index. For most countries, BMI estimates are based on national health interview surveys (self-reported data). However, the estimates for the US, UK, and New Zealand are based on actual measurements of weight and height, and estimates based on actual measurements are usually significantly higher than those based on self-report.

Source: OECD Health Data 2009 (June 2009).

# Life Expectancy at Birth, 2007

Years

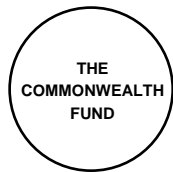
Female Male



\* 2006

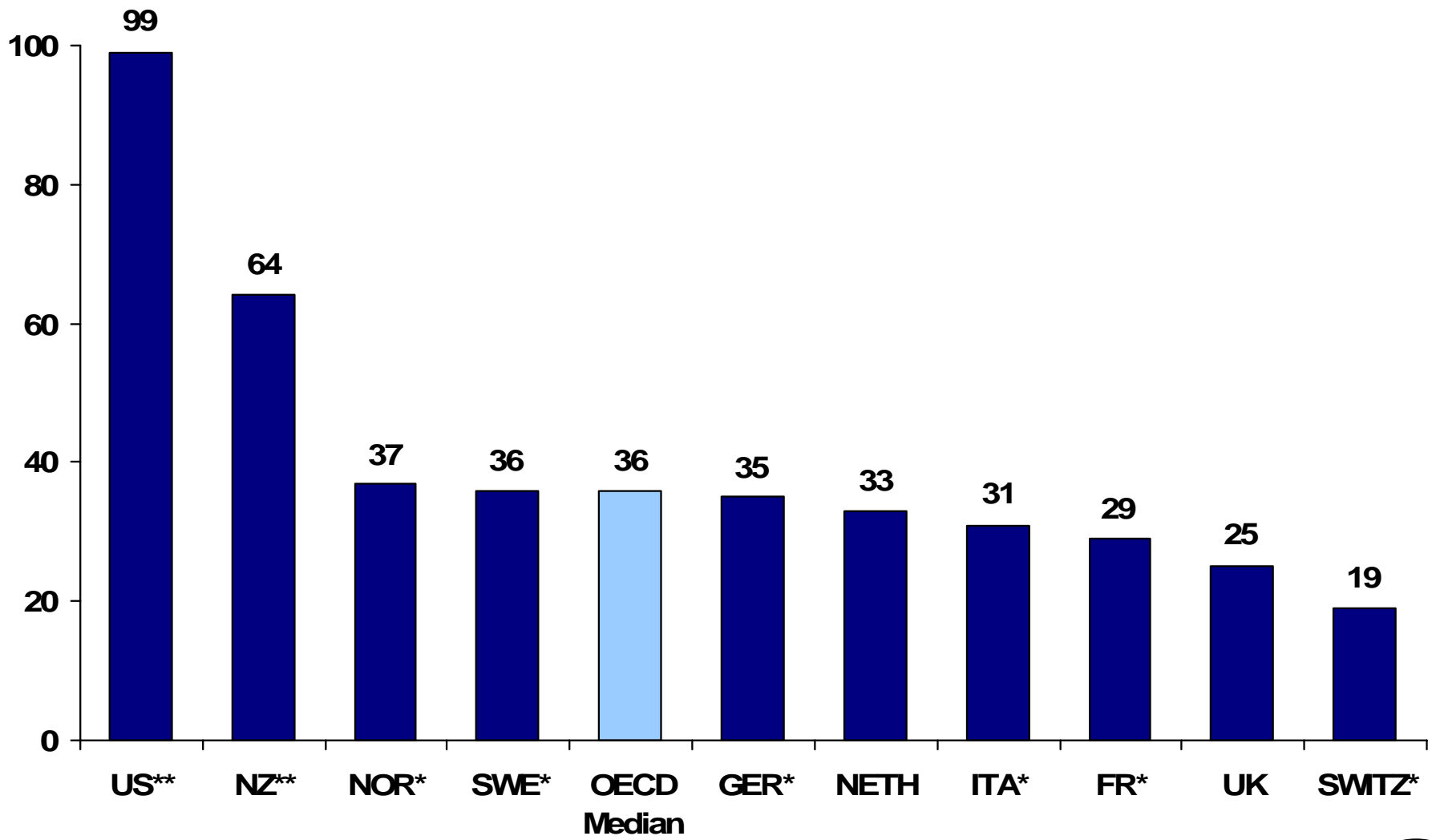
\*\* 2005

Source: OECD Health Data 2009 (June 2009).





