



# IHE: In Your Pocket 2010

## A Handbook of Health Economic Statistics

The Institute for Health Economics [www.ihe.ca](http://www.ihe.ca)

# Introduction

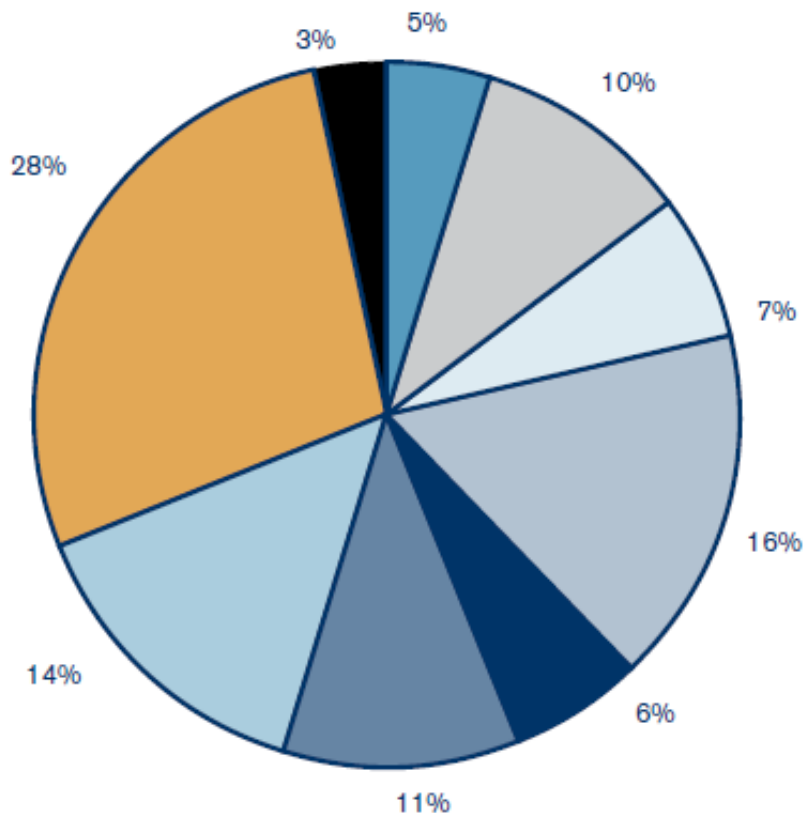
IHE In Your Pocket (IHE IYP) presents a bird's eye view of the Canadian healthcare system with international comparisons. We present topics related to resources first, addressing in turn expenditures, physical resources, prices, investment and technology, utilization of services, sources of finance and personal health behaviors. Lastly we present indicators of health status and data relating to the performance of the health care system.

## Project Staff

- John Sproule, Project Director
- Jessica Moffatt, Research Associate

## Health Care Resources

## Total health expenditures Canada, 2009

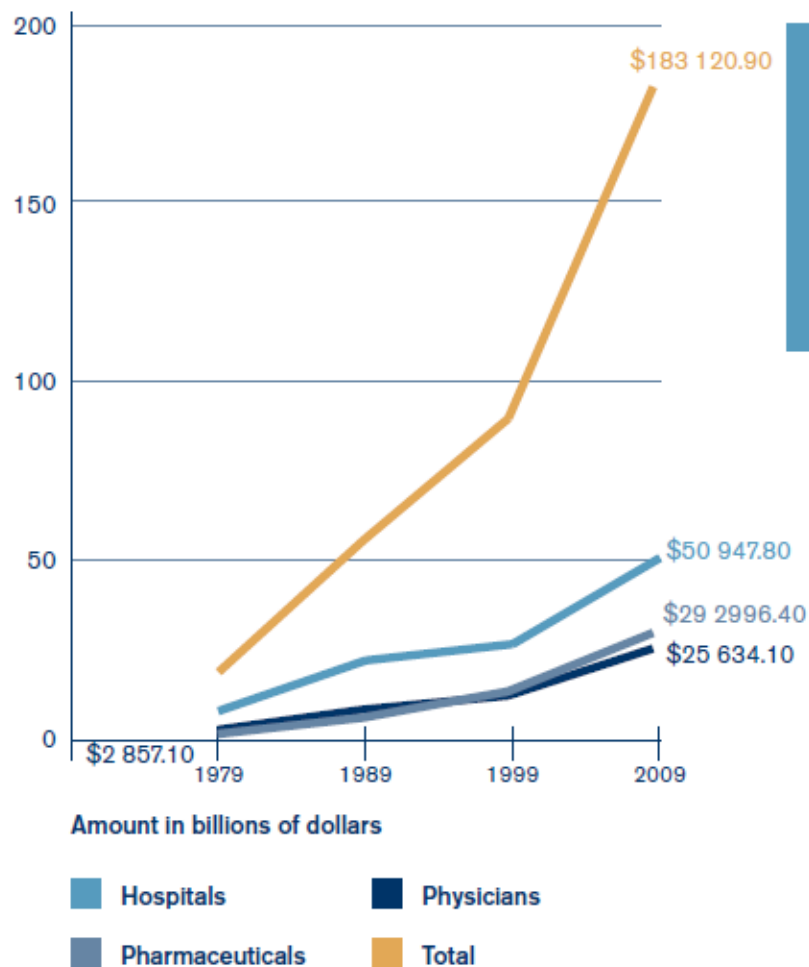


Percentage distribution of \$183.1 billion

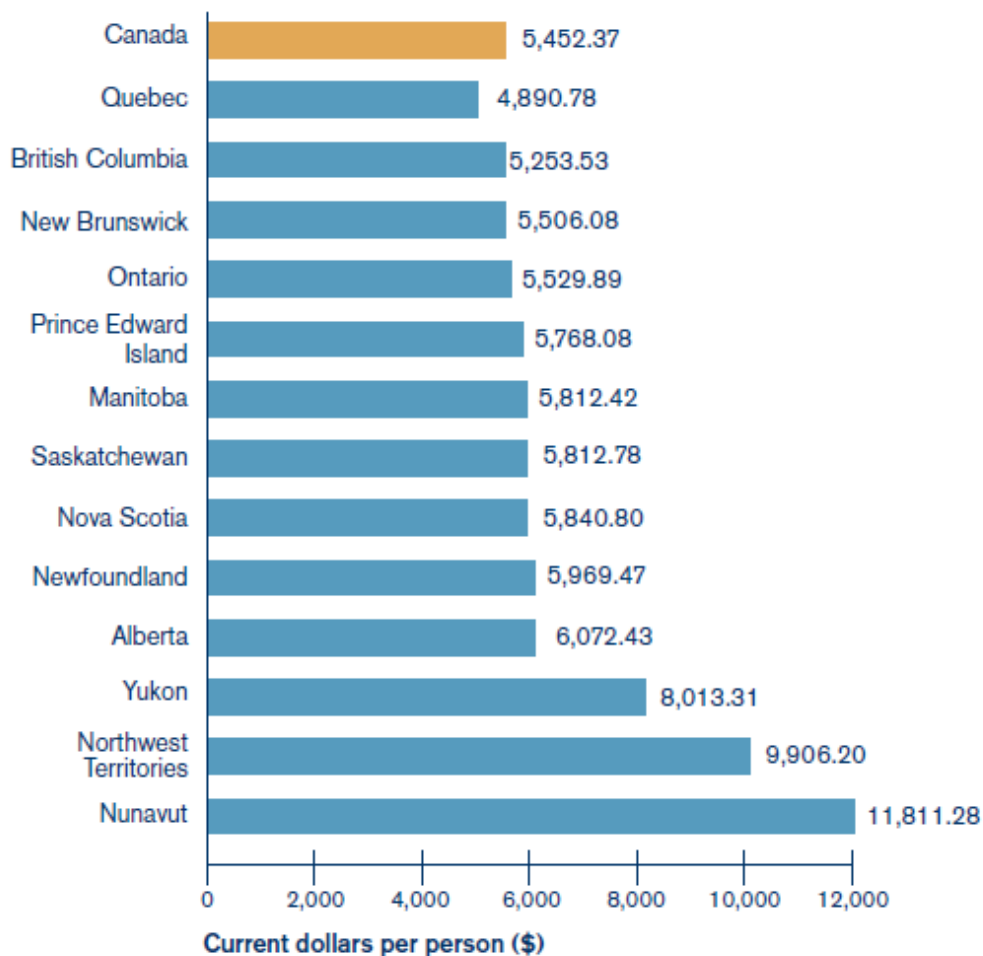


## Selected health expenditures

Canada, 1979 to 2009



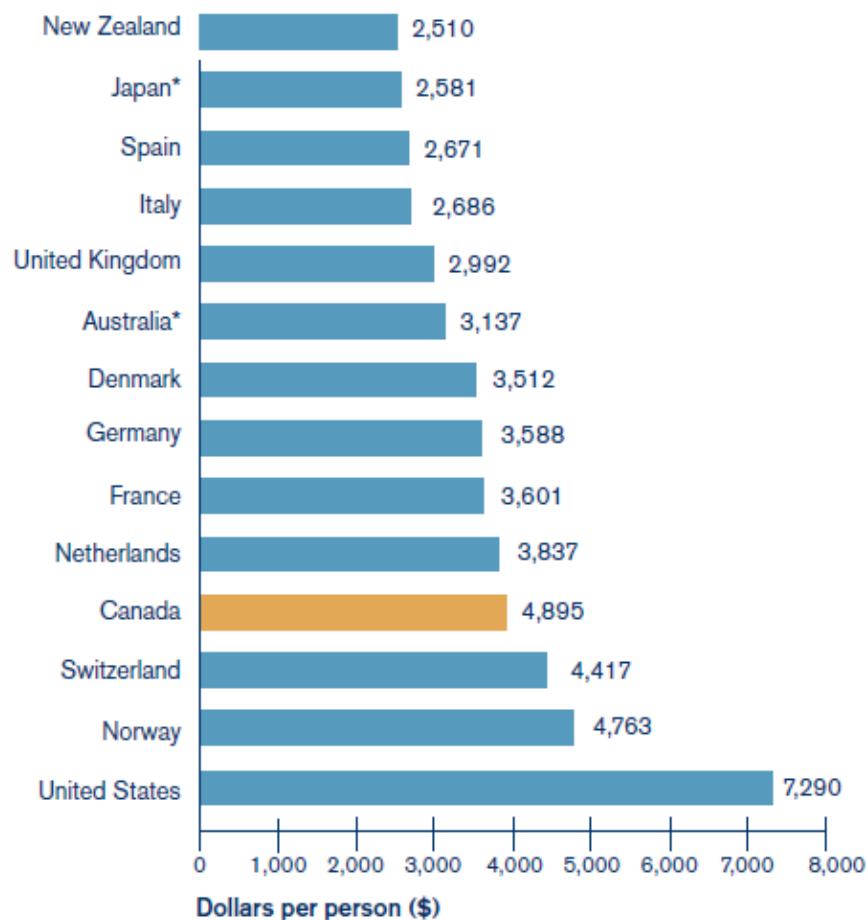
## Total health expenditures per capita per year Canada, 2009



Note: forecast data

Source: Health Indicators 2009, Canadian Institute for Health Information. Accessed at [http://secure.cihi.ca/cihiweb/en/media\\_20091119\\_tab3\\_e.html](http://secure.cihi.ca/cihiweb/en/media_20091119_tab3_e.html) April 29th, 2010. [www.cihi.ca](http://www.cihi.ca)

## Total health expenditures per capita in US dollars selected countries, 2007



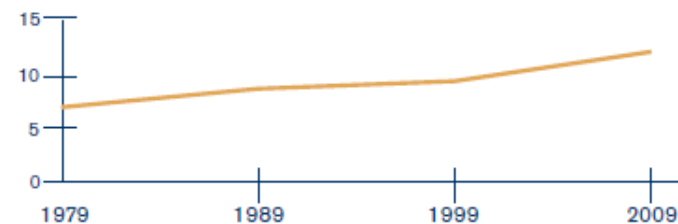
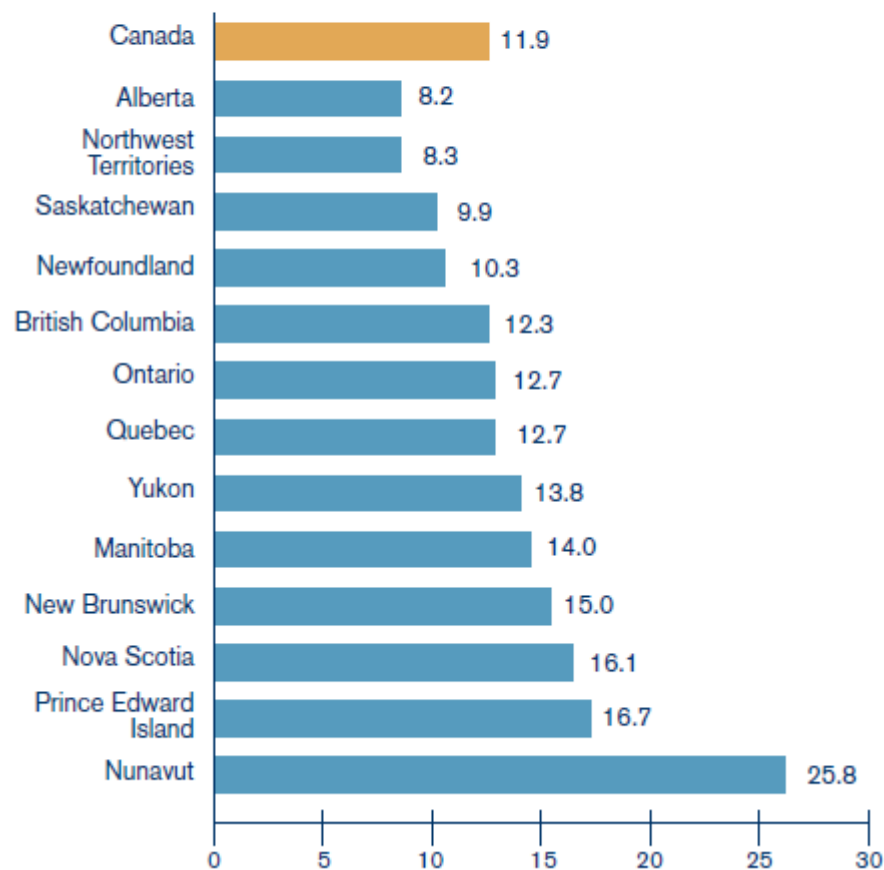
Notes: \*Data for 2006

Source: Health at a Glance, 2009

Accessed at [http://www.oecd.org/document/11/0,3343,](http://www.oecd.org/document/11/0,3343,en_2649_33929_16502667_1_1_1_37407,00.html#B5)

en\_2649\_33929\_16502667\_1\_1\_1\_37407,00.html#B5 April 22nd, 2010. [www.oec.org](http://www.oec.org)

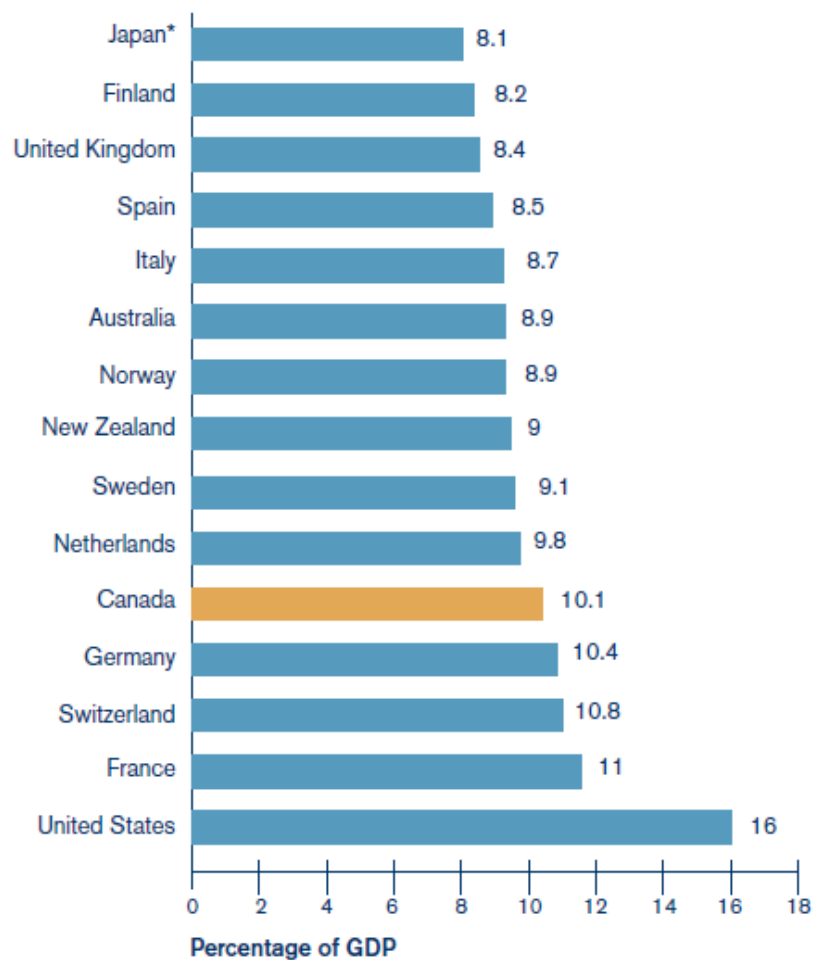
## Health expenditures as percentage of GDP Canada, 2009



Health expenditures as a percentage of GDP  
Canada 1979 to 2009



## Health expenditures as percentage of GDP selected countries, 2007



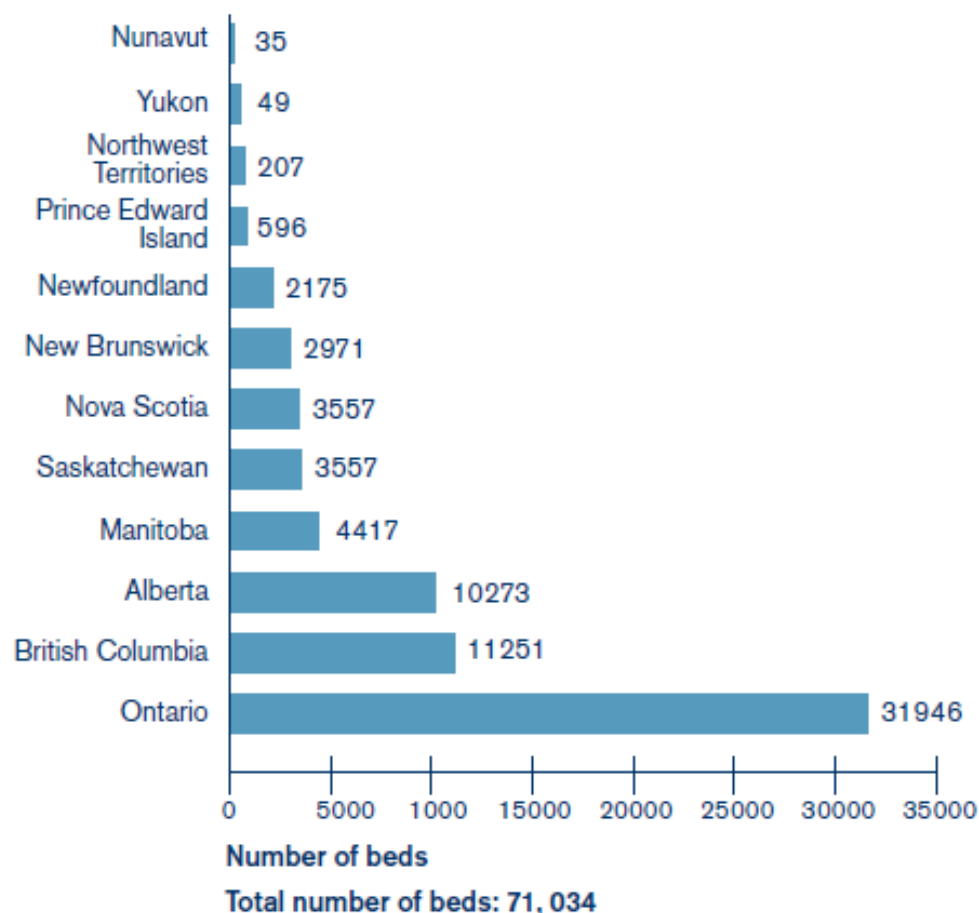
Note:\*Data for 2006

Source: OECD stat extracts.

Paris: Organization for Economic Co-operation and Development; 2010.

## Hospital beds

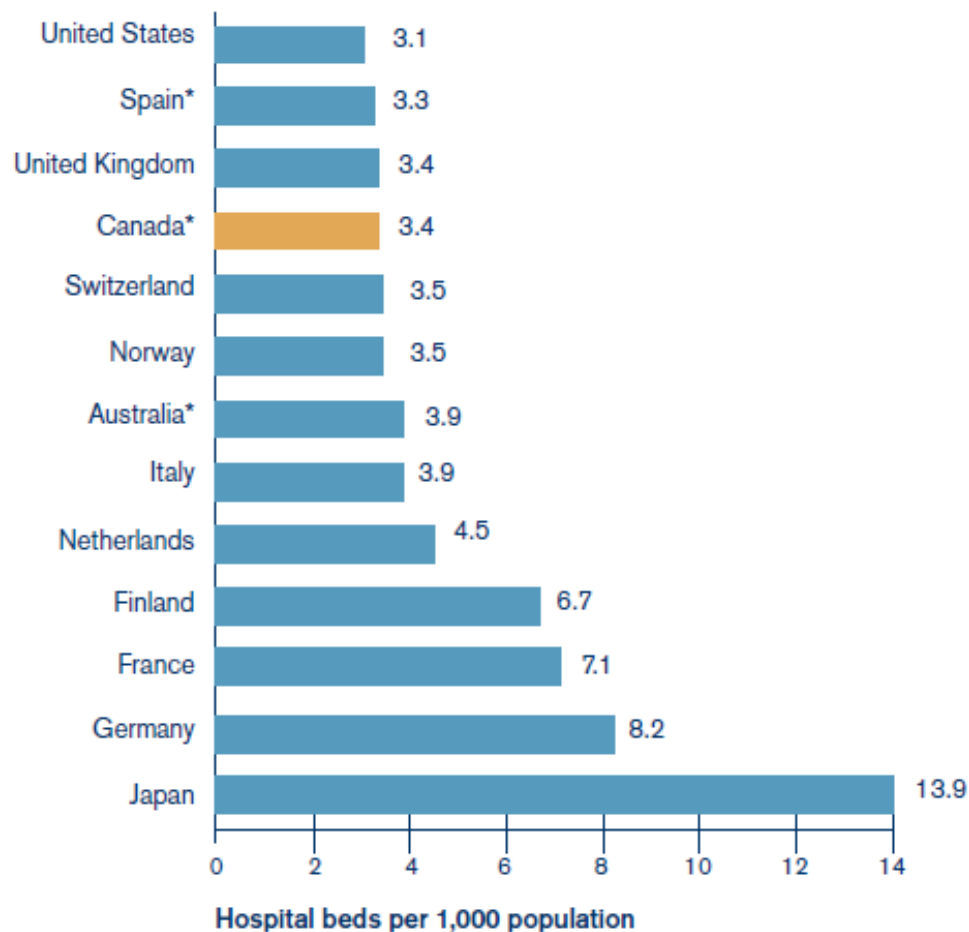
### Canada, 2007



Note: No data available for Quebec

Source: Canadian MIS Database (CMDB), CIHI, 2008-2009. Accessed at [http://secure.cihi.ca/cihiweb/dispPage.jsp?cw\\_page=statistics\\_results\\_source\\_cmdb\\_e&cw\\_topic=Canadian%20MIS%20Database%20May%2019,%202010](http://secure.cihi.ca/cihiweb/dispPage.jsp?cw_page=statistics_results_source_cmdb_e&cw_topic=Canadian%20MIS%20Database%20May%2019,%202010); [www.cihi.ca](http://www.cihi.ca)

## Hospital beds selected countries, 2007



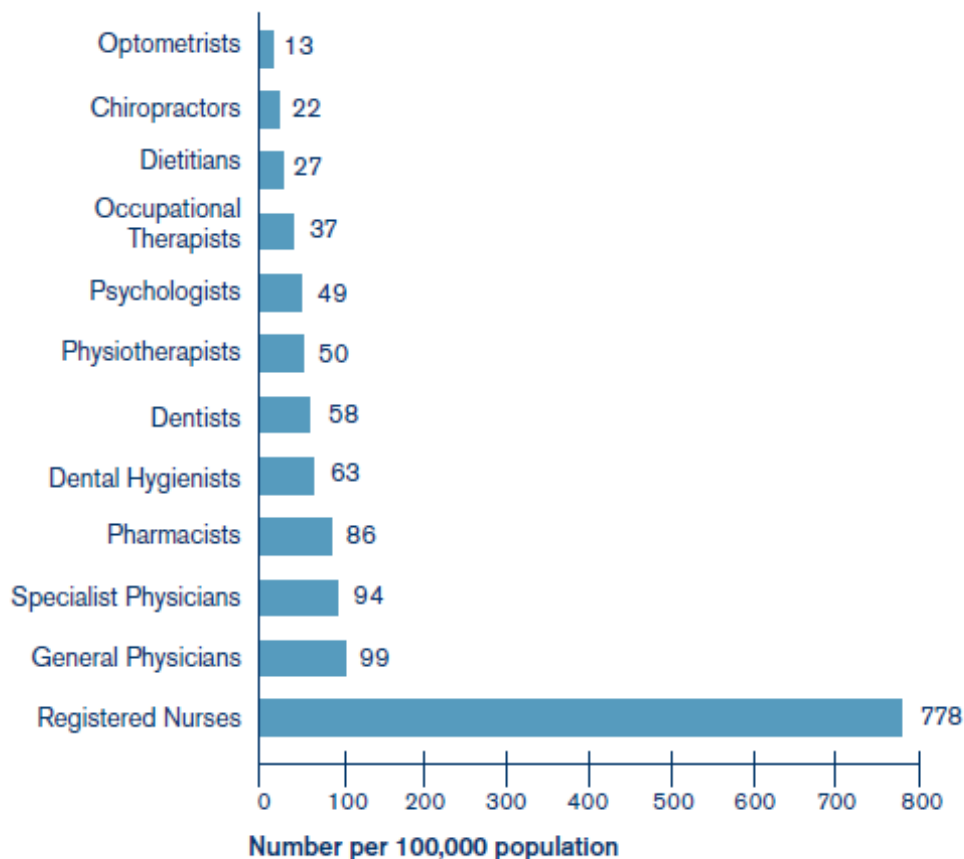
Note: \*Data is for year 2006.

Source: OECD stat extracts.

Paris: Organization for Economic Co-operation and Development; 2010.

Accessed at <http://stats.oecd.org/Index.aspx?querytype=view&queryname=206> on April 8th, 2010. [www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

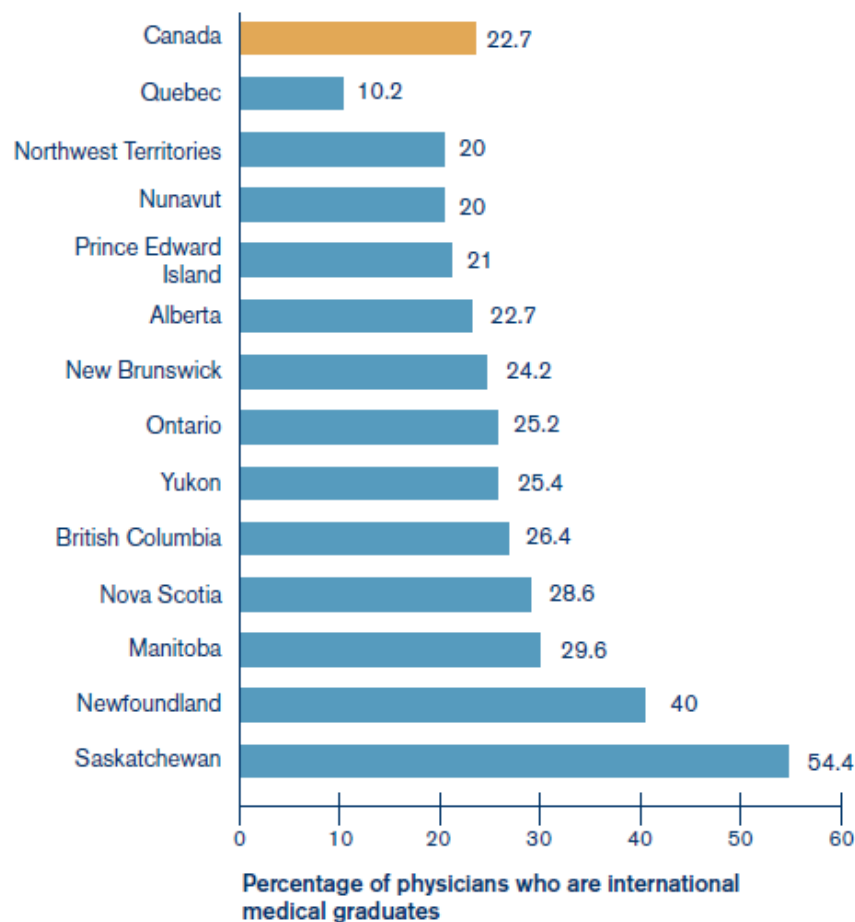
## Health care providers Canada, 2007



Note: Number of physicians per 100,000 population. Counts include all active physicians as of December 31 of the reference year. Physicians in clinical and non-clinical practice are included. Residents and unlicensed physicians who have requested that their information not be published are excluded. Generally, specialist physicians include certificants of the Royal College of Physicians and Surgeons of Canada (RCPSC) and/or the Collège des médecins du Québec (CMQ)

Source: Health Indicators 2009, Canadian Institute for Health Information  
Accessed at [http://secure.cihi.ca/cihiweb/disPage.jsp?cw\\_page=download\\_form\\_e&cw\\_sku=HI2009ENPDF&cw\\_ctt=1&cw\\_dform=Non](http://secure.cihi.ca/cihiweb/disPage.jsp?cw_page=download_form_e&cw_sku=HI2009ENPDF&cw_ctt=1&cw_dform=Non) April 22nd, 2010. [www.cihi.ca](http://www.cihi.ca)

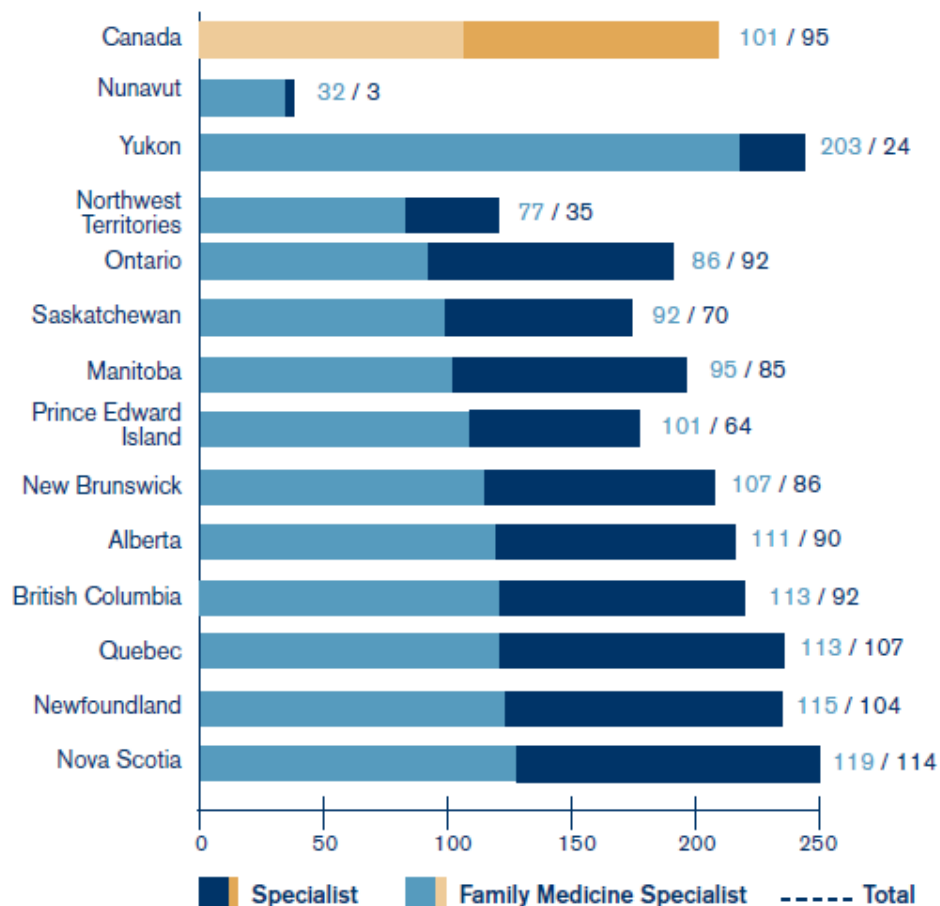
## Physicians who are international medical graduates Canada, 2009



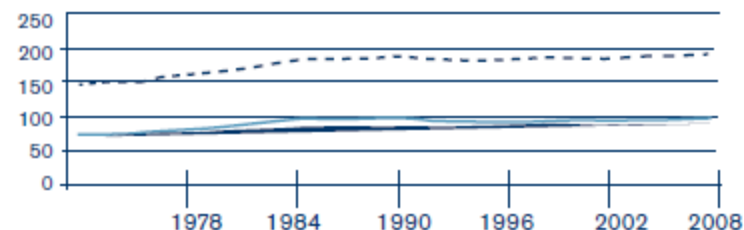
Notes: Excludes residents and physicians over age 80; includes non-clinicians licensed to practice

Source: Canadian Medical Association, Master Files; 2009. Accessed at [http://www.cma.ca/multimedia/CMA/Content/Images/Inside\\_cma/Statistics/09GradCountry.pdf](http://www.cma.ca/multimedia/CMA/Content/Images/Inside_cma/Statistics/09GradCountry.pdf) on April 21, 2010.  
<http://www.cma.ca/>

## Number of physicians Canada, 2008



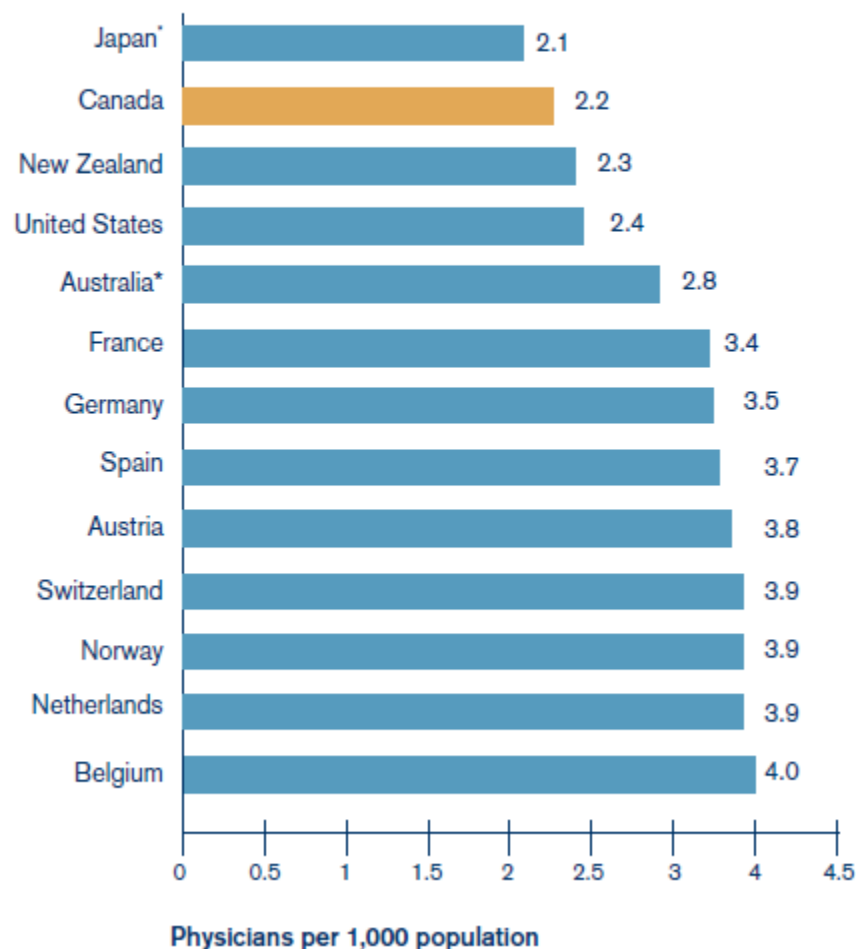
### Physicians per 100,000 population



Note: Includes physicians in clinical practice and those not working in a clinical practice.

Source: Scott's Medical Database, 2008, Canadian Institute for Health Information. Accessed at [http://secure.cihi.ca/cihiweb/products/SMDB\\_2008\\_e.pdf](http://secure.cihi.ca/cihiweb/products/SMDB_2008_e.pdf) on April 8th, 2010. [www.cihi.ca](http://www.cihi.ca).  
Statistics/15-Spec\_per\_pop.pdf on February 8, 2008.

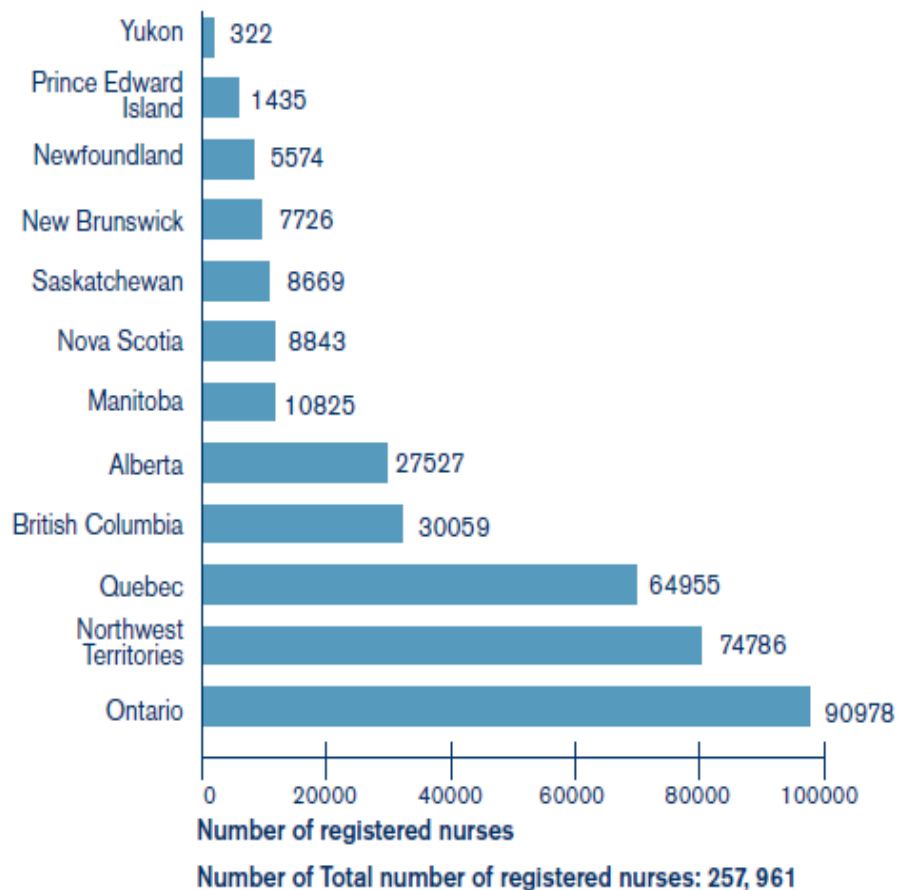
## Physicians selected countries, 2007



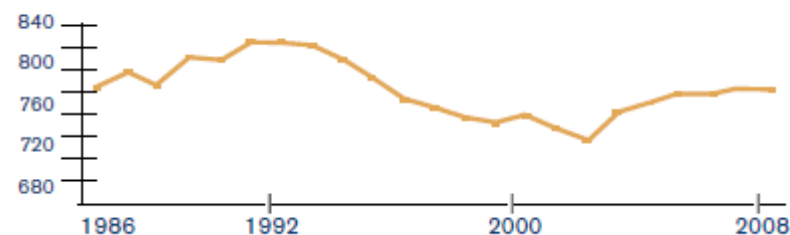
Note: \*Data for 2006

Source: OECD stat extracts. Paris: Organization for Economic Co-operation and Development; 2010. Accessed at <http://stats.oecd.org/Index.aspx?querytype=view&queryname=206> on April 8th, 2010. [www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Registered nurses Canada, 2007



Registered Nurses per 100,000 people  
Canada, 1986-2008



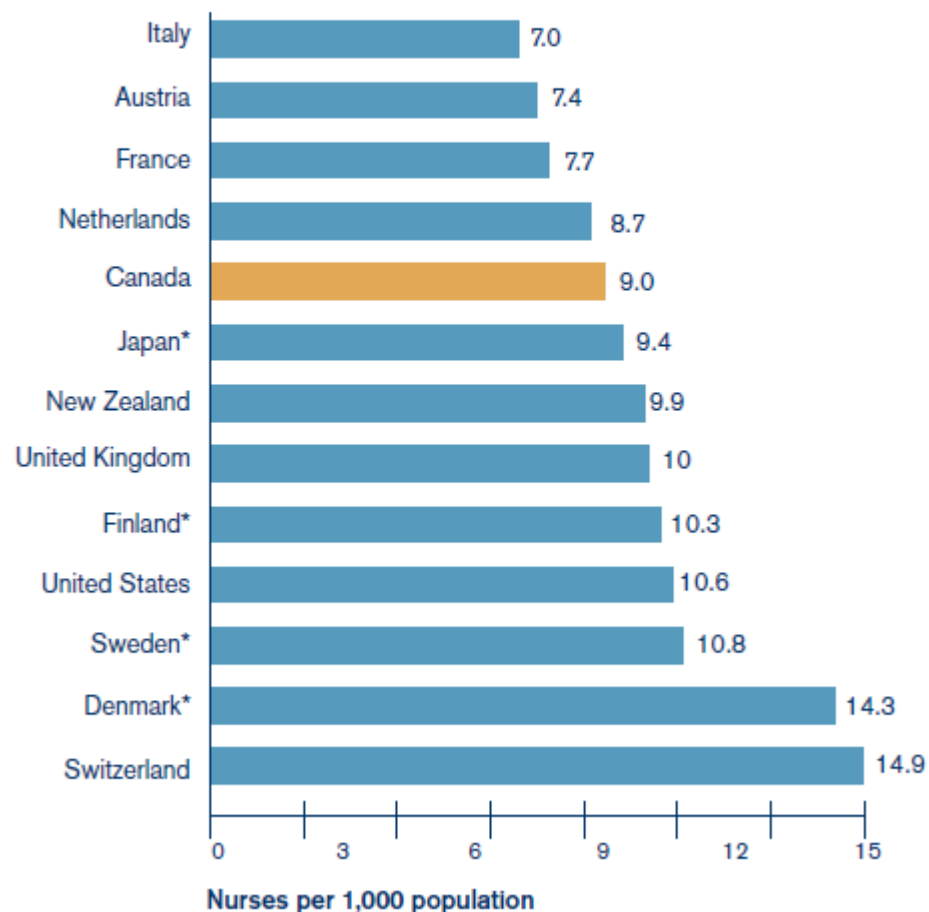
Source: Nursing Database; Canadian Institute for Health Information. Accessed at [http://secure.cihi.ca/cihiweb/products/chapter\\_1\\_rn\\_2004\\_to\\_2008\\_e.pdf](http://secure.cihi.ca/cihiweb/products/chapter_1_rn_2004_to_2008_e.pdf), May 19, 2010; [www.cihi.ca](http://www.cihi.ca)

Notes: North West Territories and Nunavut data were combined for 2007

Source: Canadian Nurses Association, Nursing Workforce Data; 2007. Accessed at [http://www.cna-aiic.ca/CNA/documents/pdf/publications/2007\\_RN\\_Snapshot\\_e.pdf](http://www.cna-aiic.ca/CNA/documents/pdf/publications/2007_RN_Snapshot_e.pdf) on April 21, 2010. <http://www.cma.ca/>



## Registered nurses selected countries, 2007



Note: \*2006 data

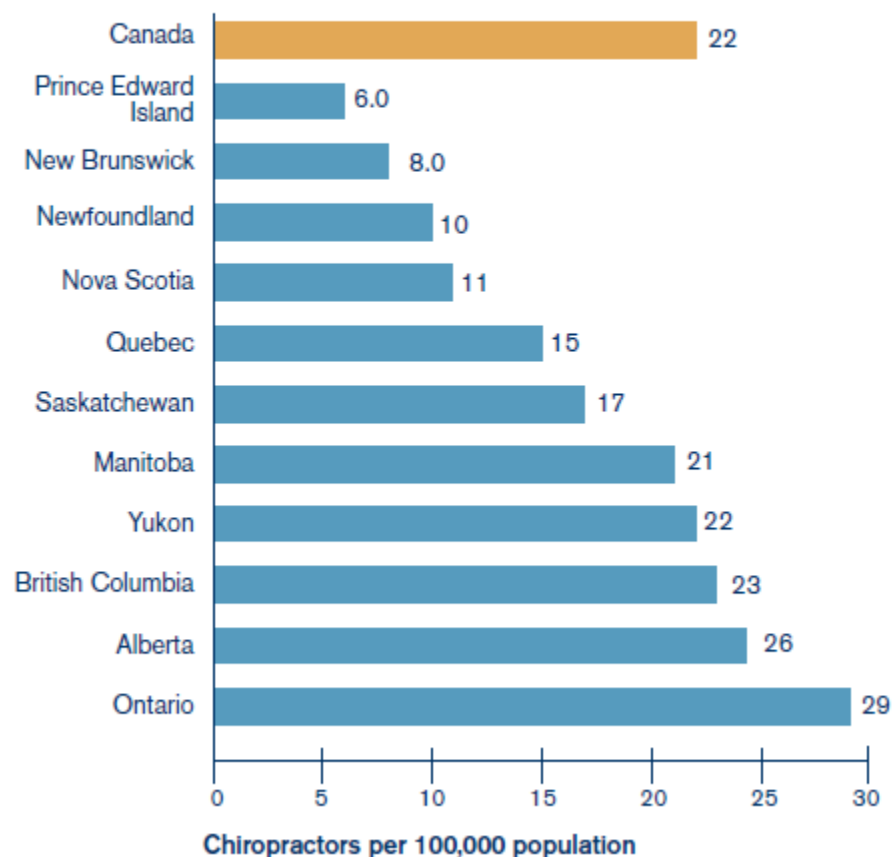
Source: OECD Health Data 2009 - Selected Data

Paris: Organisation for Economic Co-operation and Development; July 2007.

Accessed at <http://stats.oecd.org/Index.aspx> May 4th, 2010.

[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

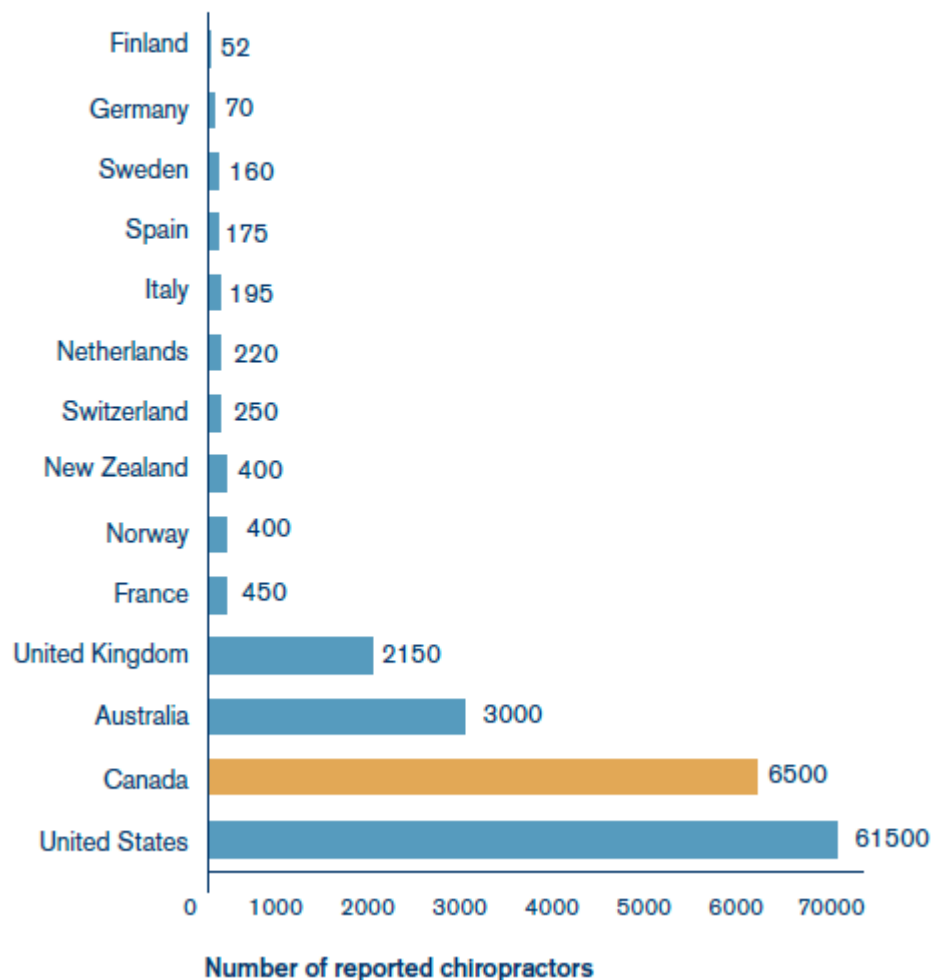
## Chiropractors Canada, 2007



Note: Data not available for North West Territories and Nunavut

Source: Health Indicators 2009, Canadian Institute for Health Information. Accessed at [http://secure.cihi.ca/cihiweb/disPage.jsp?cw\\_page=download\\_form\\_e&cw\\_sku=HI2009ENPDF&cw\\_ctt=1&cw\\_dform=Non](http://secure.cihi.ca/cihiweb/disPage.jsp?cw_page=download_form_e&cw_sku=HI2009ENPDF&cw_ctt=1&cw_dform=Non) April 22nd, 2010.