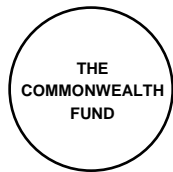
# Potential Years of Life Lost Because of Diabetes per 100,000 Population, 2007



\* 2006

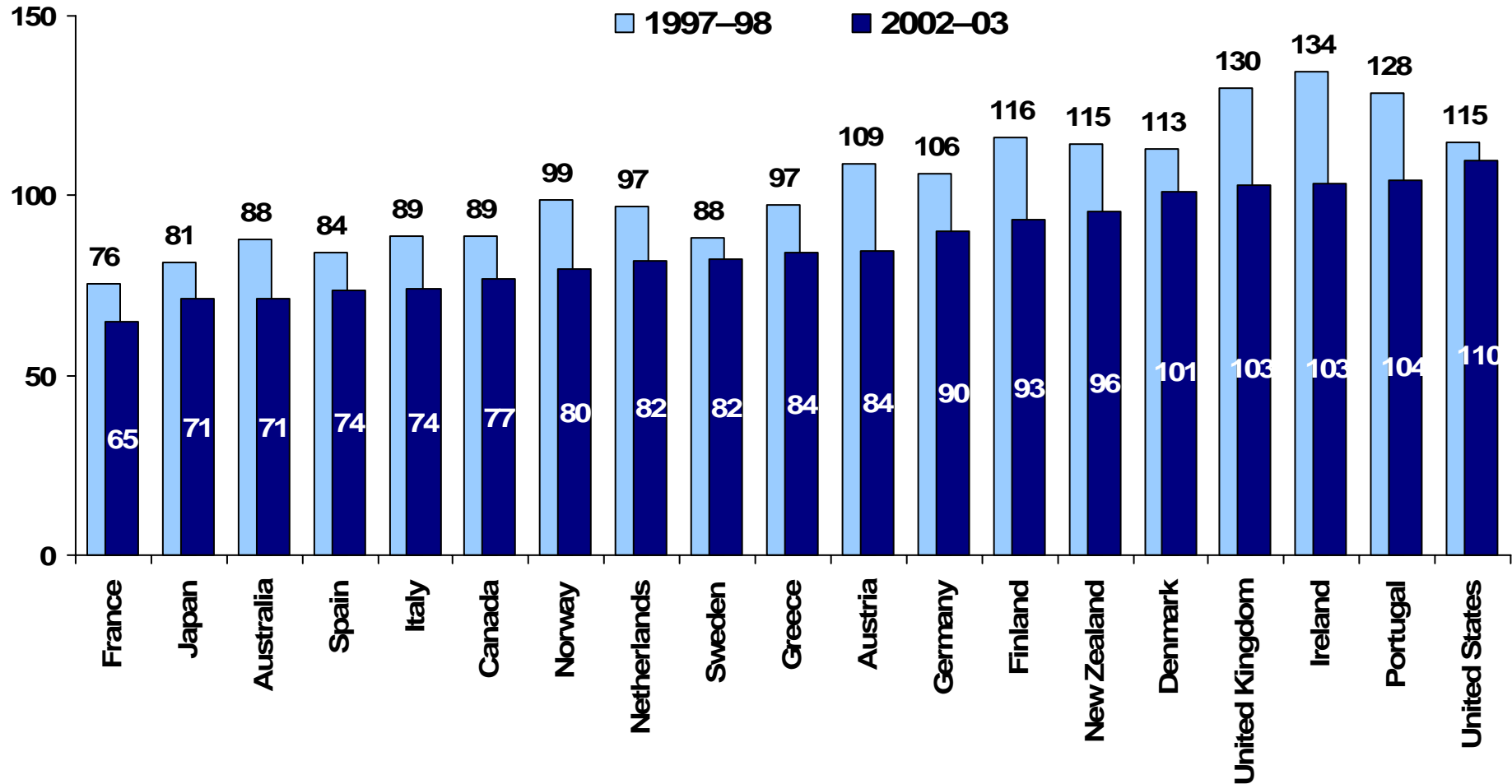
\*\* 2005

Source: OECD Health Data 2009 (June 2009).



# Mortality Amenable to Health Care

Deaths per 100,000 population\*



\* Countries' age-standardized death rates before age 75; includes ischemic heart disease, diabetes, stroke, and bacterial infections.

Data: E. Nolte and C. M. McKee, "Measuring the Health of Nations: Updating an Earlier Analysis," *Health Affairs*, Jan./Feb. 2008 27(1):58-71.

Source: Commonwealth Fund National Scorecard on U.S. Health System Performance, 2008.