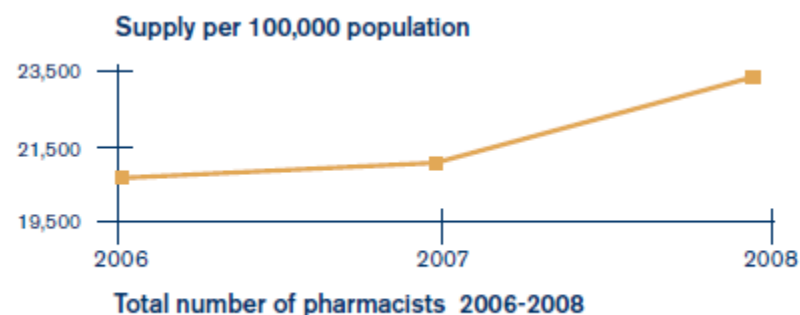
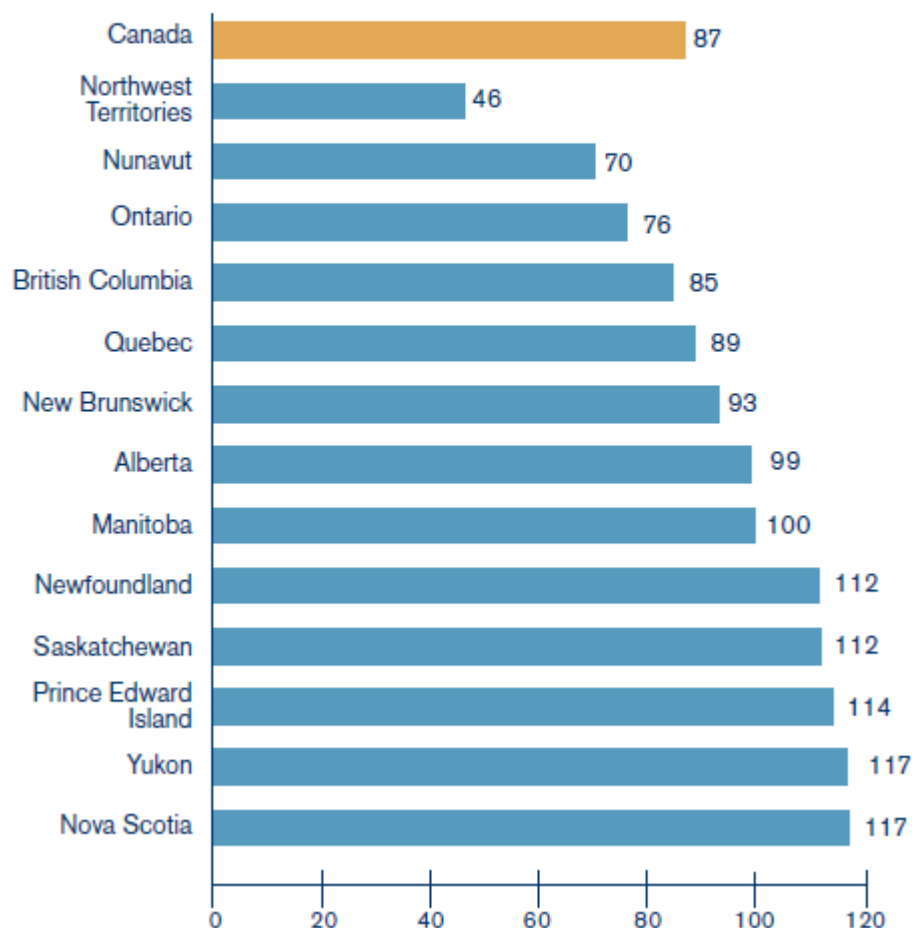
## Chiropractors selected countries, 2009



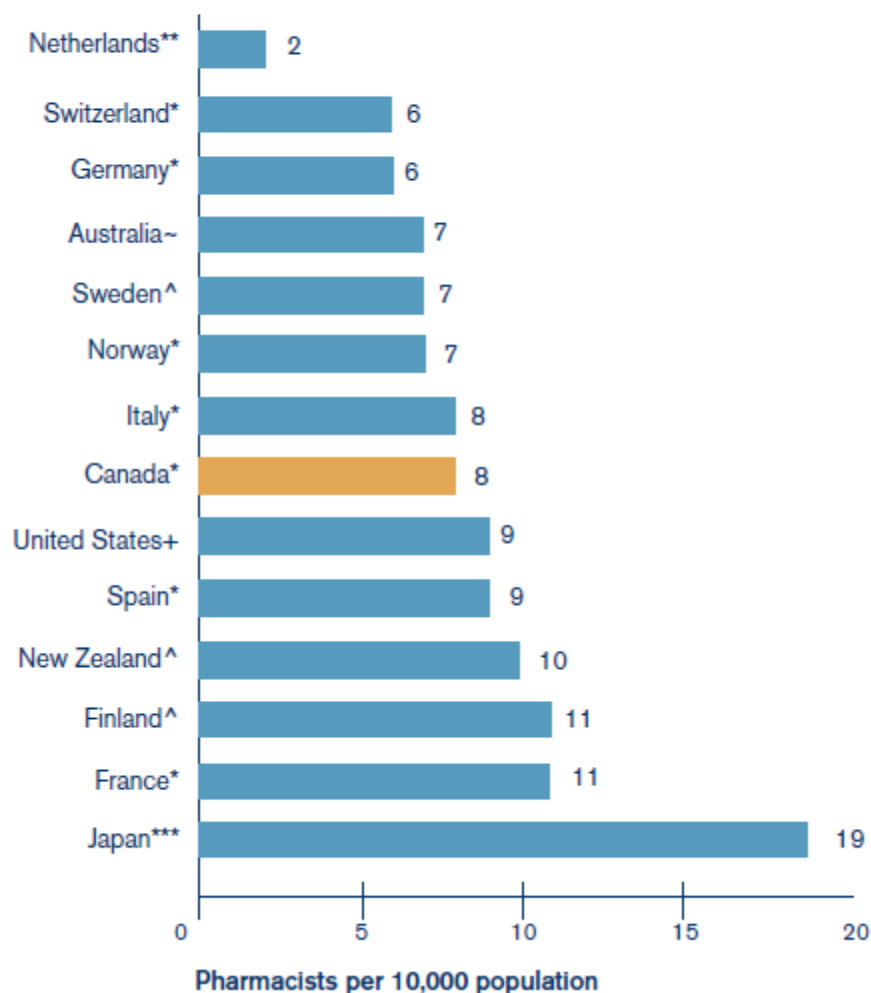
Source: Number of chiropractors - global statistics. Chiropractic Diplomatic Corp; 2008.  
Accessed at <http://www.chiropracticdiplomatic.com/country/worldlist.html> on 26 February 2008.

OECD stat extracts. Paris: Organisation for Economic Co-operation and Development; 2008.  
Accessed at <http://stats.oecd.org/WBOS/Default.aspx?QueryName=254&QueryType=View>  
on February 26, 2008. [www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Pharmacists Canada, 2008



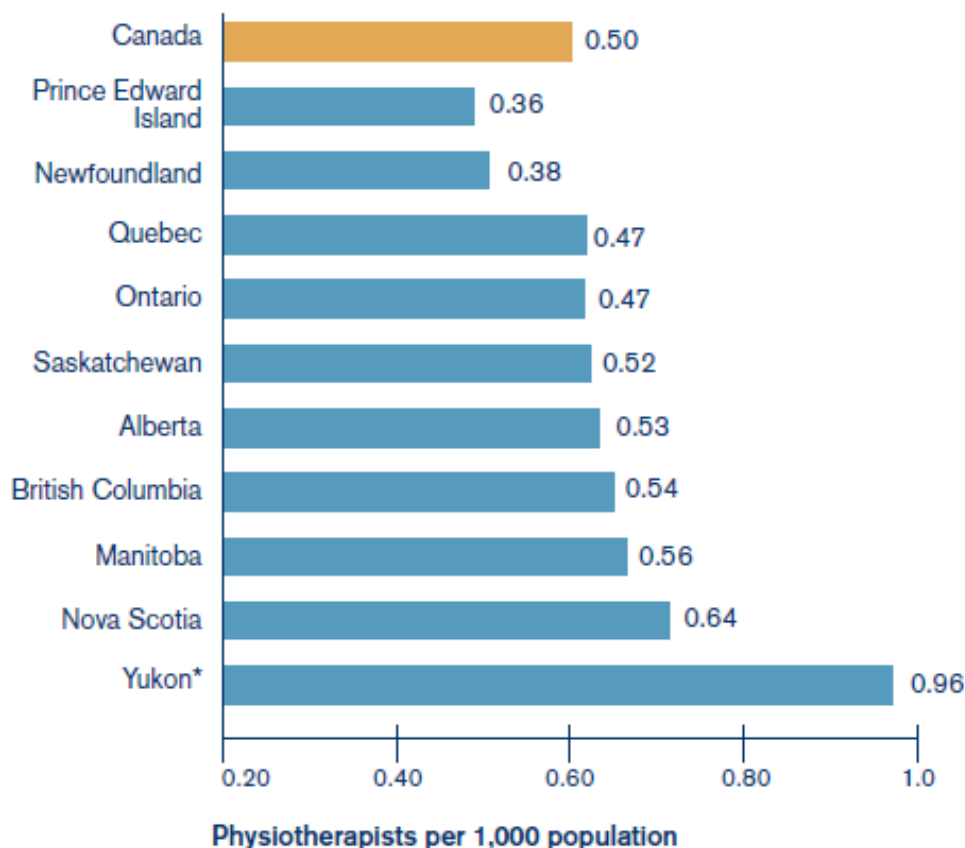
## Pharmacists selected countries, 2000-2006



Note: \*Data for 2006; \*\* 2005; \*\*\*2004; ^ 2003; ~2001; +2000

Source: OECD stat extracts. Paris: Organization for Economic Co-operation and Development; 2010. Accessed at <http://stats.oecd.org/Index.aspx?querytype=view&queryname=206> on April 8th, 2010. [www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

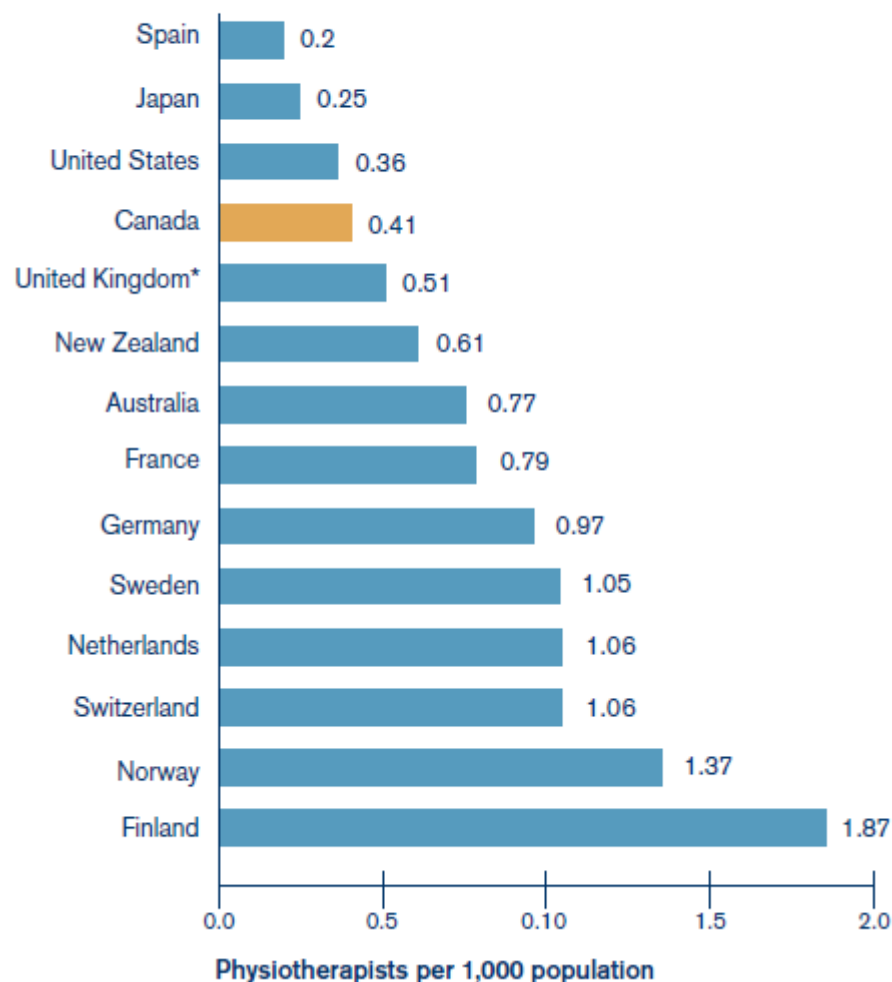
## Physiotherapists Canada, 2007



Note: Data for the Yukon includes secondary registration; No data for North West Territories and Nunavut

Source: Health Indicators 2009, Canadian Institute for Health Information. Accessed at [http://secure.cihi.ca/cihiweb/dispPage.jsp?cw\\_page=download\\_form\\_e&cw\\_sku=HI2009ENPDF&cw\\_ctt=1&cw\\_dform=Non](http://secure.cihi.ca/cihiweb/dispPage.jsp?cw_page=download_form_e&cw_sku=HI2009ENPDF&cw_ctt=1&cw_dform=Non) April 22nd, 2010. [www.cihi.ca](http://www.cihi.ca)

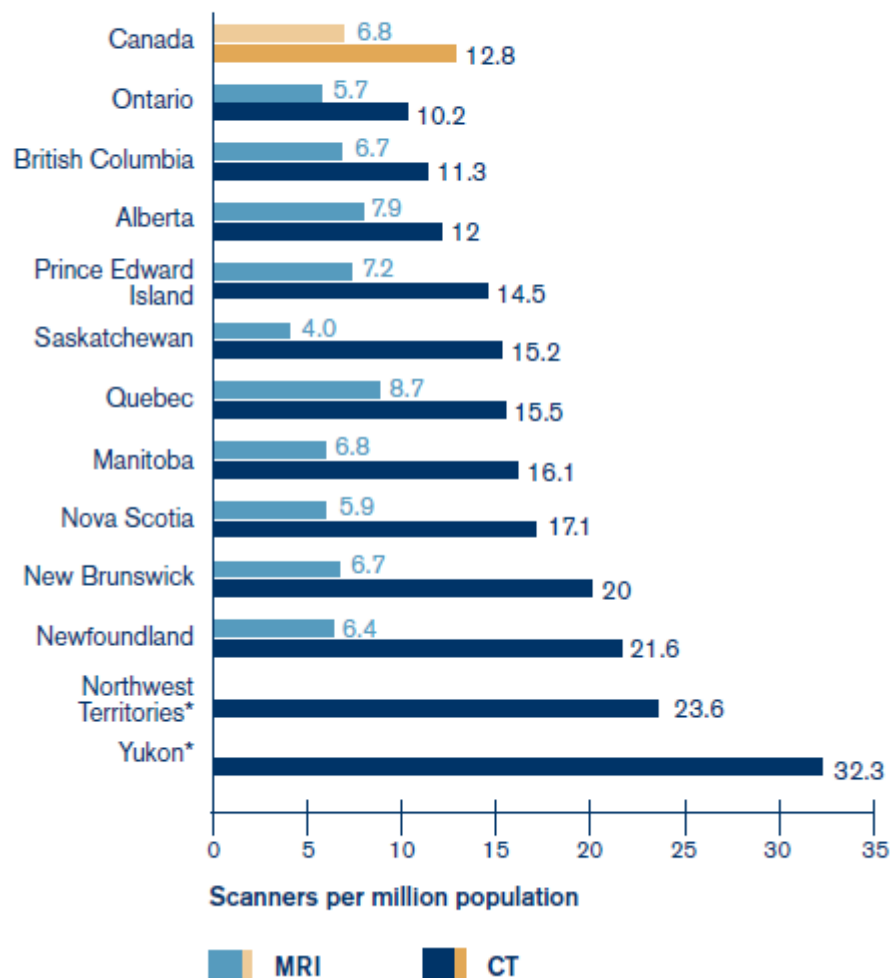
## Physiotherapists selected countries, 2007



Note: the UK figure is the number of members of the World Confederation for Physical Therapy. The others are the number of practicing physiotherapists.

Source: World Confederation for Physical Therapy. International profile of member organizations - personal communication on May 16, 2008.

## CT and MRI scanners Canada, 2007

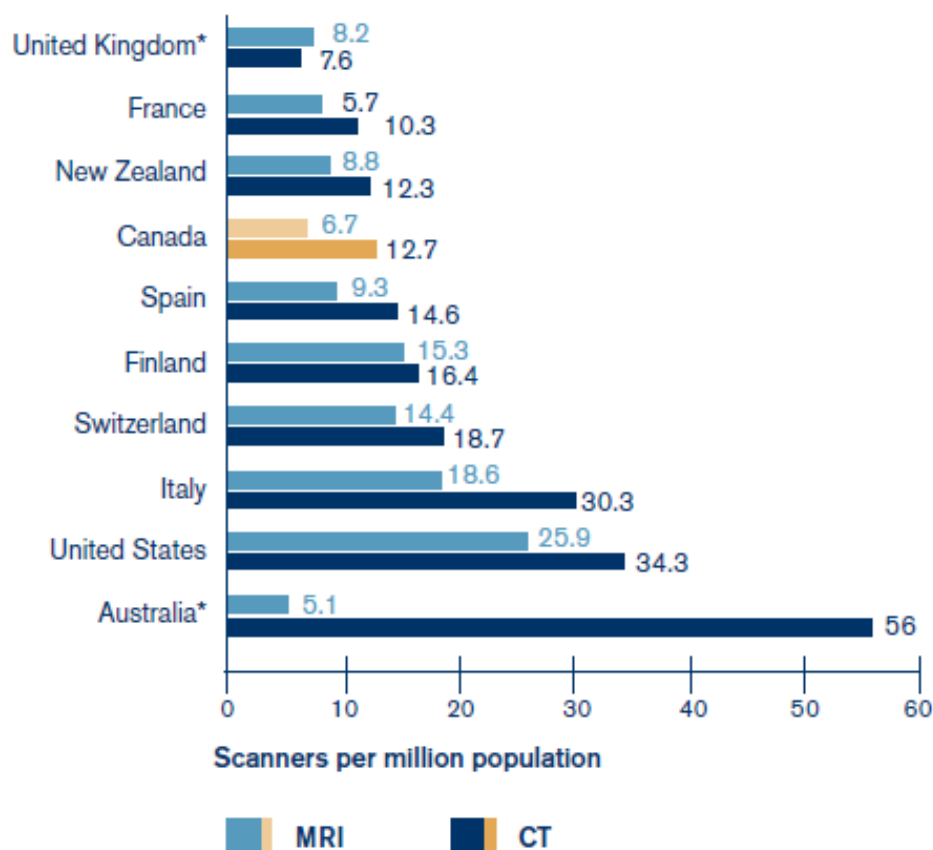


Note: \*No MRI data available for Territories

Source: Health Indicators 2009, Canadian Institute for Health Information. Accessed at [http://secure.cihi.ca/cihiweb/en/media\\_13jan2005\\_fig6\\_e.html](http://secure.cihi.ca/cihiweb/en/media_13jan2005_fig6_e.html) April 29th, 2010. [www.cihi.ca](http://www.cihi.ca)



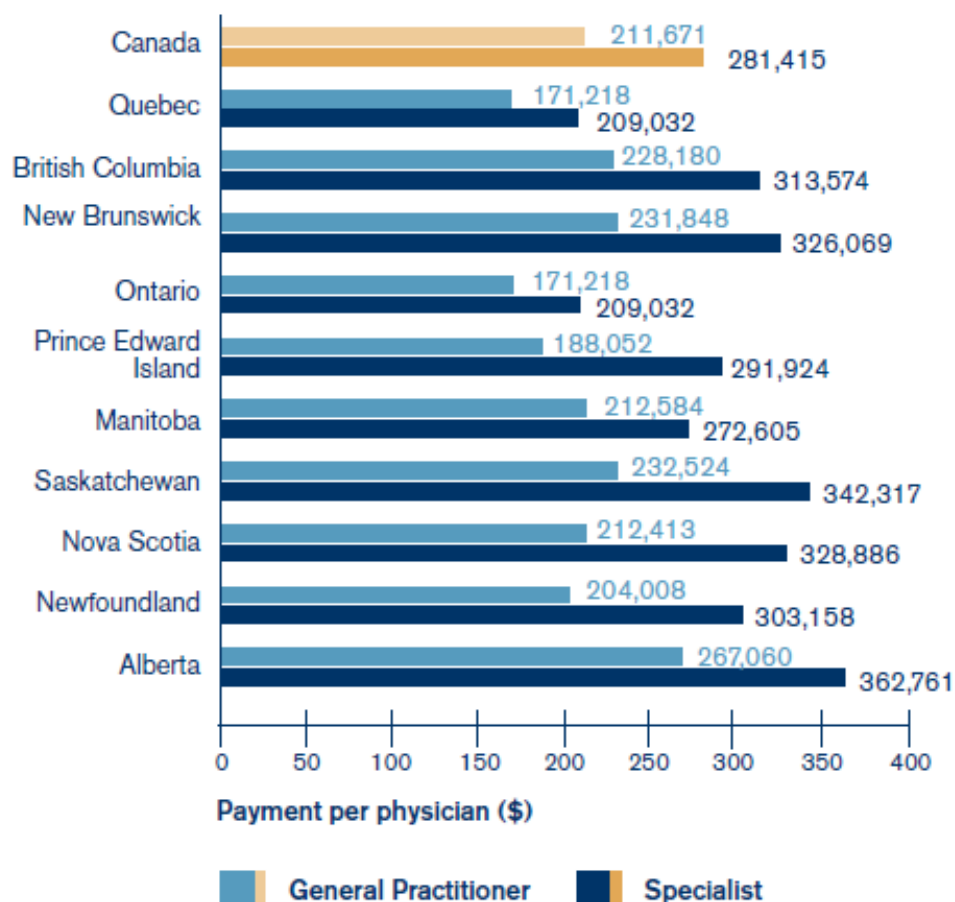
## CT and MRI scanners selected countries, 2007



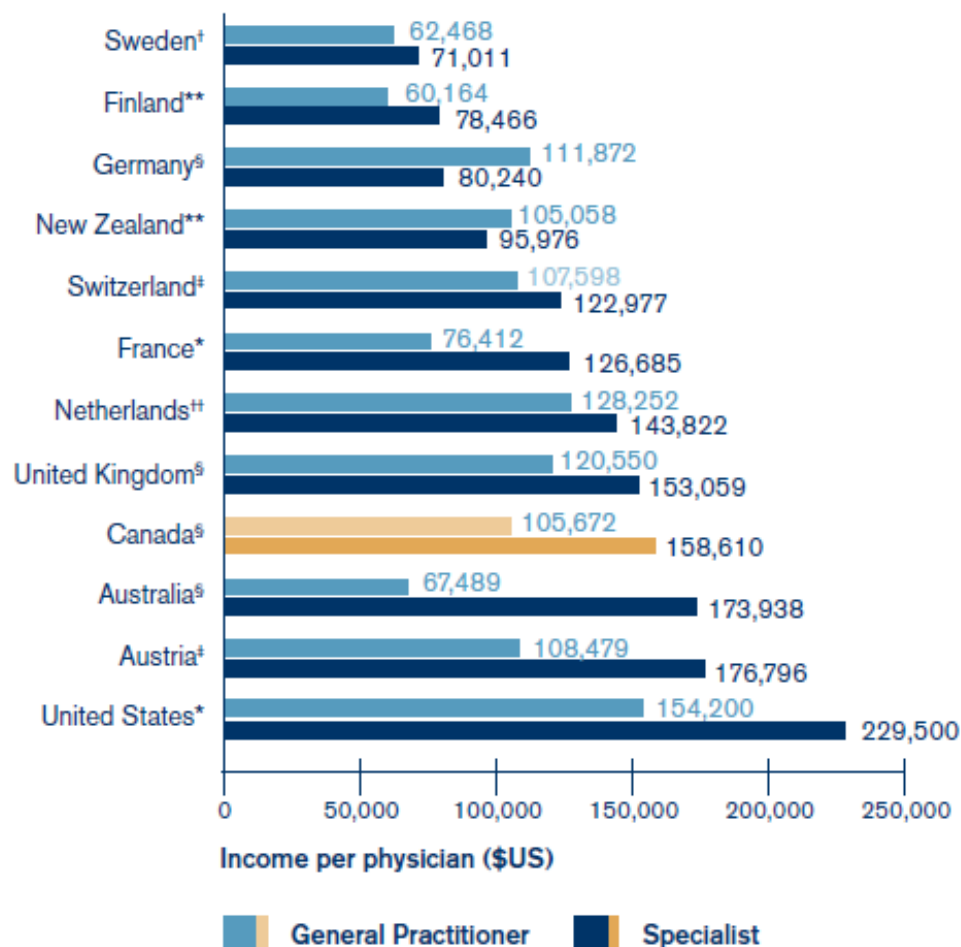
Note: \*MRI data for Australia is based on 2006 information; \*CT data for United Kingdom is based on 2006 information

Source: OECD Health Data 2009 - Selected Data. Accessed at <http://stats.oecd.org/Index.aspx> May 4th, 2010. [www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Physician gross payments Canada, 2006



## Physician earned incomes selected countries



Note: Physician salary data is for various years: \*2001, †2002, ‡2003, §2004, \*\*2005, ††2006

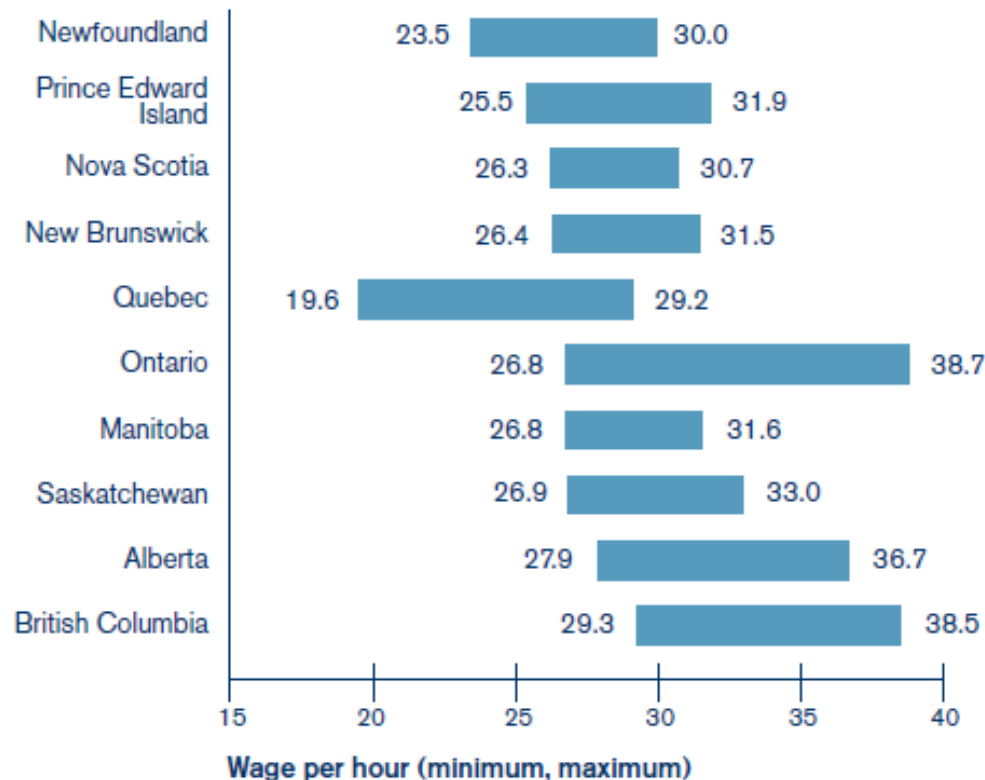
Source: OECD health data 2007: statistics and indicators for 30 countries [CD-ROM].

Paris: Organisation for Economic Co-operation and Development; 2008.

[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Nurses' wages

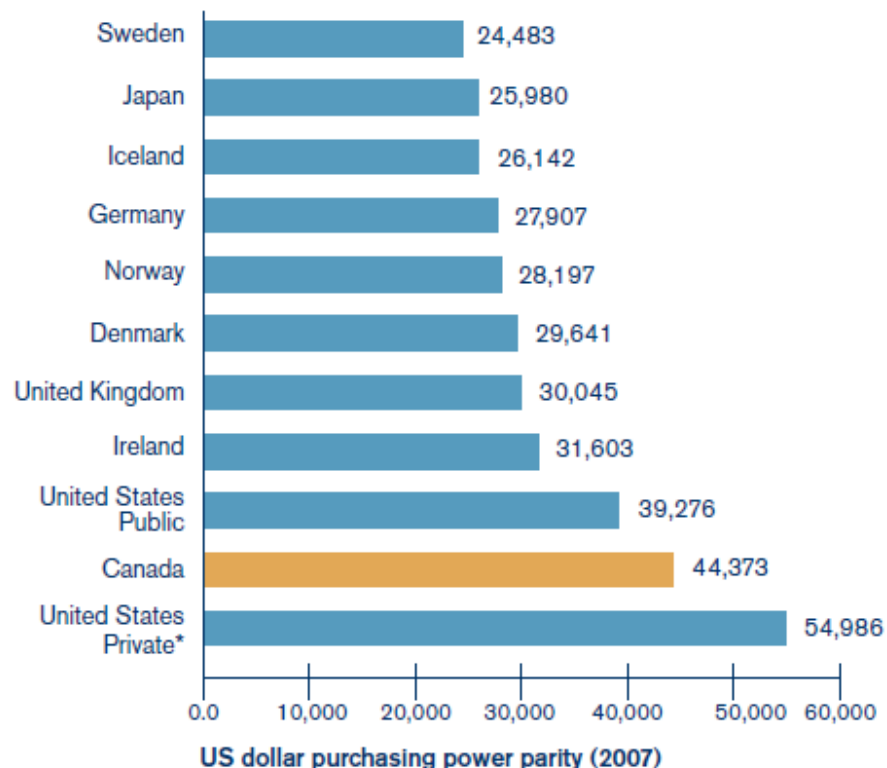
Canada, for contracts expiring  
between 2006 to 2010



Note: Nursing salary contracts differ by province. Contract terms range from 2006 to 2010.

Source: How do the salaries of nurses in Ontario compare with those in other provinces? Toronto: Ontario Nurses' Association; 2008. Accessed on February 26, 2008 at <http://www.ona.org/faq>.

## Starting salaries for nurses working in public sector hospitals selected countries, 2007



Note: \*The majority of nurses work in the private sector in the U.S.

Purchasing Power Parity (PPP) is currency conversion rates that both converted to a common currency and equalise the purchasing power of different currencies. They eliminate the differences in price levels between countries in the process of conversion.

Source: Nurse wages and their context database summary. Geneva: International Council of Nurses; 2007 Jan. Accessed at [http://www.icn.ch/Flash/sew\\_wff\\_data\\_sum07.swf](http://www.icn.ch/Flash/sew_wff_data_sum07.swf) on February 1, 2008.

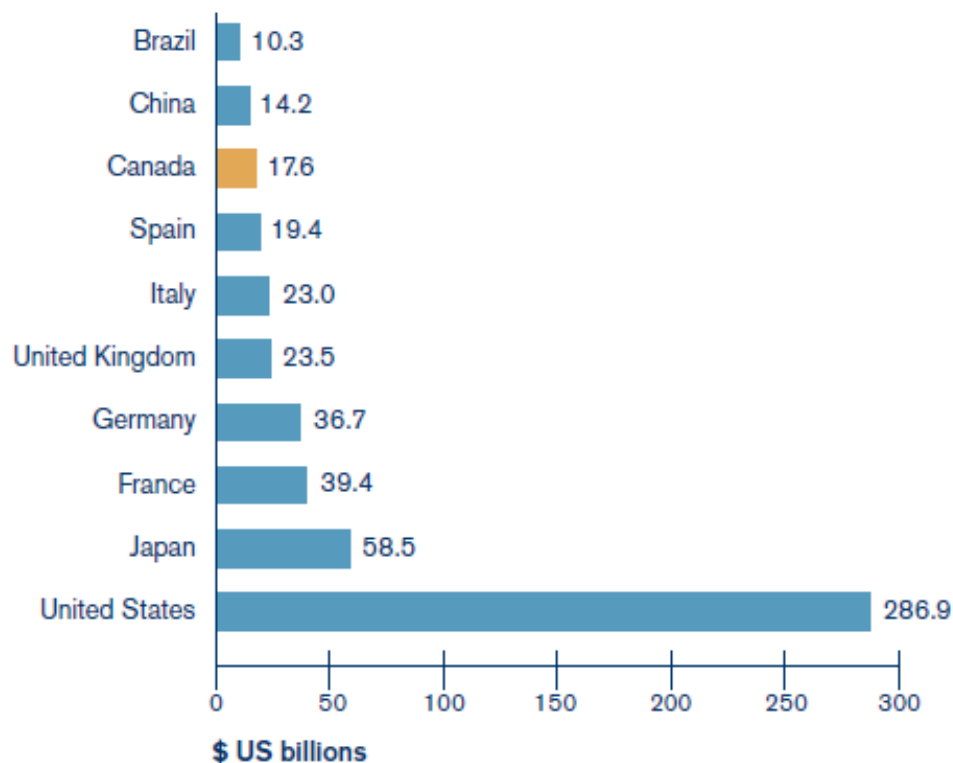
## Pharmaceuticals – top 10 dispensed Canada, 2010

Drug trade name	Number of prescriptions (000)	Launch Date	Percentage change over 2008
Lipitor	15,433,566	Mar - 97	2.8
Synthroid	12,128,356	Jan-57	5.8
Crestor	7,707,508	Feb-03	26.7
Norvasc	5,955,676	Sep-92	-22.9
Ratio - salbutamol	5,549,184	Feb-02	-1.6
Teva - venlafaxine	4,396,133	Dec-06	-6
Apo - Ramipril	4,325,905	Dec-06	51.2
Apo - Furosemide	4,039,492	Jan-76	9.6
Nexium	3,532,215	Aug-10	14.1
Actonel	3,212,288	Nov-99	10.2

## Hospital - top 10 admissions Canada, 2004-2005

Admission type (Case Mix Group)	Admissions	Cost per admission (\$)
Live born infants	204,446	824
Complications of pregnancy predominantly during labour and delivery	157,540	2,710
Complications of pregnancy predominantly in the antenatal period	108,496	3,047
Persons encountering health services for specific procedures	62,665	5,967
Chronic lower respiratory diseases, except asthma	54,434	8,060
Heart attack	46,252	11,043
Other ischemic heart disease	45,873	13,015
Mood disorder	44,942	9,110
Heart failure	43,450	9,795
Complication of surgical and medical care	42,146	10,962

## Sales in top 10 global pharmaceutical markets selected countries, 2007

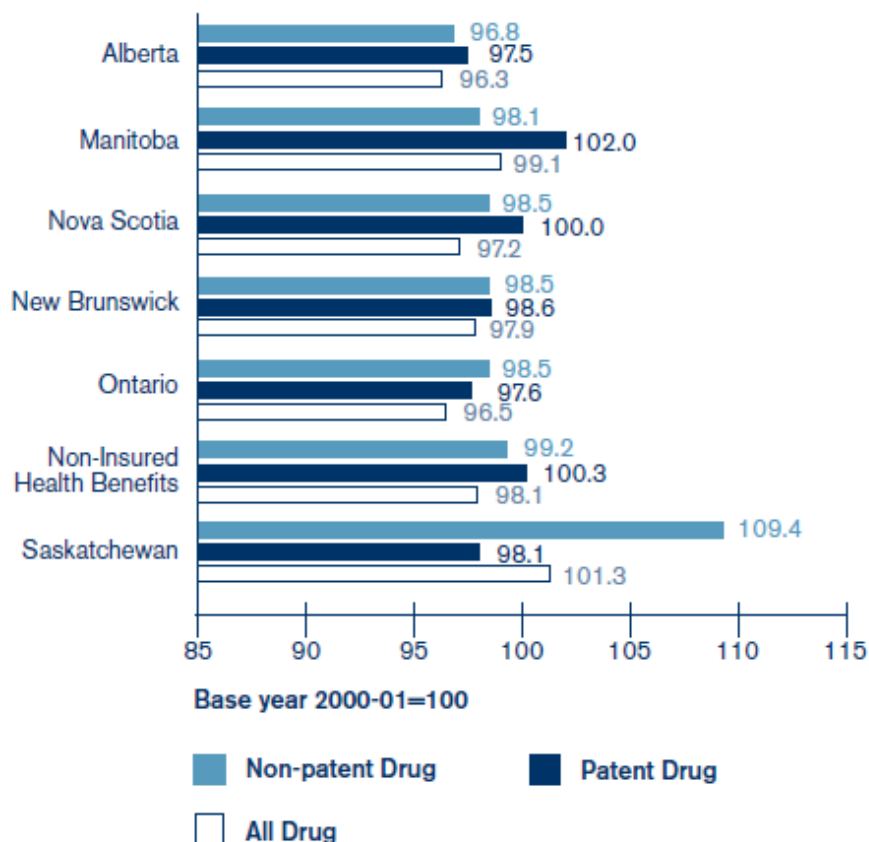


◀ Note: Estimated prescriptions dispensed in Canadian retail pharmacies (excludes hospitals; includes new and refills).

Source: IMS Health, Canada, CompuScript. 2010

Accessed at [http://www.imshealth.com/deployedfiles/imshealth/Global/Americas/North%20America/Canada/StaticFile/Top50Dispensed\\_En\\_10.pdf](http://www.imshealth.com/deployedfiles/imshealth/Global/Americas/North%20America/Canada/StaticFile/Top50Dispensed_En_10.pdf) on June 17, 2010

## Drug price indices Canada, 2003-2004



Note: Number of prescriptions based on all-Canadian estimates from IMS Canada. Hospital admissions are based on hospital cases reported to CIHI and are not national totals.

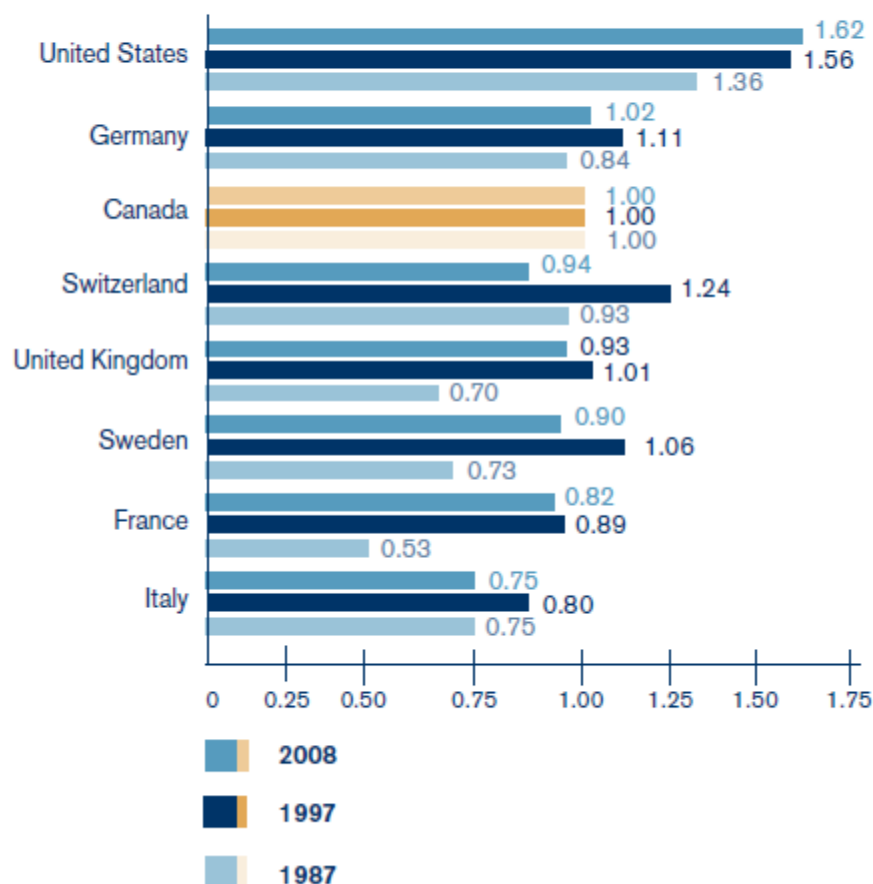
Source: IMS. Top 50 dispensed medications in Canada, 2007. IMS 2008 [cited 2008 June 4]; Available from: URL: [http://www.imshealthcanada.com/vgn/images/portal/cit\\_40000873/8/14/79014583Trends03\\_En07CORR.pdf](http://www.imshealthcanada.com/vgn/images/portal/cit_40000873/8/14/79014583Trends03_En07CORR.pdf)

Interactive drug benefit list. Alberta Health and Wellness. 2008. Accessed at [https://www.ab.bluecross.ca/dbl/idbl\\_main1.html](https://www.ab.bluecross.ca/dbl/idbl_main1.html) on June 2 2008.

The cost of acute care hospital stays by medical condition in Canada, 2004-2005. Ottawa: Canadian Institute for Health Information; 2008. Accessed at [http://secure.cihi.ca/cihiweb/products/nhex\\_acutecare07\\_e.pdf](http://secure.cihi.ca/cihiweb/products/nhex_acutecare07_e.pdf) on June 2, 2008. Source: Pharmaceutical trends overview report: Alberta, Saskatchewan, Manitoba, Ontario, New Brunswick, Nova Scotia, and First Nations and Inuit Health Branch of Health Canada 1997-1998 to 2003-2004. Ottawa: Patented Medicine Prices Review Board; 2008. Accessed at [http://www.pmprb-cepmb.gc.ca/CMFiles/PTOR\\_June\\_0638MBI-6232006-5829.pdf](http://www.pmprb-cepmb.gc.ca/CMFiles/PTOR_June_0638MBI-6232006-5829.pdf) on March 26, 2008.



## Average foreign-to-Canadian drug price ratio selected countries, 1987-2008

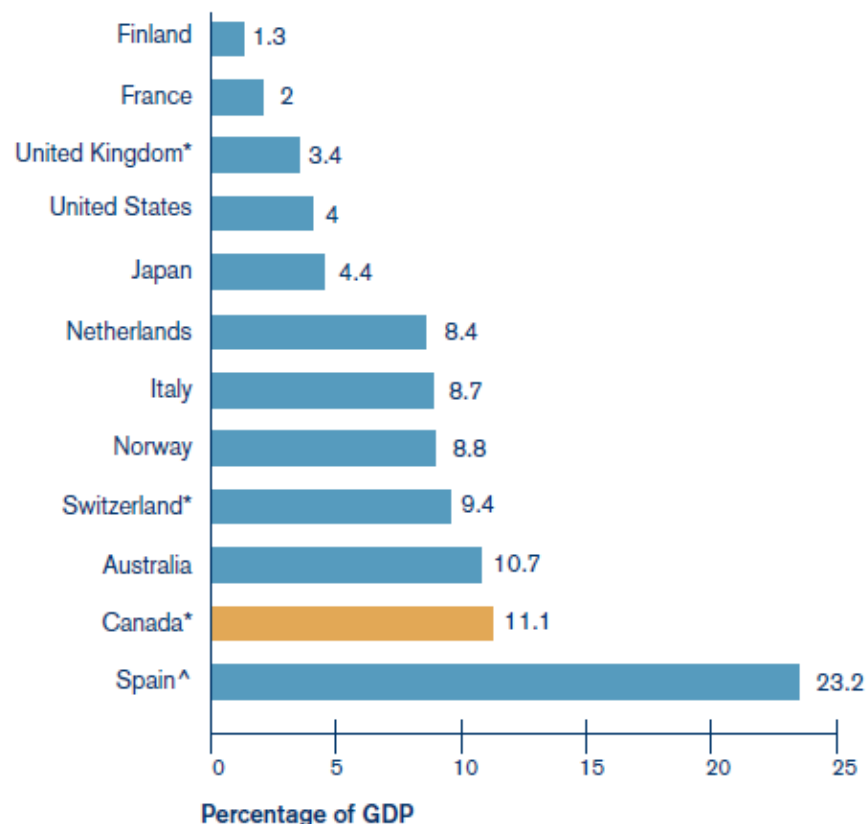


Note: The drug price ratio uses bilateral comparisons of prices in which each of the comparator countries compares to corresponding Canadian prices. The results are obtained with currency conversion at market exchange rates. An average foreign-to-Canadian price ratio equal to one indicates that average prices in the foreign country are at parity with average prices in Canada. If the average foreign-to-Canadian price ratio for a particular country is greater than one, then this indicates that average prices are higher in the foreign

country than in Canada. Conversely, if the average foreign-to-Canadian price ratio for a particular country is less than one, then this indicates that average prices are lower in the foreign country than in Canada.

Source: Patented Medicine Prices Review Board; Annual Report 2008. Accessed at <http://www.pmprb-cepmb.gc.ca/cmfiles/PMPRB-AR08-E.pdf>, May 21, 2010. [www.pmprb-cepmb.gc.ca](http://www.pmprb-cepmb.gc.ca)

## Health-related research and development in government budget as a percentage of GDP selected countries, 2008

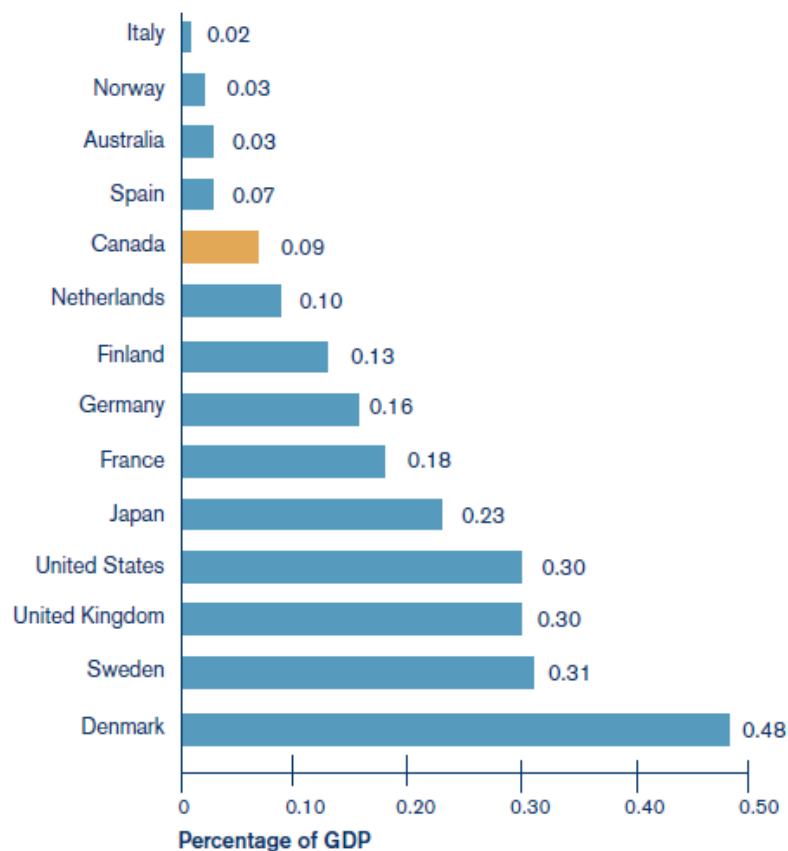


Notes: \*Data for 2006; ^2007

Source: OECD Science, Technology & Industry Scoreboard 2009

Accessed at <http://titania.sourceoecd.org/login.ezproxy.library.ualberta.ca/vl=5837986/cj=24/nw=1/rpsv/cgi-bin/fulltextew.pl?prpsv=/ij/oecdthemes/99980134/v2009n18/s1/p11idx> April 23rd, 2010. [www.oecd.org](http://www.oecd.org)

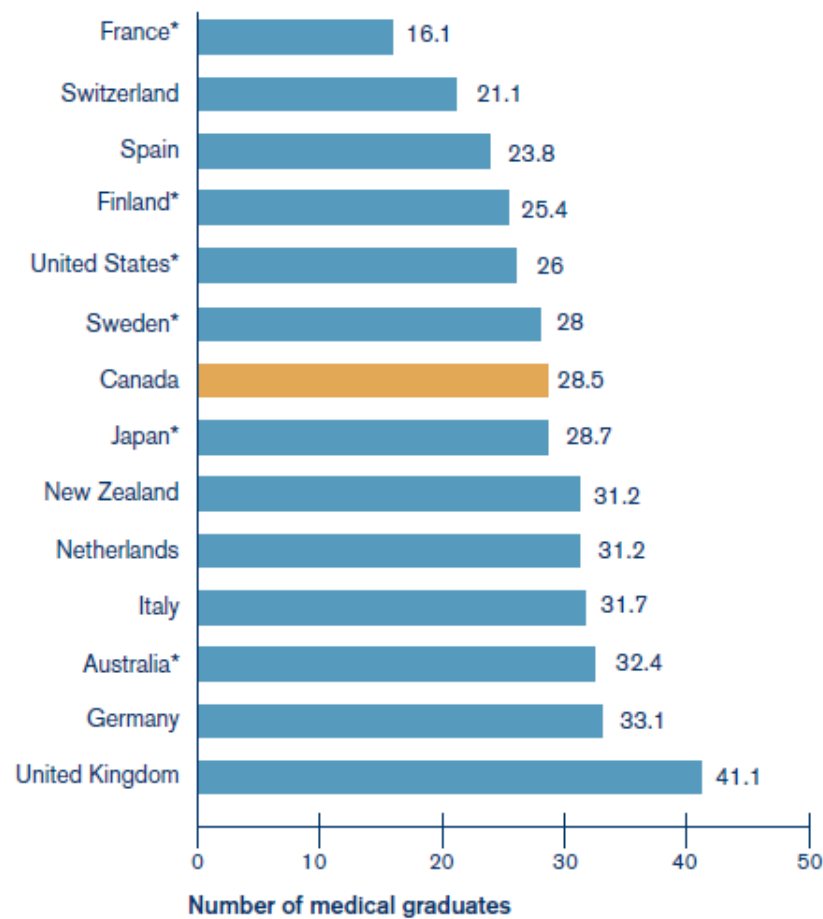
## Research and development expenditure in the pharmaceutical industry as a percentage of GDP selected countries, 2006



Note: \*Data for Canada and United Kingdom is for year 2004.

Source: OECD science, technology and R&D statistics 2007 [CD-ROM].  
Paris, France, Organisation for Economic Co-operation and Development, 2007.  
[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Medical graduates per 1,000 practicing physicians selected countries, 2006 to 2007



Note: \*Data for 2006

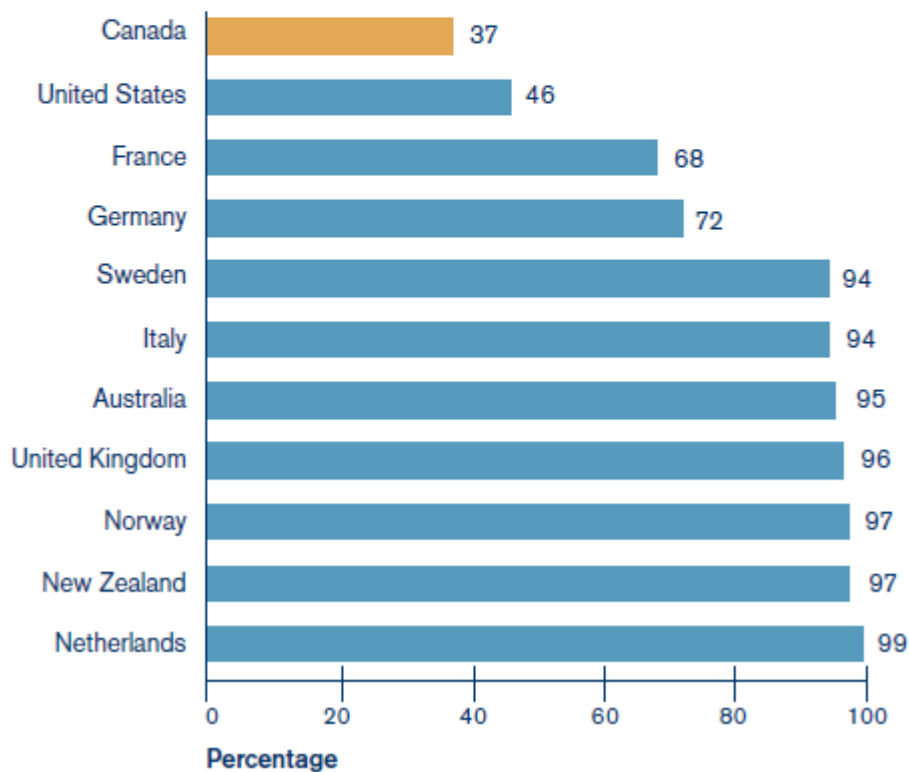
Source: OECD stat extracts.

Paris: Organization for Economic Co-operation and Development; 2010.

Accessed at <http://stats.oecd.org/index.aspx> on April 14th, 2010.

[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

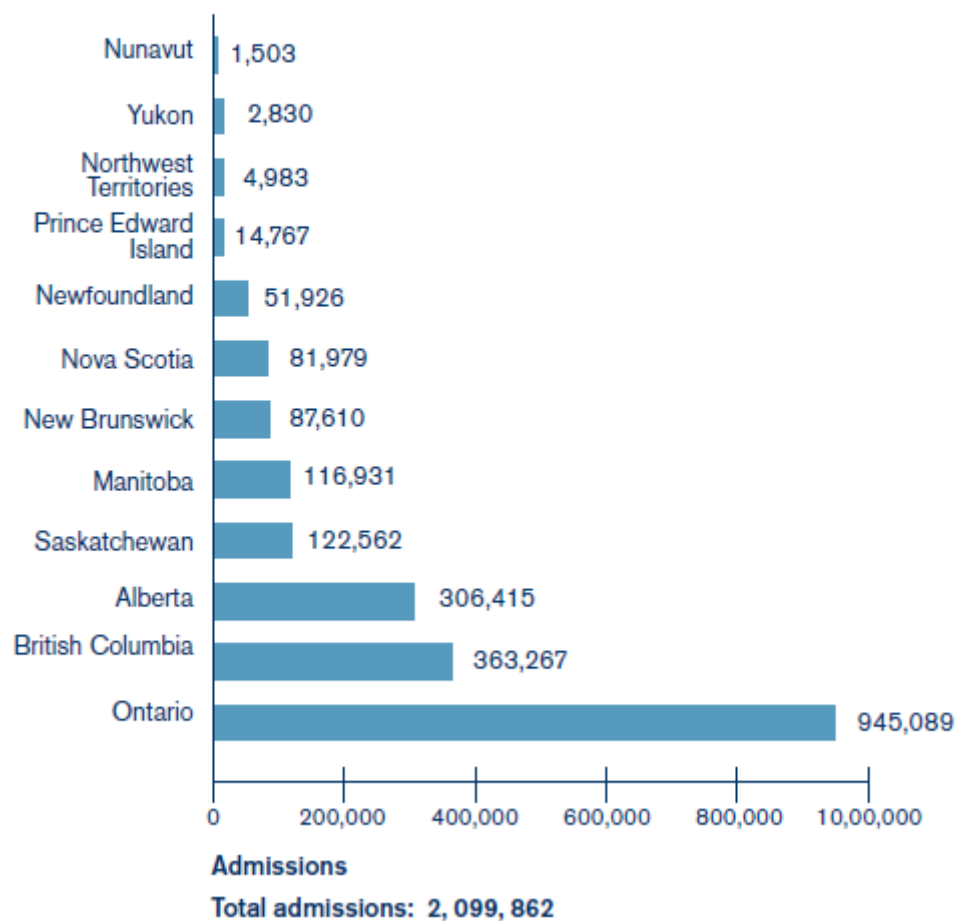
## Percentage of physicians who use electronic patient medical records selected countries, 2009



Notes: Data does not include billing systems

Source: International Health Policy Survey of Primary Care Physicians, 2009. Accessed at <http://www.commonwealthfund.org/Content/Charts/Survey/2009-International-Health-Policy-Survey/D/Doctors-Use-Electronic-Patient-Medical-Records.aspx> on April 21, 2010. <http://www.commonwealthfund.org>.

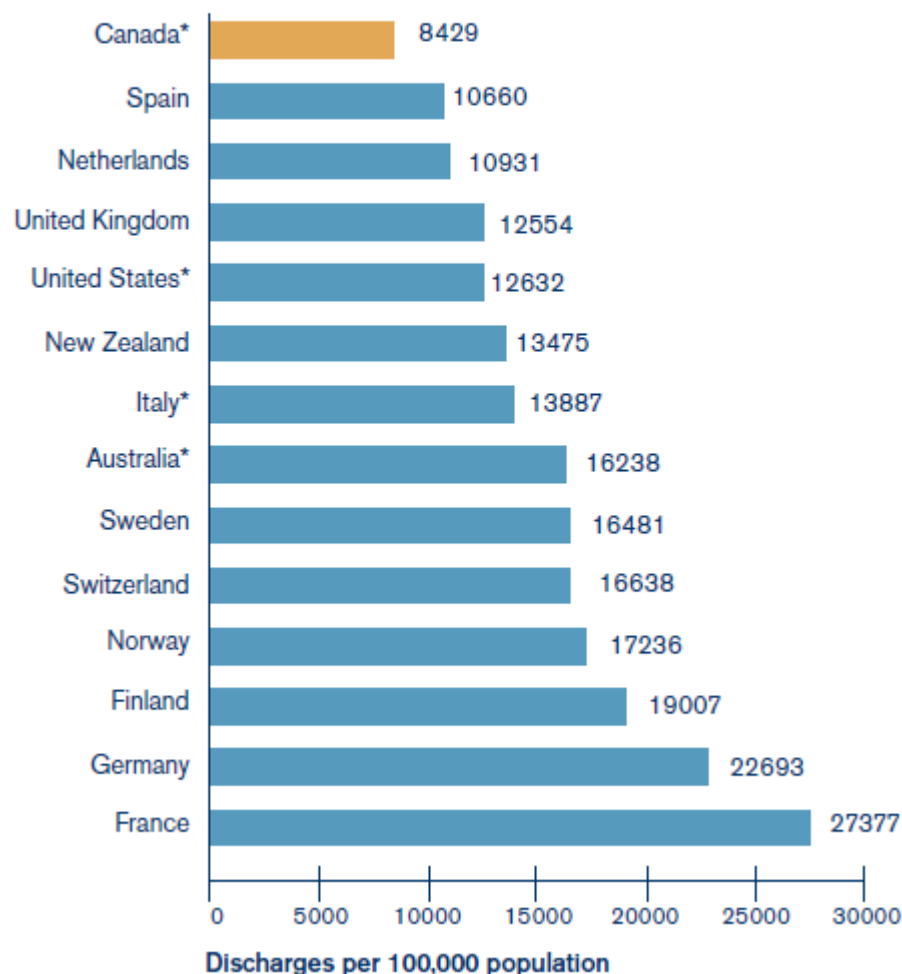
## Inpatient hospitalizations Canada, 2008



Note: Quebec data is not available.

Source: Canadian Institute for Health Information; Discharge Abstract Database and Hospital Morbidity Database. Accessed at [http://secure.cihi.ca/cihiweb/products/Quickstats\\_Highlight\\_document\\_20100113\\_en.pdf](http://secure.cihi.ca/cihiweb/products/Quickstats_Highlight_document_20100113_en.pdf) May 6th, 2010. [www.cihi.ca](http://www.cihi.ca)

## Hospital discharge rates selected countries, 2007



Notes: \*Data for 2006

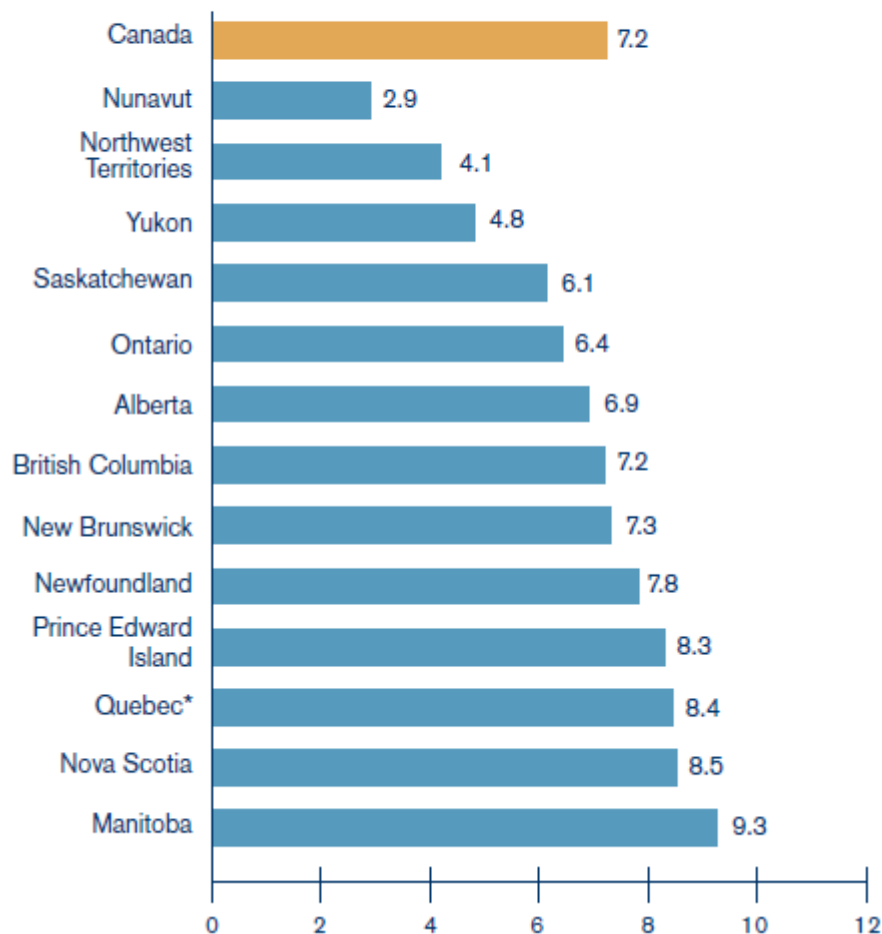
Source: OECD stat extracts.

Organization for Economic Co-operation and Development; 2010.

Accessed at <http://stats.oecd.org/index.aspx> on April 14th, 2010.

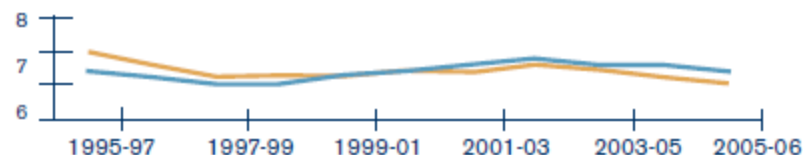
[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Average length of inpatient hospital stay Canada, 2005-06



### Days per stay

Average length of stay (ALOS) and age-standardized average length of stay (AS-ALOS) in days  
Canada, 1995-2006

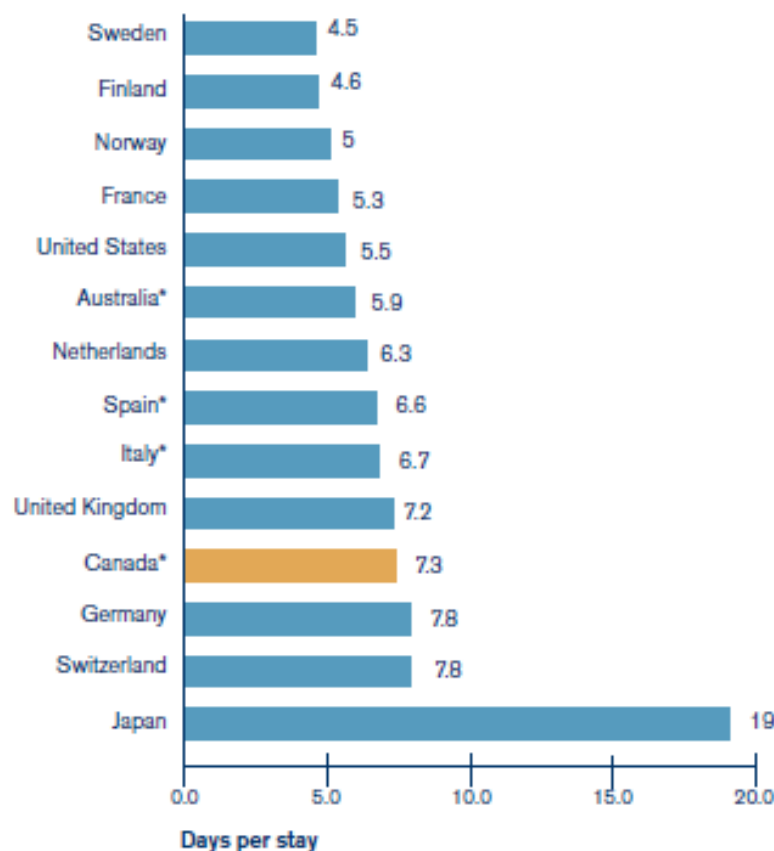


Note: \*Quebec numbers are estimated based on extrapolation of previous years' data using projection techniques

Source: Canadian Institute for Health Information. Accessed at [http://secure.cihi.ca/cihiweb/products/cad\\_analysis\\_in\\_brief\\_e.pdf](http://secure.cihi.ca/cihiweb/products/cad_analysis_in_brief_e.pdf) May 19th, 2010. [www.cihi.ca](http://www.cihi.ca)



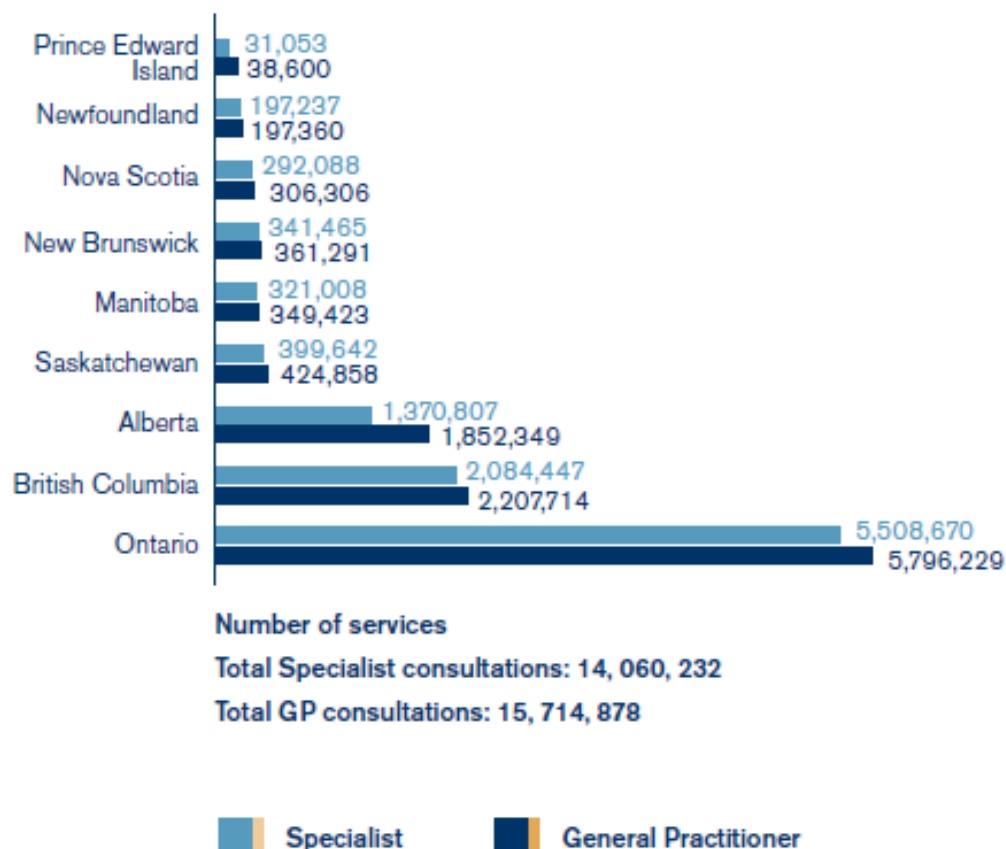
## Average length of stay for inpatient acute care selected countries, 2007



Notes: \*Data for 2006

Source: OECD stat extracts, Paris: Organization for Economic Co-operation and Development; 2010.  
Accessed at <http://stats.oecd.org/index.aspx> on April 14th, 2010.  
[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

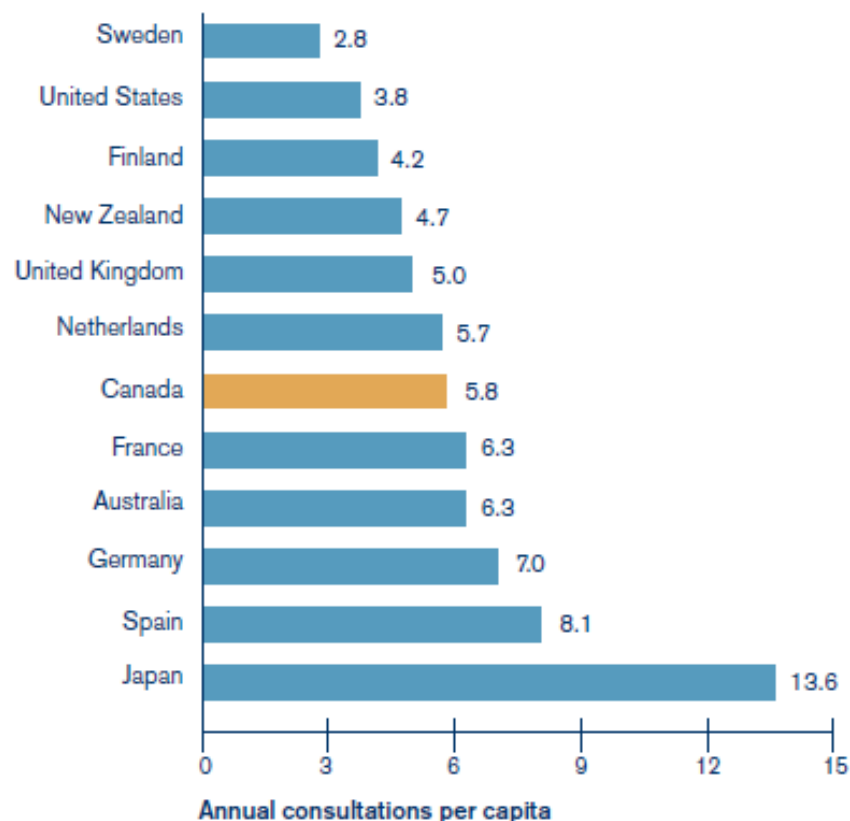
## Physician consultations Canada, 2008



Note: No data available for Quebec or Territories; Based on gross direct payments. Reciprocal billing payments are not included.

Source: Canadian Institute for Health Information National Physician Database. Accessed at [http://secure.cihi.ca/cihiweb/dispPage.jsp?cw\\_page=download\\_form\\_e&cw\\_sku=NPD0708DREPDF&cw\\_ctt=1&cw\\_dform=N](http://secure.cihi.ca/cihiweb/dispPage.jsp?cw_page=download_form_e&cw_sku=NPD0708DREPDF&cw_ctt=1&cw_dform=N) May 6th, 2010. [www.cihi.ca](http://www.cihi.ca)

## Physician consultations per capita selected countries, 2007



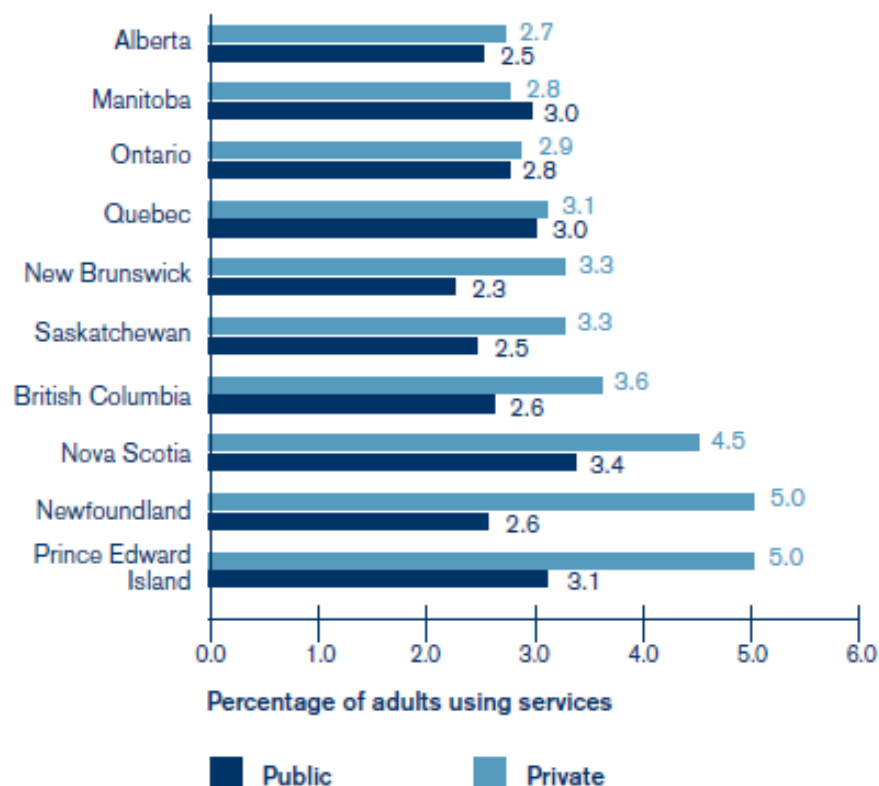
OECD stat extracts.

Paris: Organization for Economic Co-operation and Development; 2010.

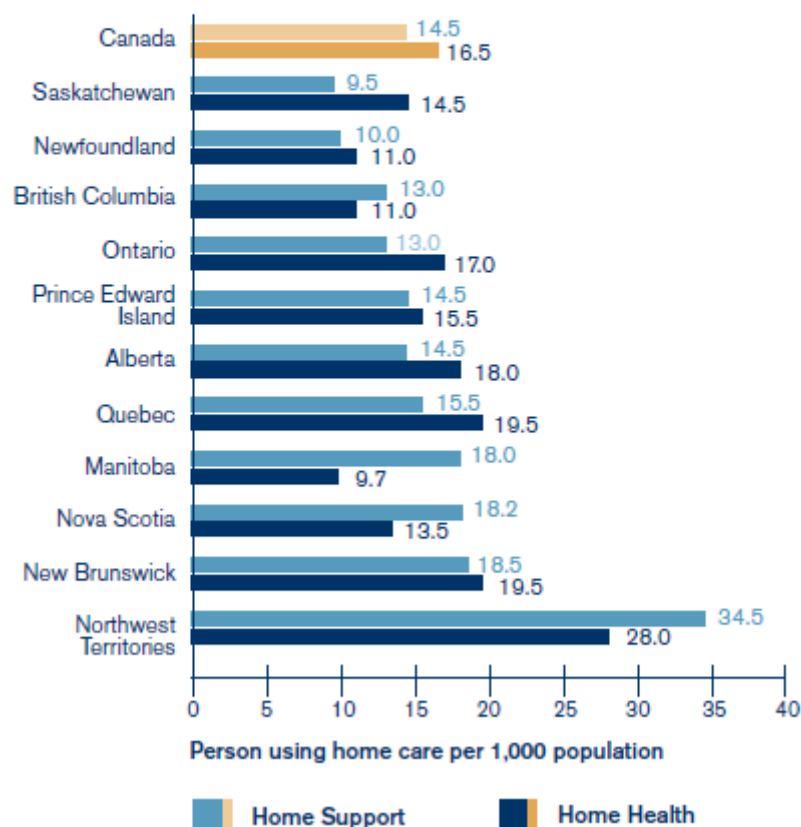
Accessed at <http://puck.sourceoecd.org/login.ezproxy.library.ualberta.ca/vl=12683695/cl=19/nw=1/rpsv/cgi-bin/fulltextew.pl?prpsv=/ij/oecdthemes/99980142/v2009n16/s1/p11.idx> on

May 3rd, 2010. [www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Government and privately funded home care usage Canada, 2005



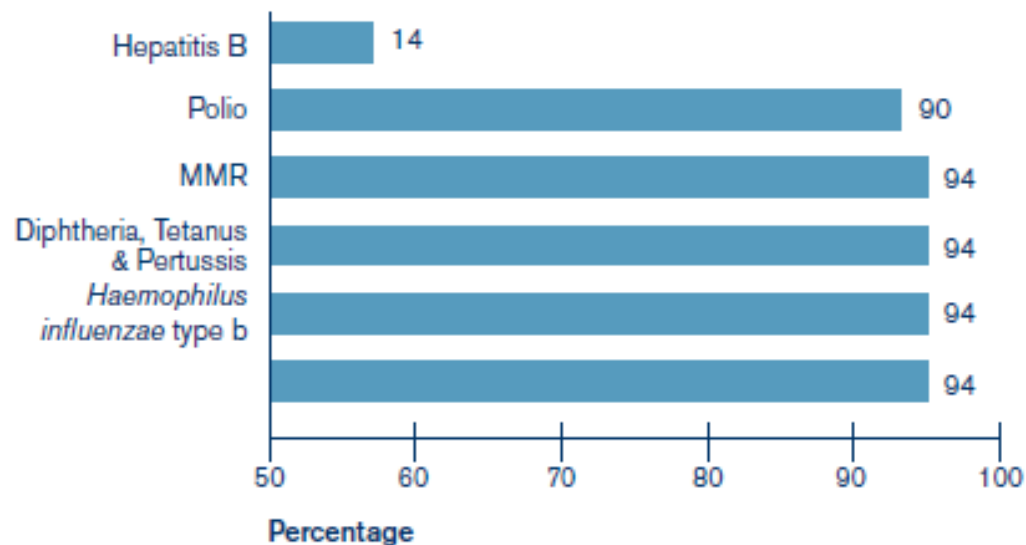
## Government-sponsored home care users Canada, 2003



Note: Home care includes home health (nursing care, health services, medical equipment or supplies) and home support (personal care, housework, meals, shopping, respite care, other).

Source: Public-sector expenditures and utilization of home care services in Canada: exploring the data. Ottawa: Canadian Institute for Health Information; 2007 Mar. Accessed at [http://catalogue.iugm.qc.ca/GEIDFile/22754.PDF?Archive=102126892030&File=22754\\_PDF](http://catalogue.iugm.qc.ca/GEIDFile/22754.PDF?Archive=102126892030&File=22754_PDF) on Feb 10, 2008.

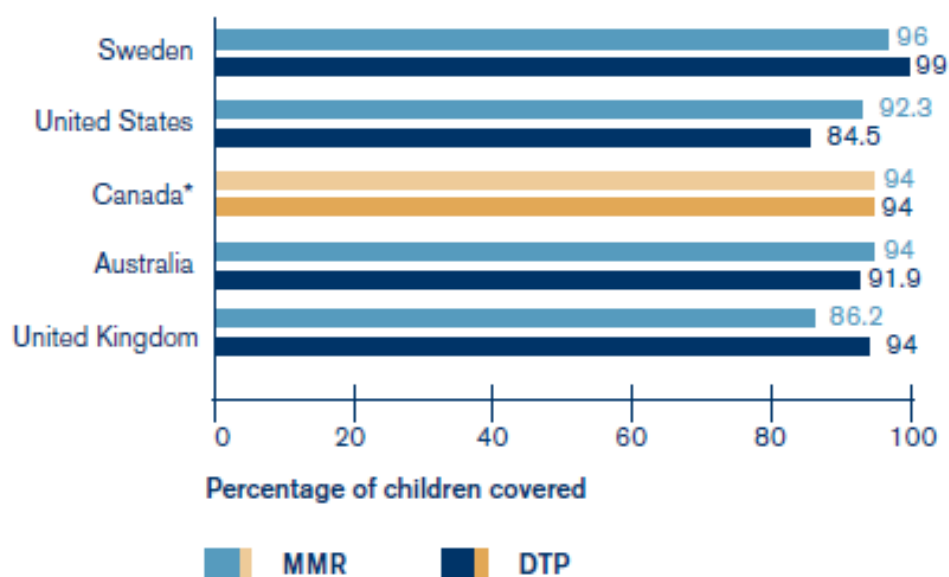
## Percent of population who are vaccinated Canada, 2008



Note: MMR is Measles, Mumps and Rubella.

Source: World Health Organization; Immuniz. Accessed at [http://www.who.int/immunization\\_monitoring/en/globalsummary/countryprofileresult.cfm?C='can'](http://www.who.int/immunization_monitoring/en/globalsummary/countryprofileresult.cfm?C='can') on May 3rd, 2010.  
<http://www.who.int> ation Profile - Canada, 2010

## Childhood vaccine coverage selected countries, 2007



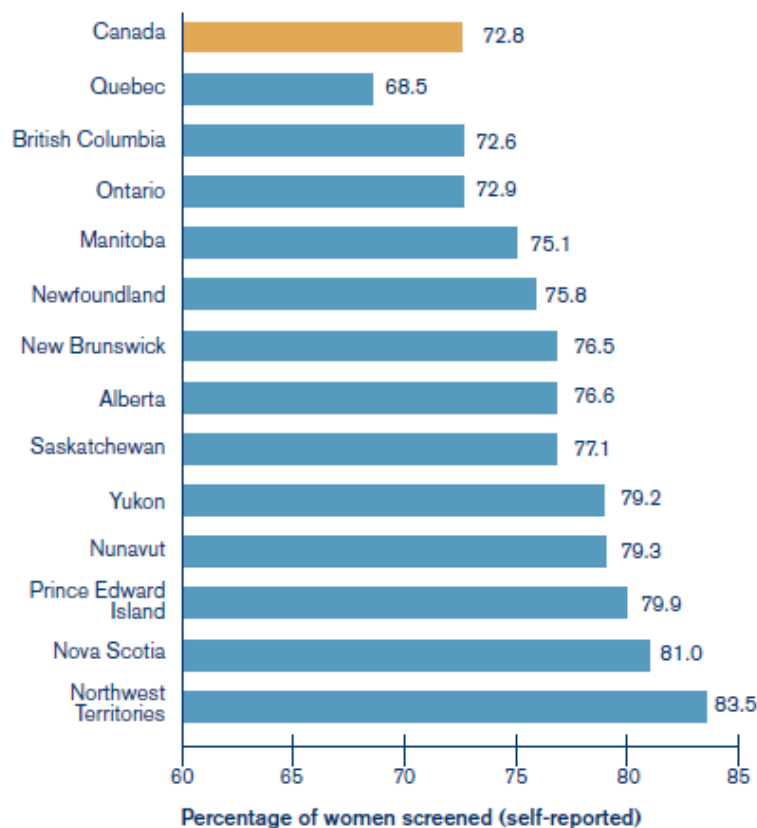
Notes: \*Data for 2006

Source: OECD stat extracts.

Accessed at <http://stats.oecd.org/index.aspx> on April 14th, 2010

[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

**Percentage of women  
aged 18-69, receiving Pap  
smear screening within  
previous 3 years  
Canada, 2005**

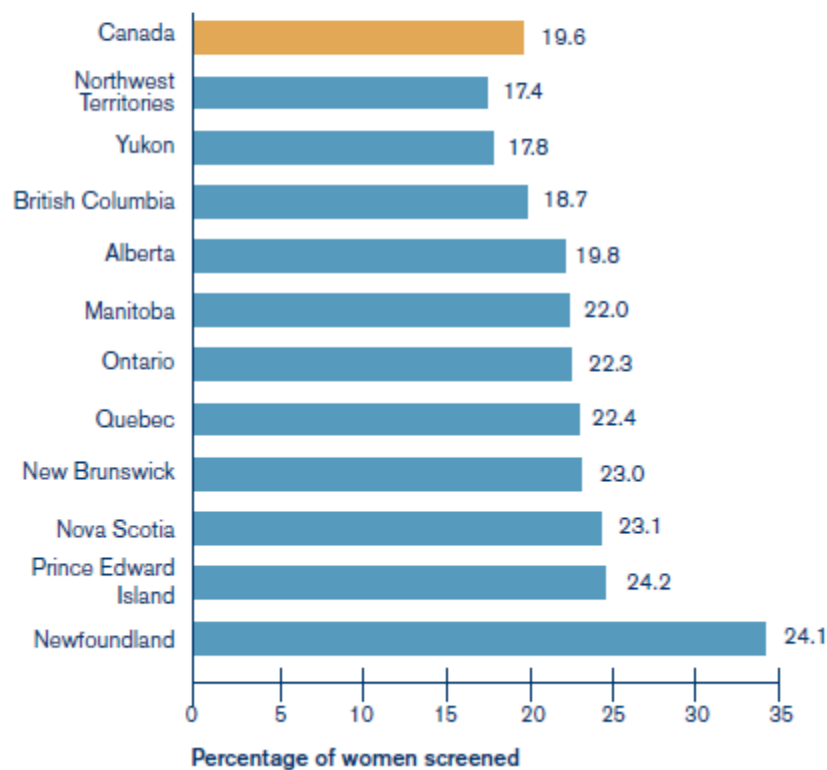


Note: Females aged 18 to 69 who reported when they had their last Pap smear test.

Source: Statistics Canada, Canadian Community Health Survey (CCHS), 2000/2001, 2003 and 2005; Accessed at <http://cansim2.statcan.gc.ca/cgi-win/cnsmcogi.pgm> on May 4th, 2010



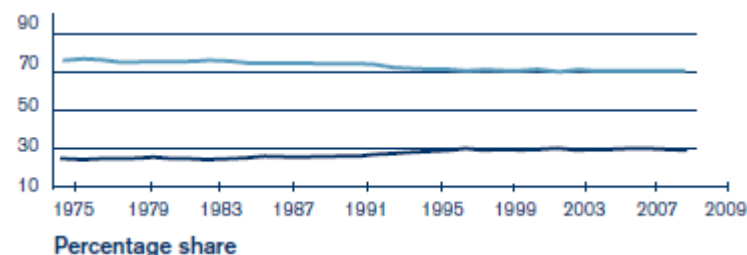
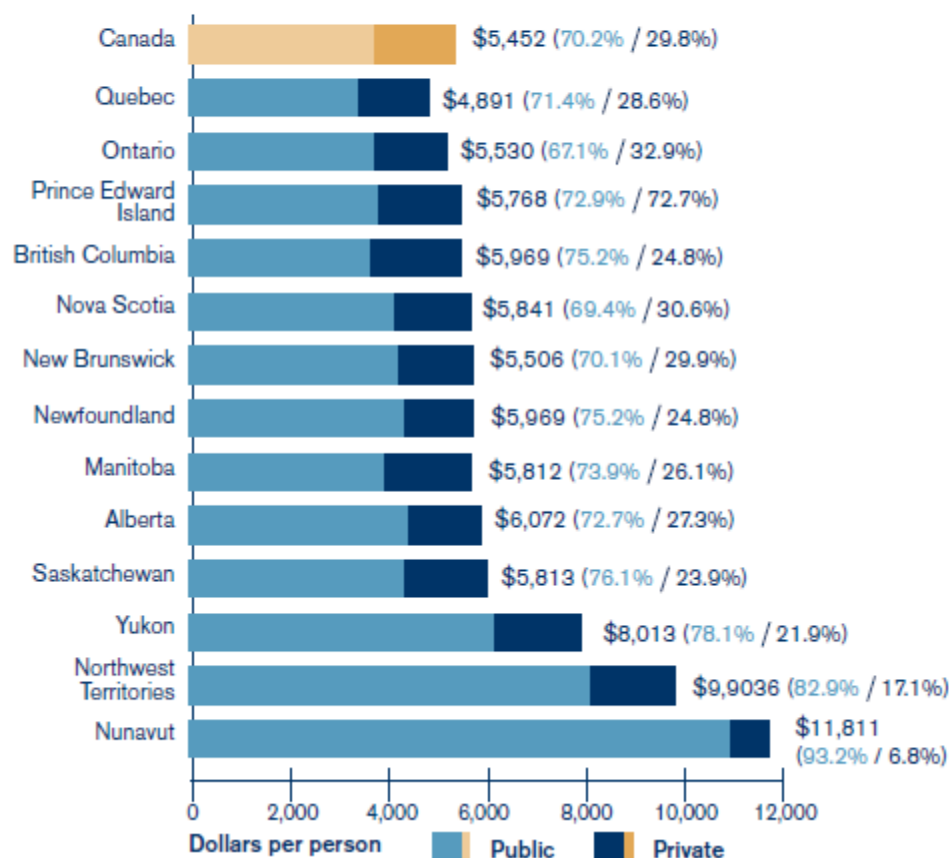
## Percentage of women aged 50-69 having a mammogram in previous 2 years Canada, 2005



Note: No data available for Nunavut; Females aged 50 to 69 who reported when they had their last mammogram for routine screening or other reasons.

Source: Statistics Canada, Canadian Community Health Survey (CCHS). Accessed at <http://cansim2.statcan.gc.ca/cgi-win/cnsmcgl.pgm> on May 3rd, 2010. <http://www.statcan.gc.ca>

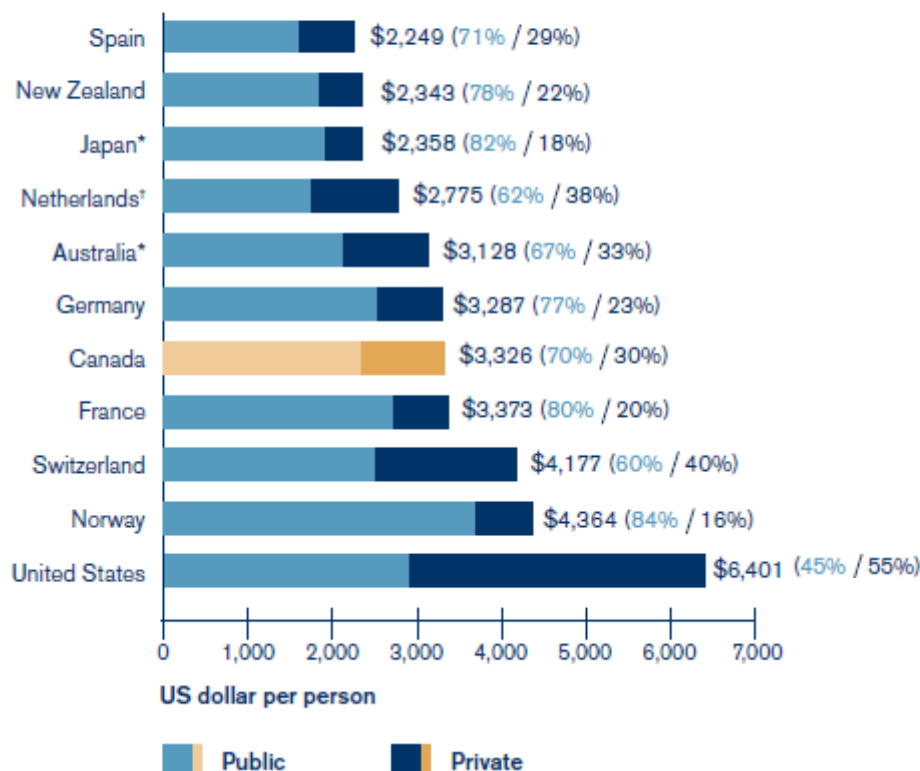
## Total health expenditures per capita by public and private funds Canada, 2009



Note: forecast data

Source: Canadian Institute for Health Information. Accessed at [http://secure.cihi.ca/cihiweb/products/National\\_health\\_expenditure\\_trends\\_1975\\_to\\_2009\\_en.pdf](http://secure.cihi.ca/cihiweb/products/National_health_expenditure_trends_1975_to_2009_en.pdf) May 19th, 2010. [www.cihi.ca](http://www.cihi.ca)

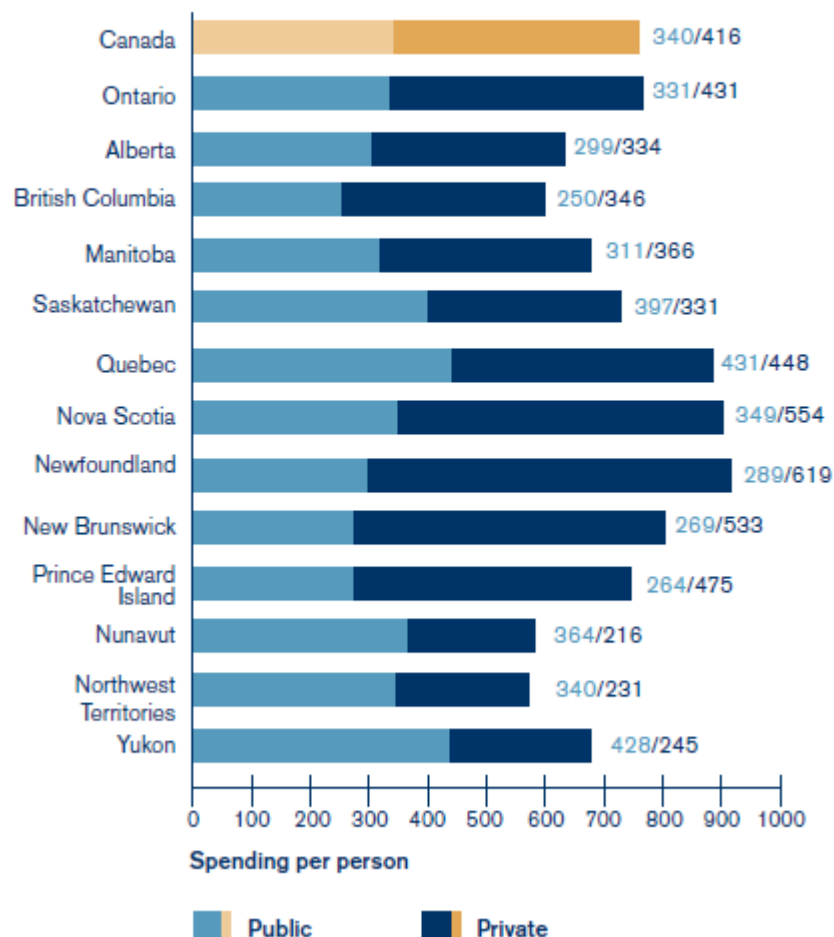
## Total health expenditures per capita by public and private funds selected countries, 2005



Note: \*Public sector data for Australia and Japan is for year 2004. \*All data for the Netherlands is for year 2002.

Source: National health expenditure trends 1975-2007. Ottawa: Canadian Institute for Health Information; 2007. Accessed at [http://www.cihi.ca/cihiweb/dispPage.jsp?cw\\_page=AR\\_31\\_E](http://www.cihi.ca/cihiweb/dispPage.jsp?cw_page=AR_31_E) on March 26, 2008.

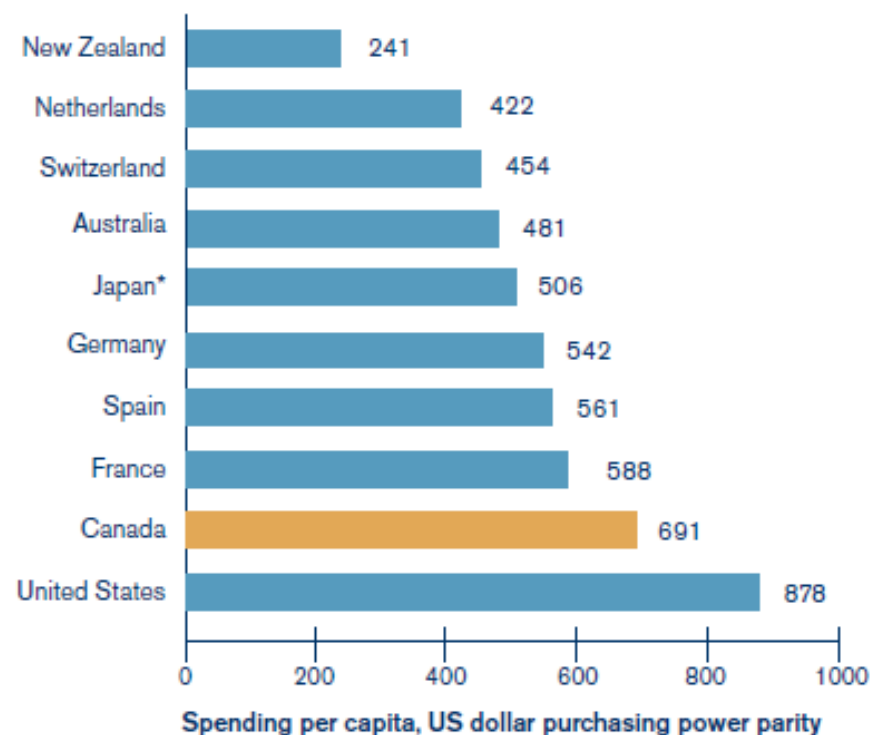
## Pharmaceutical expenditures Canada, 2009



Note: forecast data

Source: National Health Expenditure Database, 2009, Canadian Institute for Health Information;  
Population, Statistics Canada. Accessed at [http://secure.cihi.ca/cihiweb/en/media\\_20100422\\_fig3\\_e.html](http://secure.cihi.ca/cihiweb/en/media_20100422_fig3_e.html) April 29th, 2010. [www.cihi.ca](http://www.cihi.ca)

## Pharmaceutical expenditures selected countries, 2007



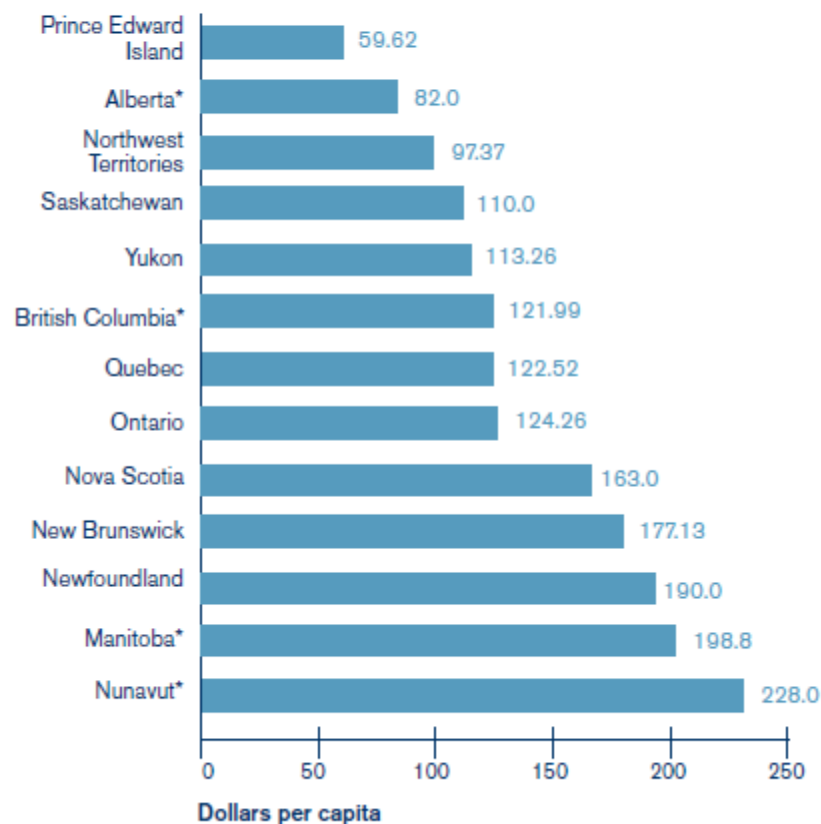
Note: \*2006 data2007.

OECD stat extracts.

Paris: Organization for Economic Co-operation and Development; 2010.

Accessed at [http://www.cihi.ca/cihiweb/dispPage.jsp?cw\\_page=AR\\_80\\_E](http://www.cihi.ca/cihiweb/dispPage.jsp?cw_page=AR_80_E) on March 26, 2008.

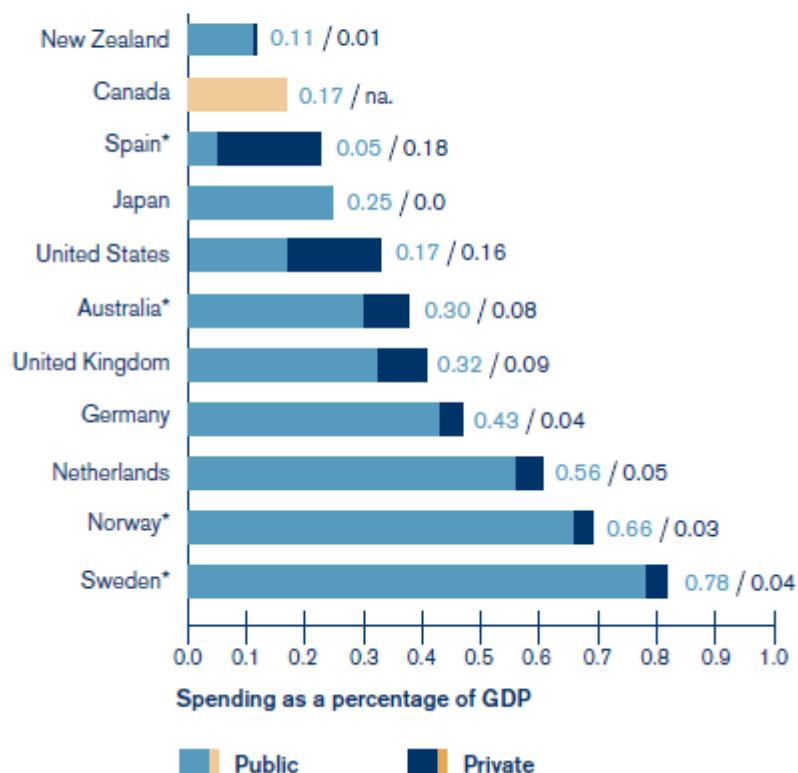
## Public home care expenditure per capita Canada, 2006-2007



Note: \* 2005-2006 data. Canadian average not available.

Source: Canadian Home Care Association. Accessed at <http://www.cdnhomecare.ca/content.php?doc=199>, May 31, 2010; [www.cdnhomecare.ca](http://www.cdnhomecare.ca)

## Home care expenditures, public and private selected countries, 2004



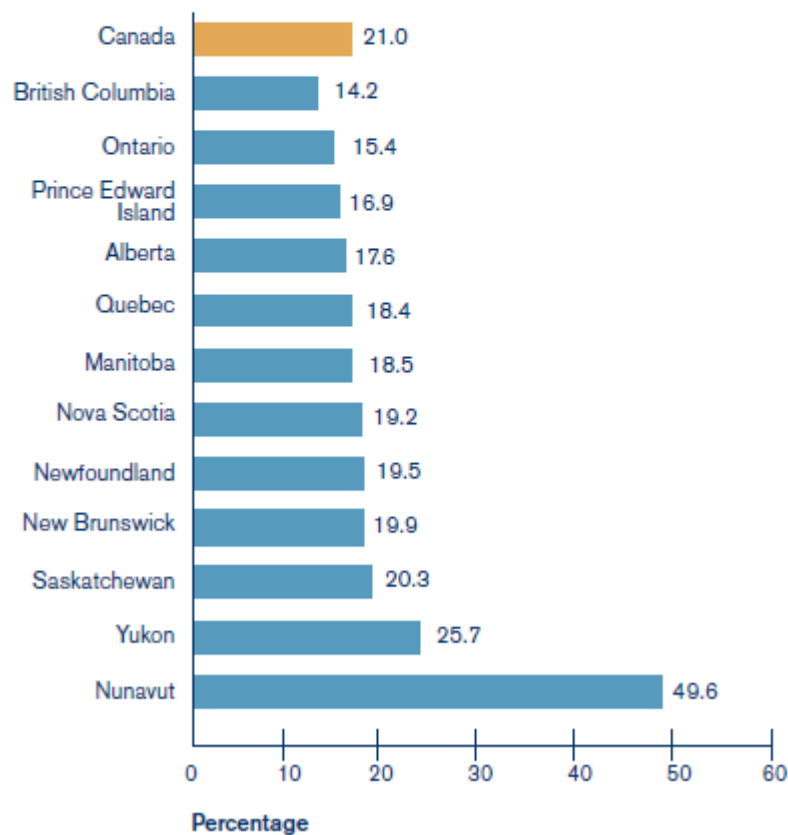
Note: \*Data for Australia, Norway, Spain and Sweden are for age 65+ only

Source: Long term care for older people. Paris: Organization for Economic Co-operation and Development; 2005.

## Health Behaviours



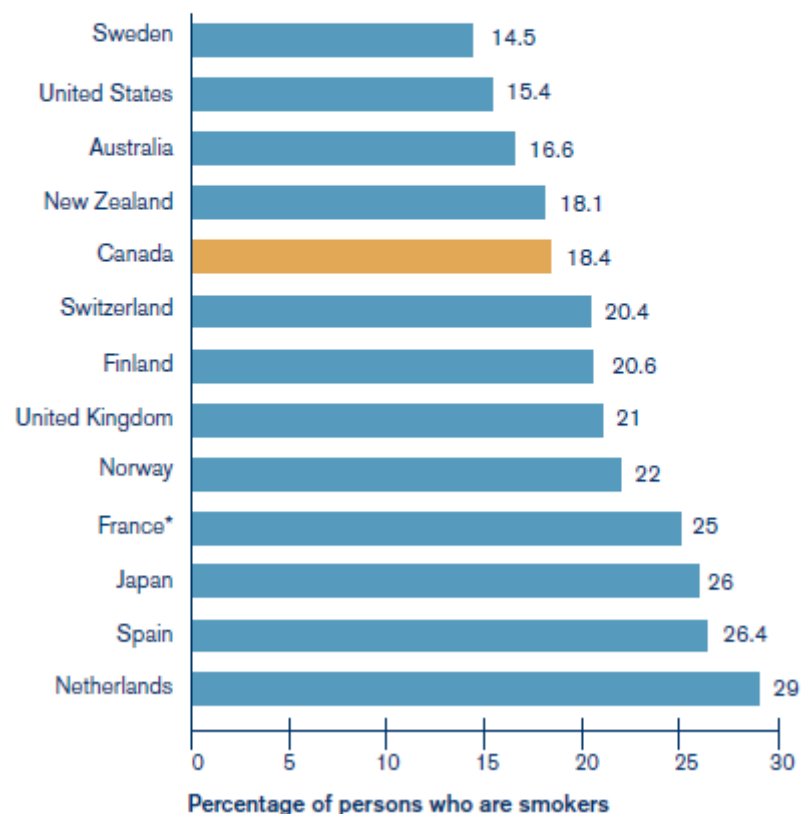
## Percentage of population who are daily smokers Canada, 2007



Notes: Population aged 12 and over who reported being a current smoker

Source: Statistics Canada; Canadian Community Health Survey (CCHS). Accessed at <http://www40.statcan.gc.ca/l01/cst01/health74a-eng.htm> on May 3rd, 2010. <http://www.statcan.gc.ca>

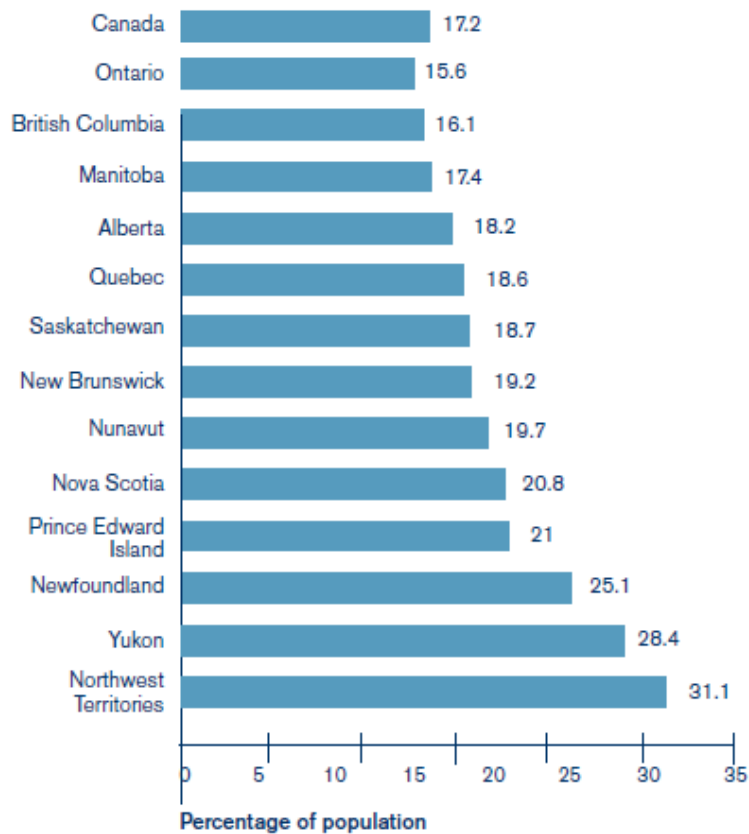
## Percentage of population who are daily smokers selected countries, 2007



Notes \*Data for 2006

Source: OECD stat extracts. Paris: Organization for Economic Co-operation and Development; 2010. Accessed at <http://stats.oecd.org/Index.aspx> on May 5th, 2010.  
[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

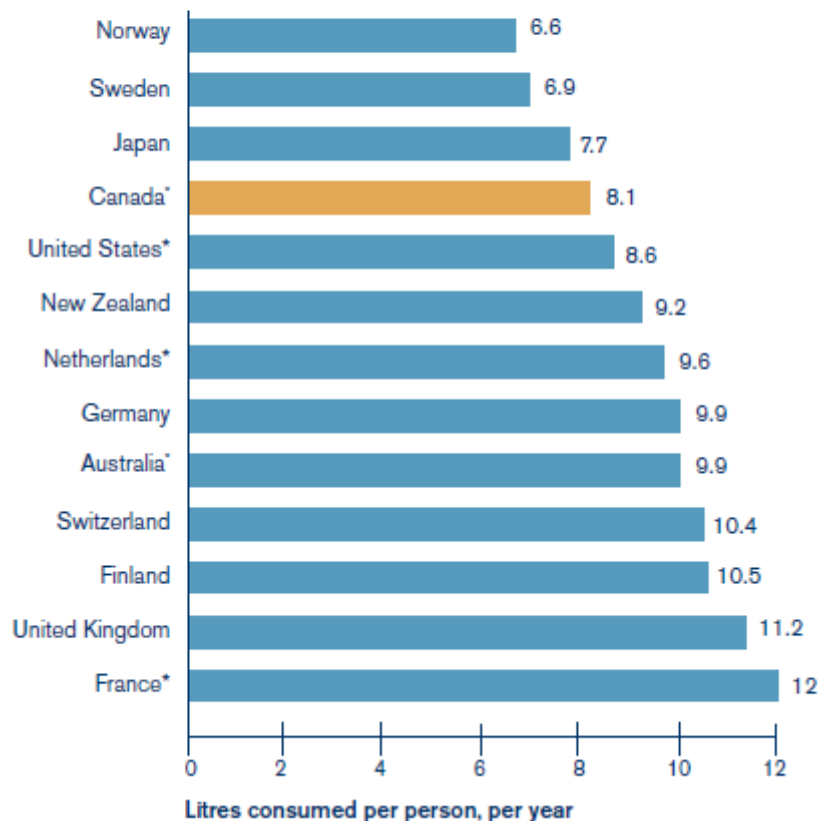
## Alcohol consumption for persons over 12 years of age Canada, 2009



Source: The Control and Sale of Alcoholic Beverages in Canada. Ottawa: Statistics Canada; 2007  
Oct 1. Accessed at <http://www.statcan.ca/english/freepub/63-202-XIE/63-202-XIE2006000.htm>  
on March 26, 2008.

Statistics Canada source – see p.84

## Alcohol consumption for persons over 15 years of age selected countries, 2007

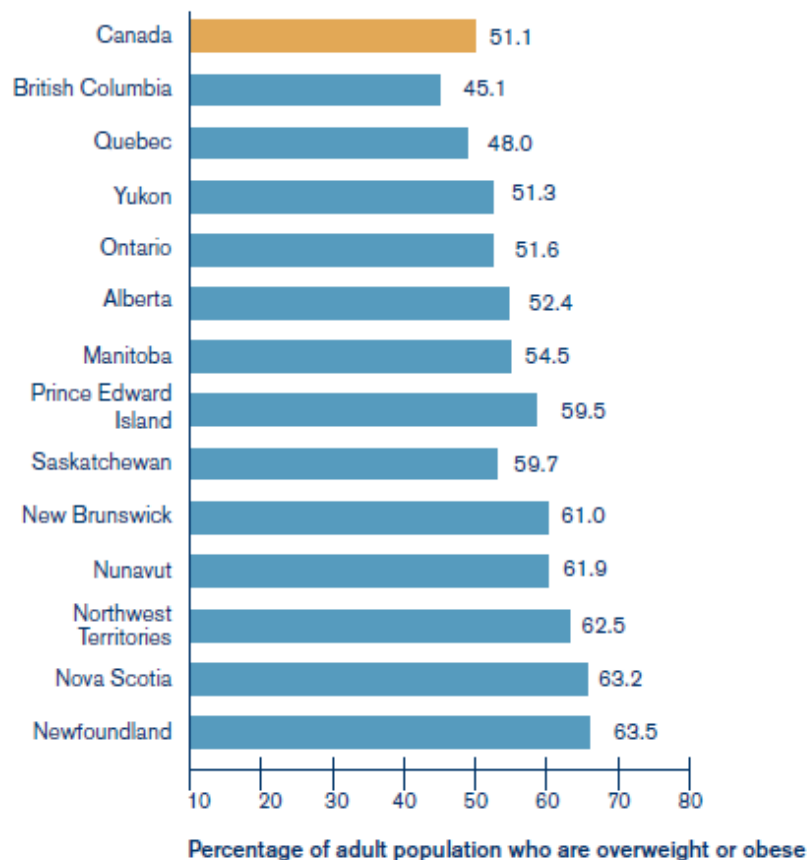


Notes: \*Data for 2006

Source: OECD stat extracts. Paris: Organization for Economic Co-operation and Development; 2010. Accessed at <http://stats.oecd.org/index.aspx> on April 14th, 2010.  
[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Percentage of overweight and obese adults

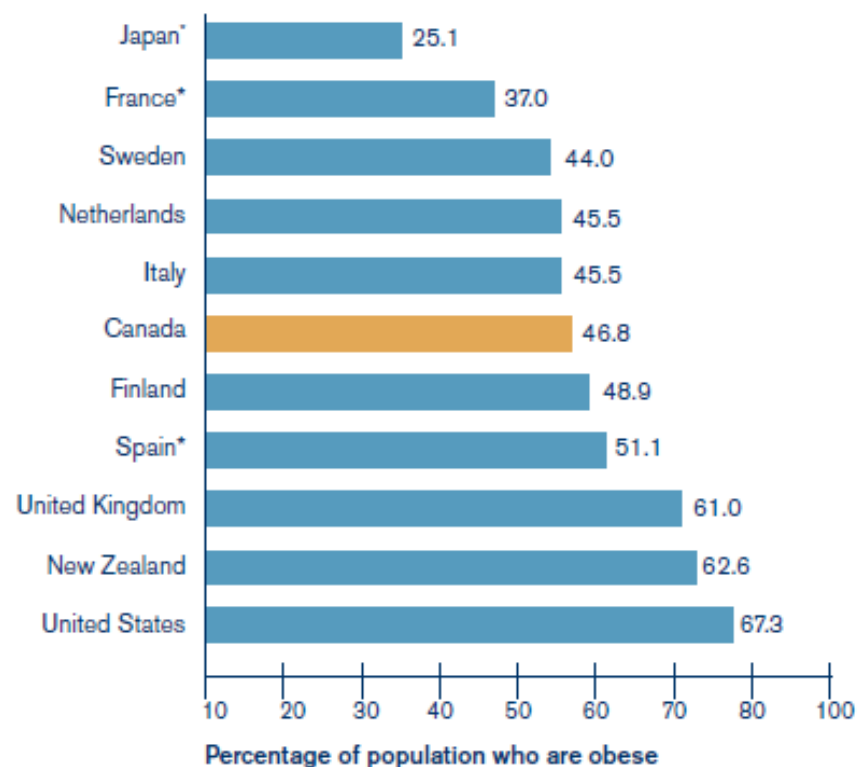
Canada, 2008



Notes: This indicator is measured out of 18 years and over only; According to the World Health Organization (WHO) and Health Canada guidelines, the index for body weight classification is: 25.00 to 29.99 (overweight); 30.00 to 34.99 (obese, class I); 35.00 to 39.99 (obese, class II); 40.00 or greater (obese, class III).

Source: Statistics Canada; Canadian Community Health Survey (CCHS). Accessed at <http://www40.statcan.gc.ca/l01/cst01/health82a-eng.htm> on May 3rd, 2010. <http://www.statcan.gc.ca>

## Prevalence of overweight and obese adults selected countries, 2007

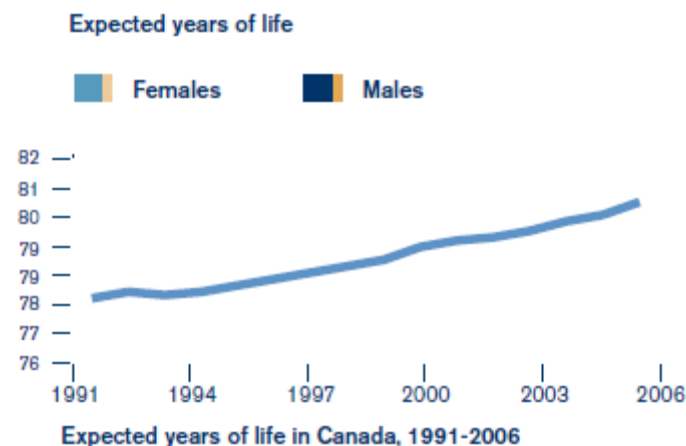
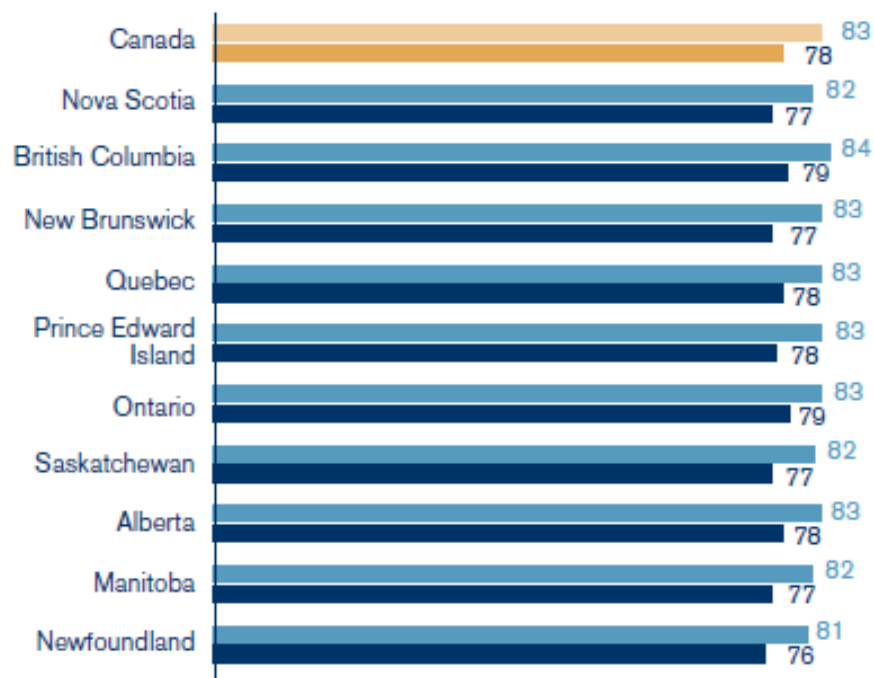


Notes: \*Data for 2006; Percentage of adult population with BMI > 25 kg/m<sup>2</sup>

Source: OECD stat extracts. Accessed at <http://stats.oecd.org/index.aspx> on April 14th, 2010. [www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Health Status and Demographics

## Life expectancy at birth Canada, 2007

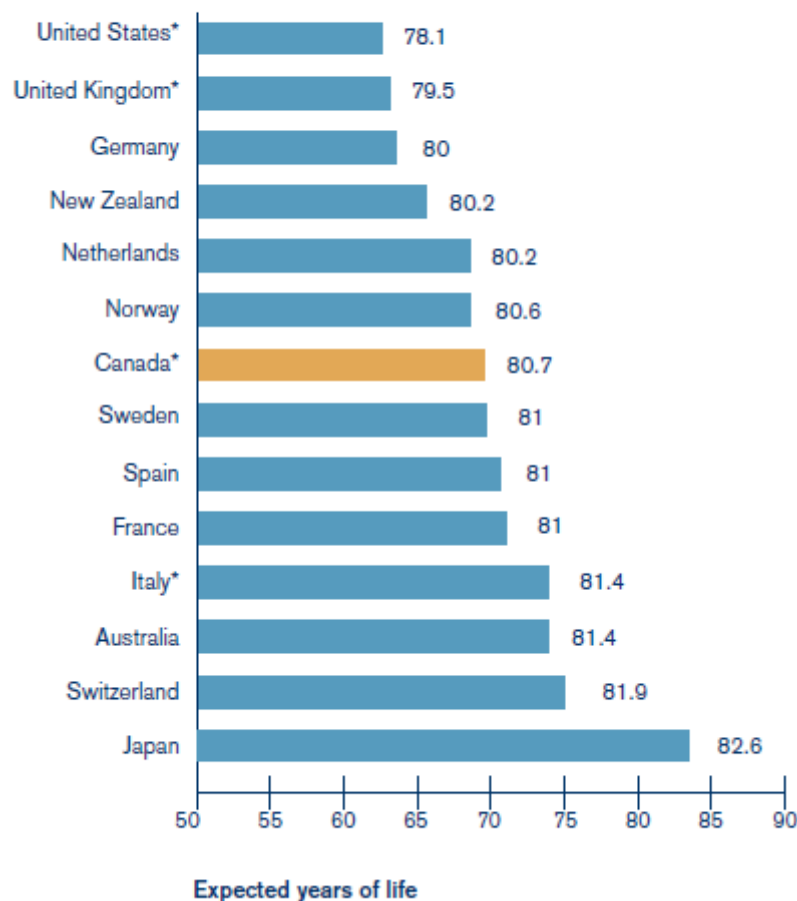


Notes: No data for the Territories

Source: Statistics Canada, 2010. Accessed at <http://www40.statcan.gc.ca/01/cst01/health26-eng.htm> on April 23, 2010. <http://www.statcan.gc.ca>



## Life expectancy at birth selected countries, 2007



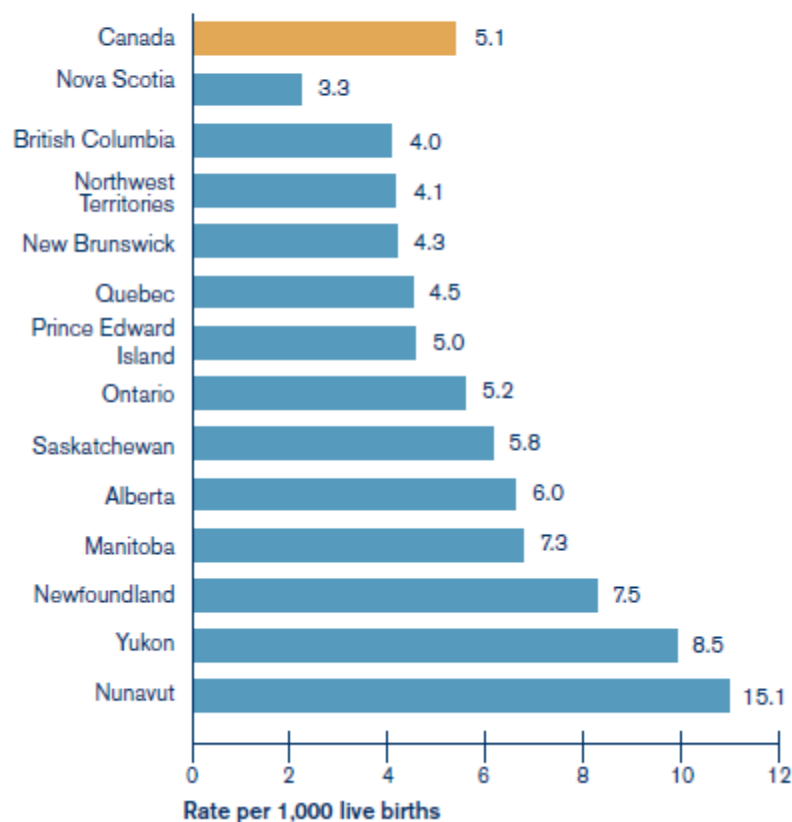
Notes: \*Data for 2006

Source: OECD stat extracts.

Paris: Organization for Economic Co-operation and Development; 2010.[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

Accessed at <http://stats.oecd.org/index.aspx> on May 3rd, 2010. [www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

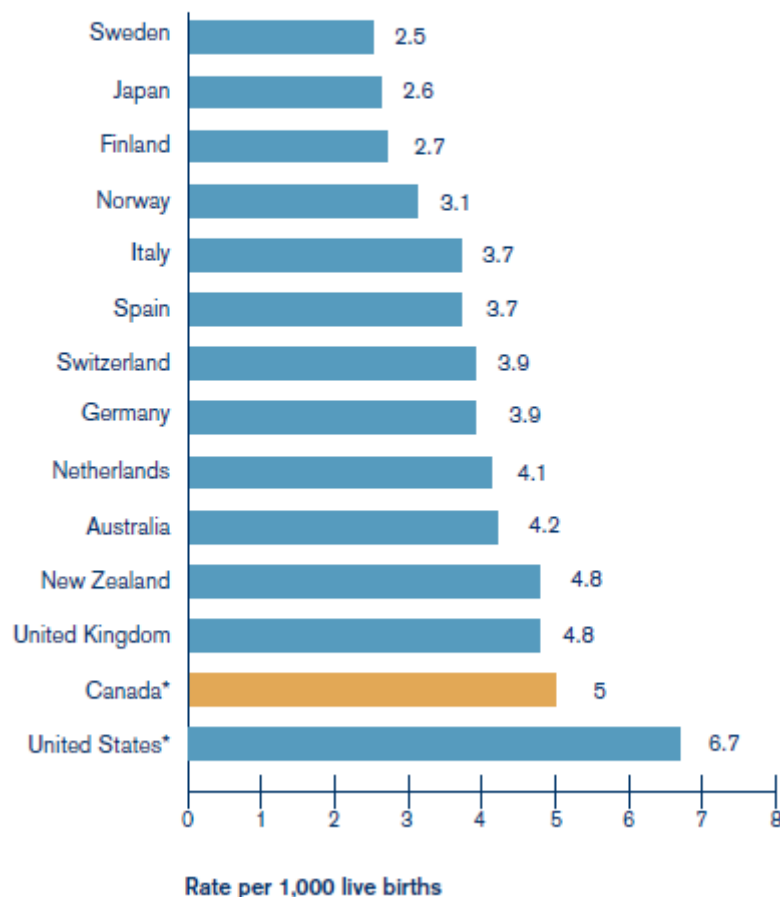
## Infant mortality Canada, 2007



Notes: The infant mortality rate is calculated as the number of deaths of children less than one year of age per 1,000 live births

Source: Statistics Canada, 2010. Accessed at <http://www40.statcan.gc.ca/01/cst01/health21a-eng.htm> on April 23, 2010. <http://www.statcan.gc.ca>

## Infant mortality selected countries, 2007

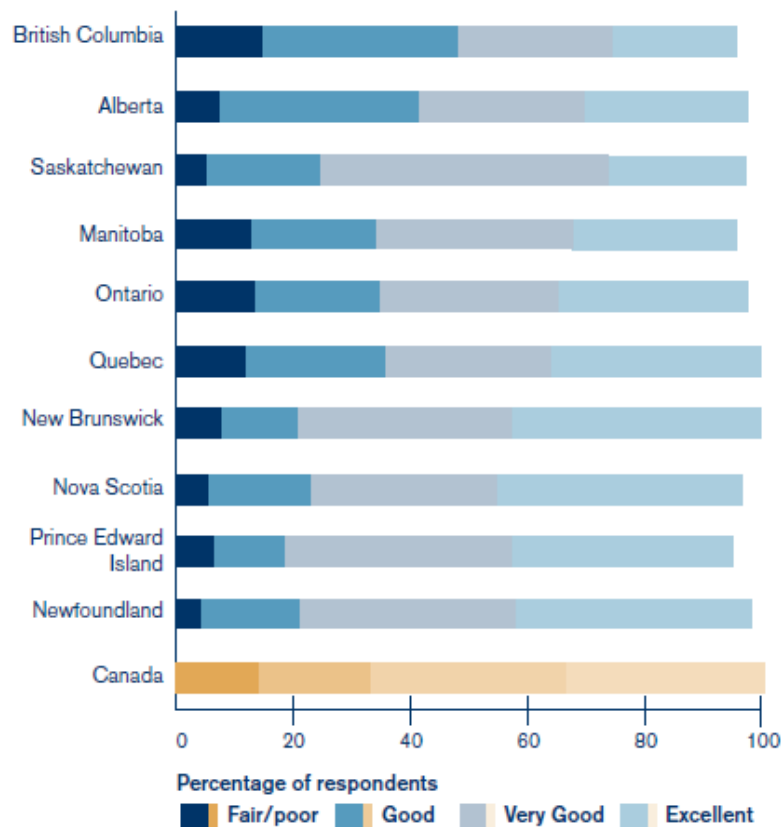


Notes: \*Data for 2006

Source: OECD stat extracts. Paris: Organization for Economic Co-operation and Development; 2010. Accessed at <http://stats.oecd.org/index.aspx> on April 14th, 2010. [www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Health System Performance

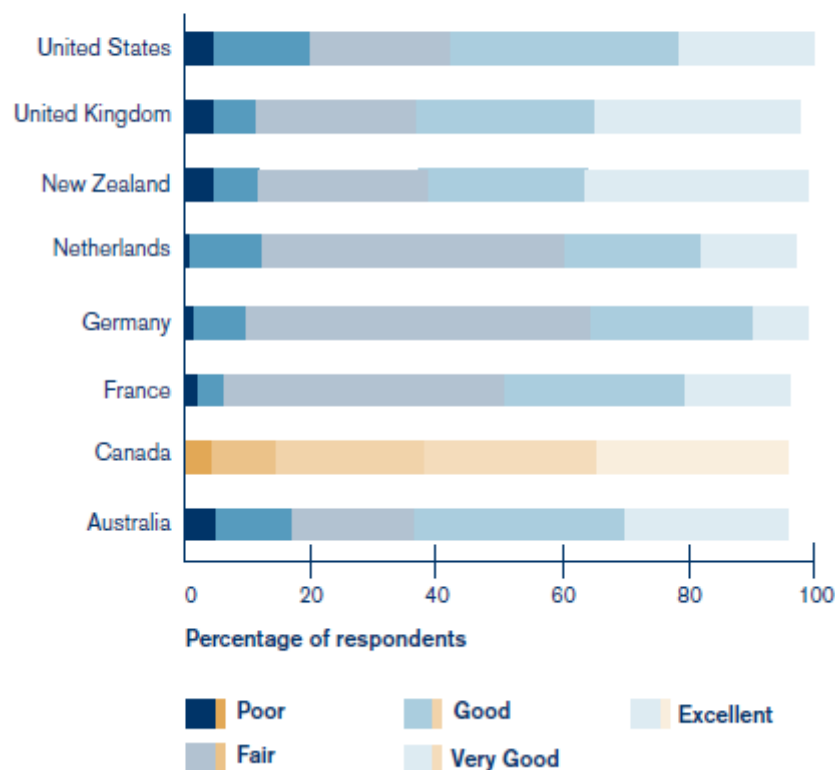
## Overall ratings of health care quality in proceeding 12 months Canada, 2008



### Percentage of respondents with Very Good, or Excellent ratings.

64%	British Columbia	74%	New Brunswick
62%	Alberta	77%	Nova Scotia
71%	Saskatchewan	74%	Prince Edward Island
66%	Manitoba	76%	Newfoundland
69%	Ontario	68%	Canada
69%	Quebec		

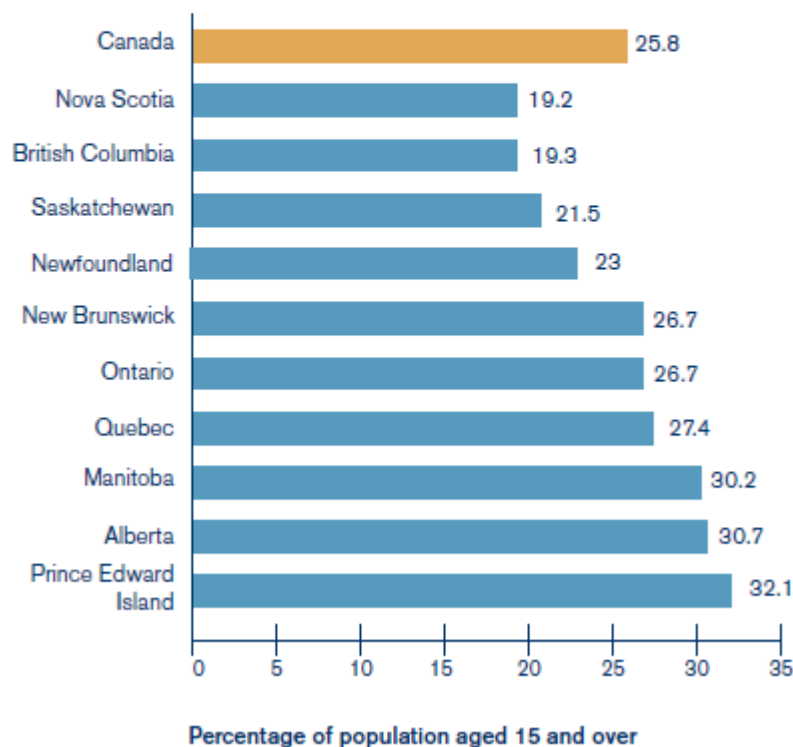
## Overall ratings of health care quality in proceeding 12 months selected countries, 2008



### Percentage of respondents with Very Good, or Excellent ratings.

55%	United States	34%	Germany
62%	United Kingdom	47%	France
66%	New Zealand	61%	Canada
37%	Netherlands	61%	Australia

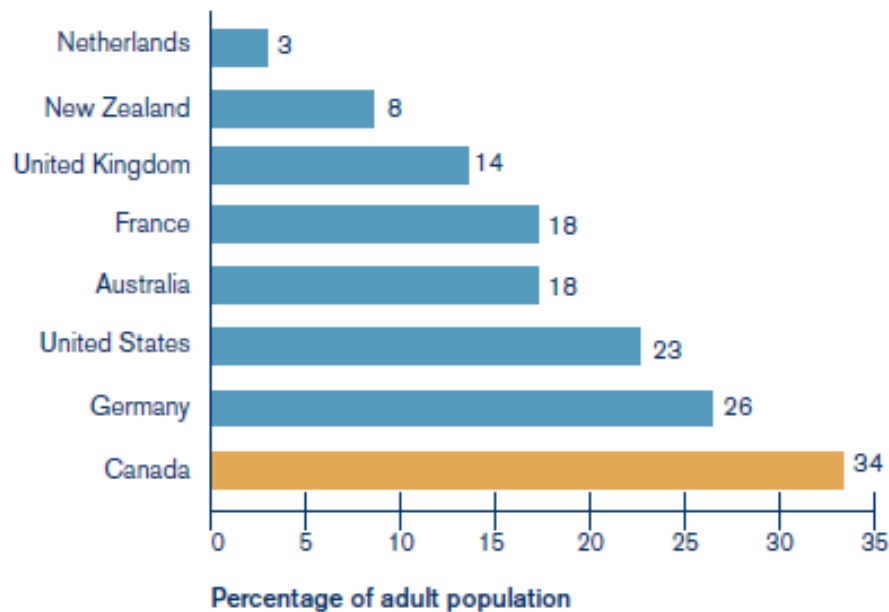
## Difficulties accessing immediate care Canada, 2007



Note: No data available for Yukon, Northwest Territories, or Nunavut; Based on household population aged 15 and over reporting difficulties accessing these services in past 12 months, for self or family member; "Minor health problem" includes fever, vomiting, major headaches, sprained ankle, minor burns, cuts, skin irritation, unexplained rash and others; non-life threatening health problems or injuries due to a minor accident.

Source: Statistics Canada, Canadian Community Health Survey (CCHS), 2003 and 2005.  
Accessed at <http://cansim2.statcan.gc.ca/cgi-win/cnsmcpgi.pgm> on May 4th, 2010.  
[www.statcan.gc.ca](http://www.statcan.gc.ca)

## Difficulties accessing immediate care selected countries, 2009

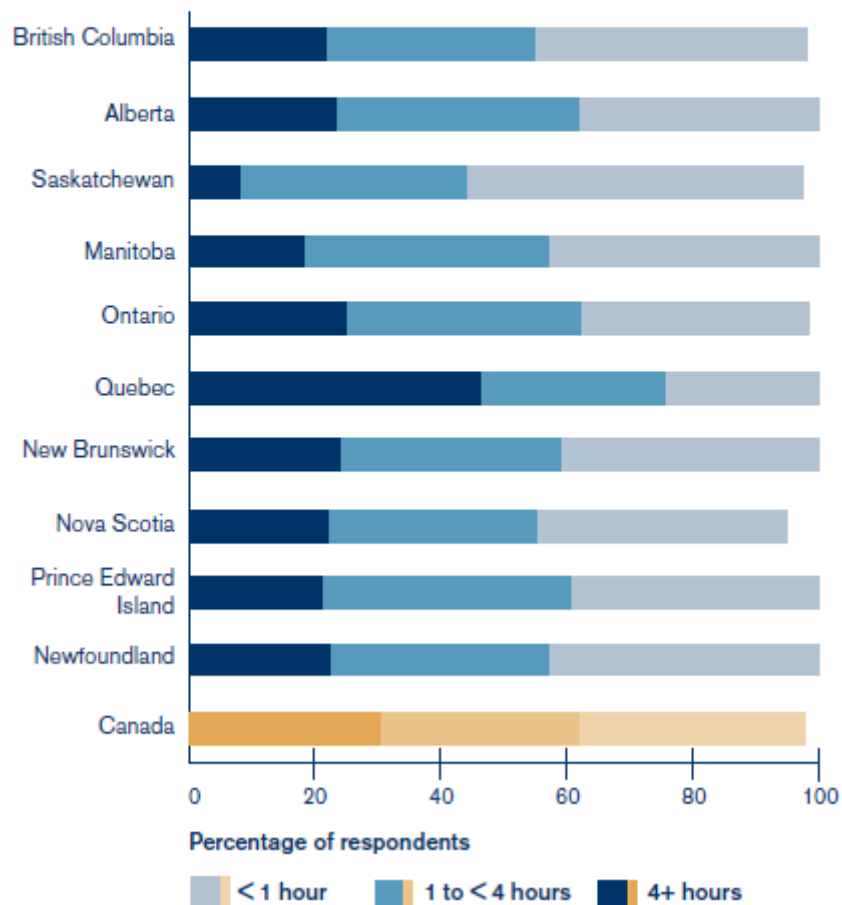


Note: patient waited over six days, or was never able to get an appointment for care

Source: Commonwealth Fund International Health Policy Survey of Sicker Adults. Accessed at <http://www.commonwealthfund.org/Content/Charts/Survey/2008-International-Health-Policy-Survey--In-Chronic-Condition-Experiences-of-Patients-with-Complex/A/Access-to-Doctor-When-Sick-or-Needed-Care.aspx>, on May 20, 2010; [www.commonwealthfund.org](http://www.commonwealthfund.org)



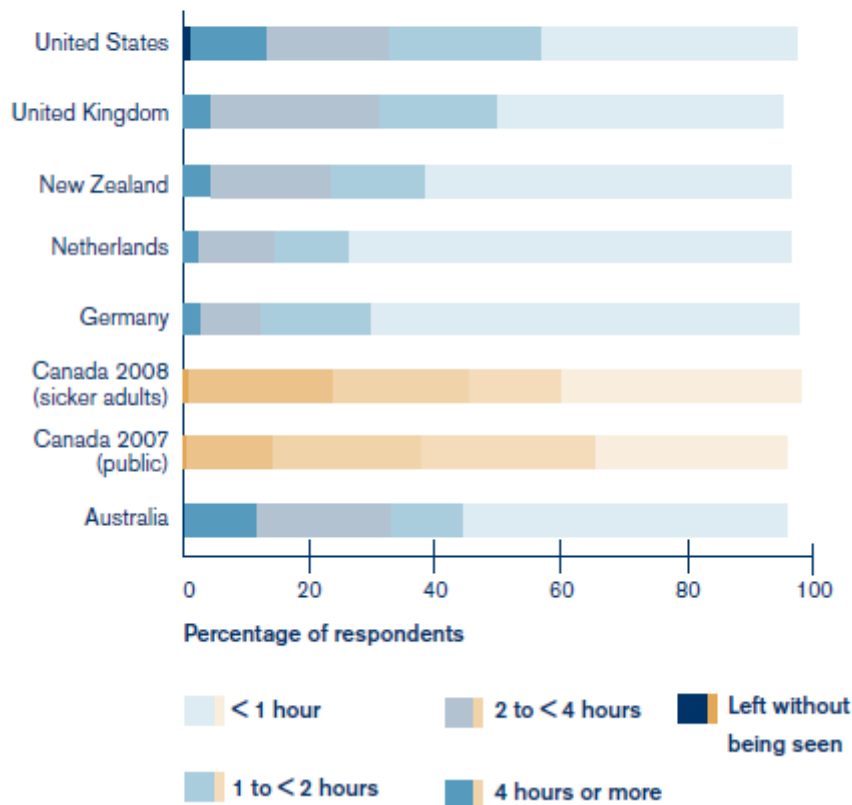
## Wait times in the emergency department Canada, 2008



### Percentage of respondents waiting more than 4 hours

21%	British Columbia	27%	New Brunswick
28%	Alberta	21%	Nova Scotia
14%	Saskatchewan	22%	Prince Edward Island
19%	Manitoba	23%	Newfoundland
27%	Ontario	30%	Canada
45%	Quebec		

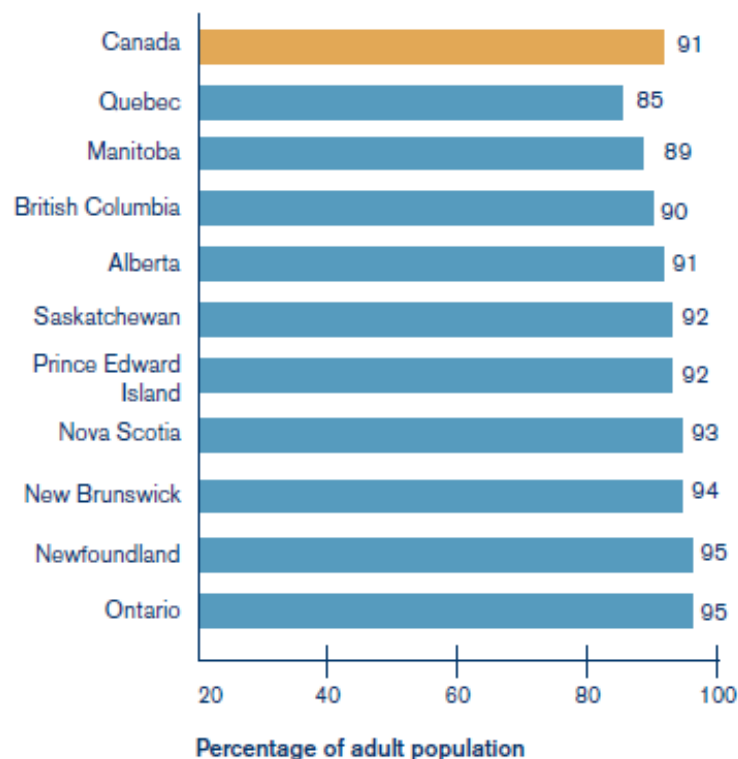
## Wait times in the emergency department selected countries, 2007 - 2008



### Percentage of respondents waiting more than 4 hours

12%	United States	9%	Germany
3%	United Kingdom	29%	Canada (2008)
9%	New Zealand	25%	Canada (2007)
5%	Netherlands	12%	Australia

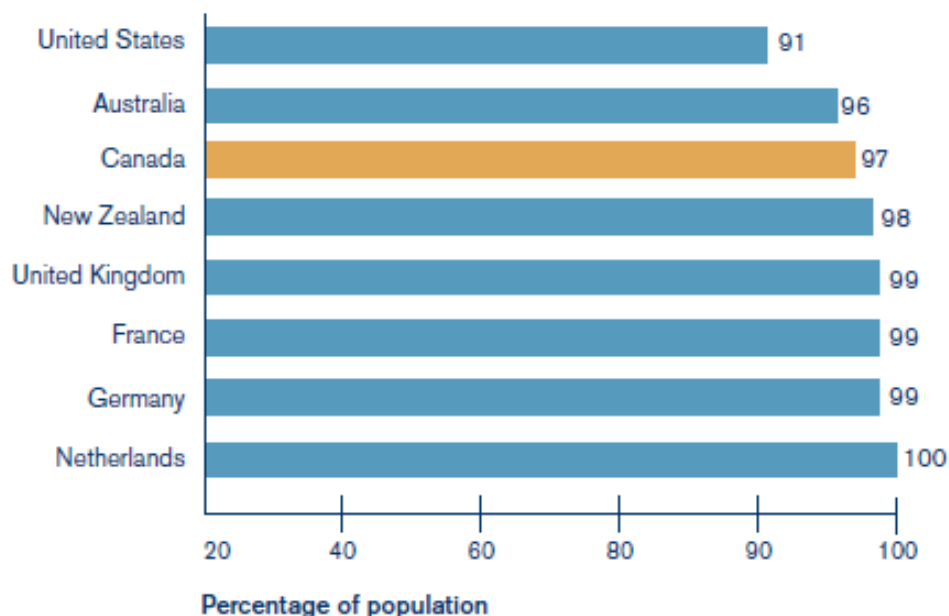
## Canadians who have a regular doctor or place of care Canada, 2008



Note: No data for Territories, however Canada estimate includes the Territories.

Source: Canadian Institute for Health Information; Analysis in Brief, 2009. Accessed at [http://secure.cihi.ca/cihiweb/products/cse\\_phc\\_aib\\_en.pdf](http://secure.cihi.ca/cihiweb/products/cse_phc_aib_en.pdf) on May 4th, 2010. [www.cihi.ca](http://www.cihi.ca)

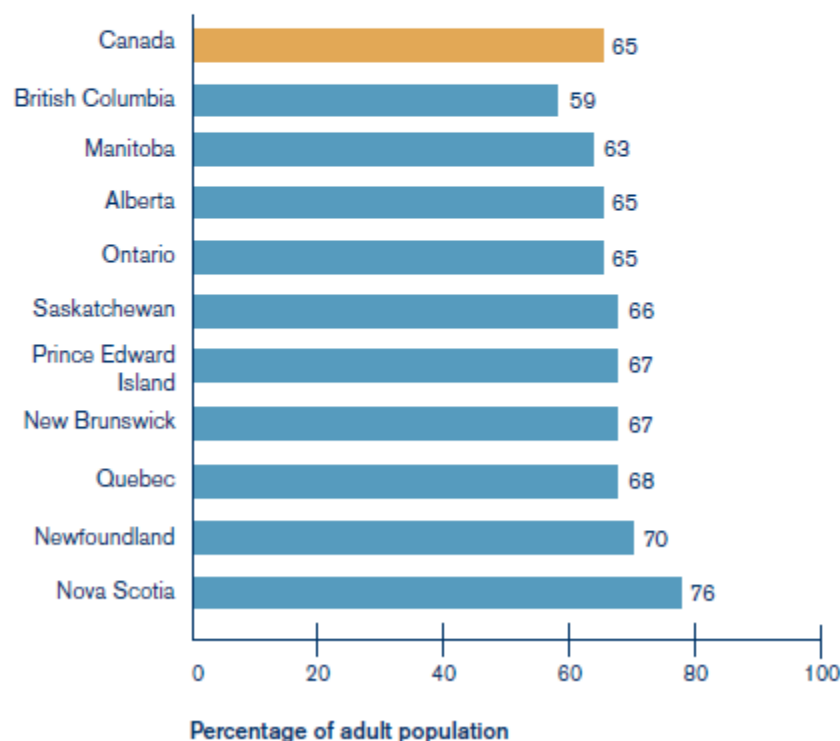
## Population who has a regular doctor or place of care selected countries, 2008



Note: Based includes those with a regular doctor or place of care.

Source: Commonwealth Fund International Health Policy Survey of Sicker Adults. Accessed at <http://www.commonwealthfund.org/Content/Charts/Survey/2008-International-Health-Policy-Survey---In-Chronic-Condition-Experiences-of-Patients-with-Complex-Access-to-Doctor-When-Sick-or-Needed-Care.aspx>, on May 20, 2010; [www.commonwealthfund.org](http://www.commonwealthfund.org)

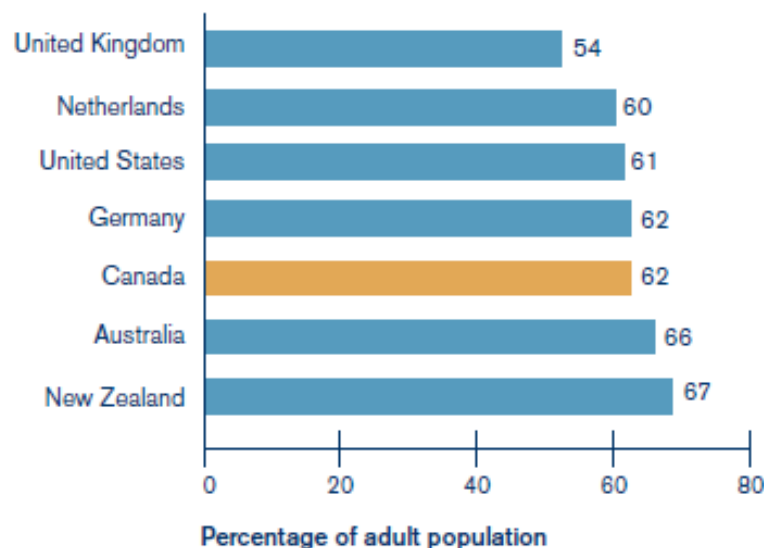
## Canadians who report their physician allowed enough time to discuss their feelings, fears, or concerns Canada, 2008



Note: No data for Territories; Based on adults who talked with their physician in the last twelve months.

Source: Canadian Institute for Health Information; Analysis in Brief, 2009. Accessed at [http://secure.cihi.ca/cihiweb/products/cse\\_phc\\_aib\\_en.pdf](http://secure.cihi.ca/cihiweb/products/cse_phc_aib_en.pdf) on May 20, 2010; [www.cihi.ca](http://www.cihi.ca)

## Population who report their physician always discussed their treatment options and involved them in their decision making selected countries, 2007

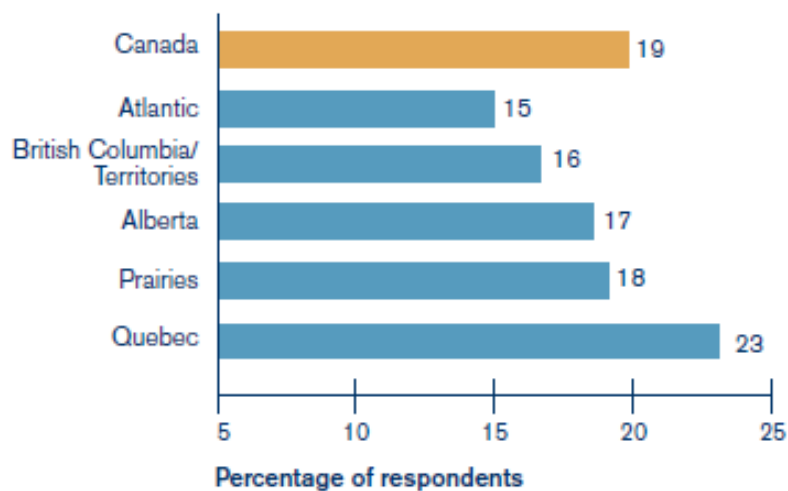


Note: Based on adults with a regular doctor

Source: Commonwealth Fund International Health Policy Survey of Sicker Adults. Accessed at <http://www.commonwealthfund.org/Content/Charts/Survey/2008-International-Health-Policy-Survey---In-Chronic-Condition-Experiences-of-Patients-with-Complex/A/Access-to-Doctor-When-Sick-or-Needed-Care.aspx>, on May 20, 2010; [www.commonwealthfund.org](http://www.commonwealthfund.org)

## Canadians who report adverse events as a result of care received

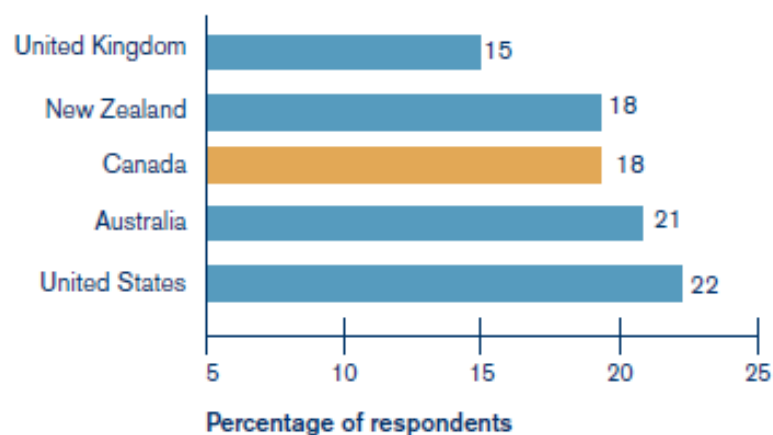
Canada, 2007



Note: In response to Health care in Canada Survey, 2007

Source: Quality of Health care in Canada: A Chart book. Accessed at [http://www.chsrf.ca/other\\_documents/index\\_e.php](http://www.chsrf.ca/other_documents/index_e.php), on May 25th 2010; [www.chsrf.ca](http://www.chsrf.ca)

## Patient report of a medical error or medical mistake in treatment care selected countries, 2008



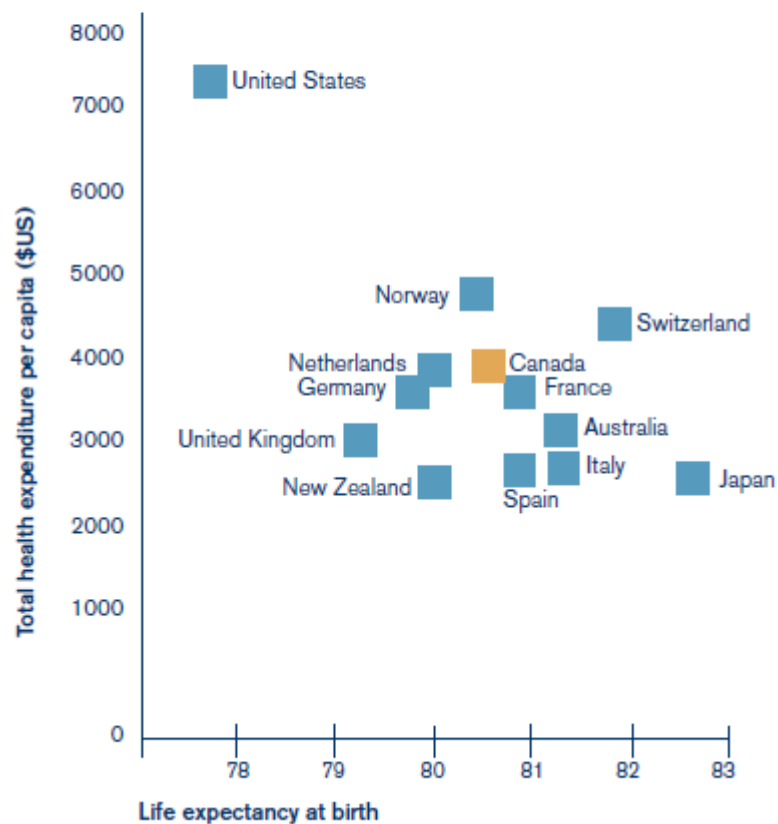
Note: In response to Commonwealth Fund International Health Policy Survey, 2008

Source: Quality of Health care in Canada: A Chart book. Accessed at [http://www.chsrf.ca/other\\_documents/index\\_e.php](http://www.chsrf.ca/other_documents/index_e.php), on May 25th 2010; [www.chsrf.ca](http://www.chsrf.ca)



## Life expectancy vs. health expenditure

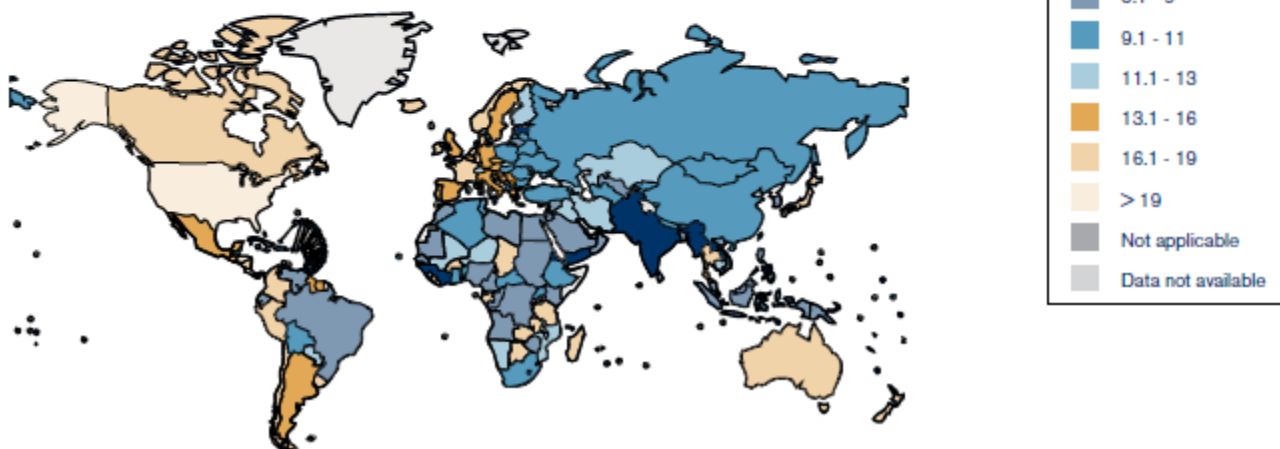
selected countries, 2007



Notes: \*Data for 2006

Source: OECD stat extracts. Paris: Organization for Economic Co-operation and Development; 2010. Accessed at <http://stats.oecd.org/index.aspx> on April 14th, 2010.  
[www.oecd.org/health/healthdata](http://www.oecd.org/health/healthdata).

## Percentage of total government expenditure on health 2007



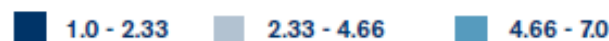
Notes: Based on data updated in March 2010. The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

Source: Data Source: National Health Accounts series, World Health Organization. Map Production: Public Health Information and Geographic Information Systems (GIS) World Health Organization

## Overall ranking selected countries, 2010

	AUS	CAN	GER	NETH	NZ	UK	US
<b>Overall ranking</b>	3	6	4	1	5	2	7
<b>Quality of care</b>	4	7	5	2	1	3	6
Effective care	2	7	6	3	5	1	4
Safe care	6	5	3	1	4	2	7
Coordinated care	4	5	7	2	1	3	6
Patient-centred care	2	5	3	6	1	7	4
<b>Access</b>	6.5	5	3	1	4	2	6.5
Cost-related problem	6	3.5	3.5	2	5	1	7
Timeliness of care	6	7	2	1	3	4	5
<b>Efficiency</b>	2	6	5	3	4	1	7
<b>Equity</b>	4	5	3	1	6	2	7
<b>Long, healthy, productive lives</b>	1	2	3	4	5	6	7
<b>Health expenditures/ capita, 2007</b>	\$3,357	\$3,895	\$3,558	\$3,837	\$2,454	\$2,992	\$7,290

### Country rankings



Note: \* Estimate. Expenditures shown in US PPP.

Source: Calculated by the Commonwealth Fund based on 2007 International Health Policy Survey; 2008 International Health Policy Survey of Sicker Adults; 2009 International Health Policy Survey of Primary Care Physicians; Commonwealth Fund Commission on a High Performance Health System National Scorecard; and OECD Health Data 2009 (November 2009).

We would appreciate your comments, questions, and suggestions about future content for this chartpack.

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The handbook is available in pdf at [www.ihe.ca/publications/library/2010](http://www.ihe.ca/publications/library/2010)