



**Carleton**  
UNIVERSITY

Canada's Capital University

# Canadian Health Data

**IASSIST 2017**

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- **What Canadian health data is available**
  - | Social science data
  - | For varying audiences
- **Statistics Canada**
- **CIHI**
- **CRDCN**
- **ODESI**

- **aka StatsCan aka STC**
- **All standard data products are available**
- **How to access**
  - | Be a DLI member
    - <http://www.statcan.gc.ca/eng/dli/dli>
  - | Contact data producer, request access, sign licence
  - | Subscribe to service that allows access to all public use data products
    - <http://www.statcan.gc.ca/pub/11-625-x/11-625-x2010000-eng.htm>



- **Only for**
  - | Canadian DLI members
  - | Subscribers

- + Statistics Canada Public Use Microdata Files (PUMF)
- + Fichiers de microdonnées à grande diffusion de Statistique Canada (FMG)
- + Statistics Canada metadata for Master Files (RDC)
- + Métadonnées pour les fichiers maîtres de Statistique Canada (CDR)



- **Statistics Canada's key socioeconomic database**
- **Updated daily**
- **Fast, free and easy access**

- [Health \(General\)](#) (23 tables)
- [Disability](#) (86 tables)
- [Diseases and health conditions](#) (159 tables)
- [Environmental factors](#) (14 tables)
- [Health care services](#) (106 tables)
- [Life expectancy and deaths](#) (125 tables)
- [Lifestyle and social conditions](#) (166 tables)
- [Mental health and well-being](#) (60 tables)
- [Pregnancy and births](#) (45 tables)
- [Prevention and detection of disease](#) (45 tables)



- **Includes data from**
  - | Statistics Canada (STC)
  - | CIHI (Canadian Institute for Health Information)
  
- **Also includes**
  - | Data tables, maps and fact sheets
  - | Analytical reports
  - | Summary tables



# HI - Summary tables

- [Age-standardized mortality rates by selected causes, by sex](#)
- [Age-standardized mortality rates by selected causes, by sex](#)
- [Age-standardized mortality rates by selected causes, by sex](#)
- [Arthritis, by age group and sex](#)
- [Arthritis, by age group and sex](#)
- [Arthritis, by sex, and by province and territory](#)
- [Arthritis, by sex, and by province and territory](#)
- [Asthma, by age group and sex](#)
- [Asthma, by age group and sex](#)
- [Asthma, by sex, provinces and territories](#)
- [Asthma, by sex, provinces and territories](#)
- [Births, estimates, by province and territory](#)
- [Births and birth rate, by province and territory](#)
- [Births and total fertility rate, by province and territory](#)
- [Births and total fertility rate, by province and territory](#)
- [Body mass index, changes between 1994/1995 and 2006/2007, 2008/2009 and 2010/2011, by sex](#)
- [Body mass index, overweight or obese, self-reported, adult, by age group and sex](#)
- [Body mass index, overweight or obese, self-reported, adult, by age group and sex](#)
- [Body mass index, overweight or obese, self-reported, adult, by sex, provinces and territories](#)
- [Body mass index, overweight or obese, self-reported, adult, by sex, provinces and territories](#)
- [Body mass index, overweight or obese, self-reported, youth, by sex](#)
- [Body mass index, overweight or obese, self-reported, youth, by sex](#)
- [Body mass index, overweight or obese, self-reported, youth, by sex, provinces and territories](#)
- [Body mass index, overweight or obese, self-reported, youth, by sex, provinces and territories](#)
- [Breastfeeding practices by age group](#)
- [Breastfeeding practices by age group](#)
- [Breastfeeding practices by province and territory](#)
- [Breastfeeding practices by province and territory](#)
- [Cancer, new cases, by selected primary site of cancer, by sex](#)
- [Changes in smoking between 1994/1995 and 2004/2005, 2006/2007, 2008/2009 and 2010/2011, by sex](#)

CANSIM



## Themes



[Access and Wait Times](#)



[Children and Youth](#)



[Community Care](#)



[Emergency Care](#)



[First Nations, Inuit and Métis](#)



[Health Inequality](#)



[Health Spending](#)



[Health System Performance](#)



[Health Workforce](#)



[Hospital Care](#)



[International Comparisons](#)



[Mental Health and Addictions](#)



[Organ and Joint Replacements](#)



[Patient Experience](#)



[Patient Outcomes](#)



[Pharmaceuticals](#)



## ■ Canadian Research Data Centre Network

- | Have to fill in an application to access the data
- | Data has to be analyzed on site
- | All data vetted before leaving the site
- | Related videos and researcher publications
  - *Open to the world*
  - *e.g., “The impact of technological intensity of service provision on physician expenditures”*



- Aboriginal health
- Addictions
- Behaviours influencing health
- Cancer
- Children's health and development
- Chronic diseases
- Disability and injury
- Health services
- Health inequalities
- Informal care
- Injuries
- Medication
- Mental health
- Nutrition
- Obesity
- Physical activities
- Seniors' health
- Teenagers
- Women's health

- **Data portal used by Ontario universities**
  - | Nesstar interface
  - | For browsing metadata
  - | To see basic frequencies
  - | Contact data producer if interested
    - *It may be available*
  - | \*Some are open to the world





- [-] Health
  - [-] CANADA
    - + Alcohol Consumption in Canada: A National Survey
    - + Canada Fitness Survey
    - + Canada Health Monitor
    - + Canada Health Survey (CHS)
    - + Canada's Alcohol and Other Drugs Survey (CADS)
    - + Canadian Addiction Survey (CAS)
    - + Canadian Alcohol and Drug Use Monitoring Survey (CADUMS)
    - + Canadian Community Health Survey (CCHS)
    - + Canadian Fertility Survey
    - + Canadian Health and Disability Survey
    - + Canadian Heart Health Database
    - + Canadian Survey of Experiences with Primary Health Care
    - + Canadian Tobacco, Alcohol and Drugs Survey (CTADS)
    - + Canadian Tobacco Use Monitoring Survey (CTUMS)
    - + Canadians' Attitudes Toward the Health Care System
    - + Discharge Abstract Database (DAD)
    - + Health and Activity Limitation Survey (HALS)
    - + Health Behaviour In School-Aged Children
    - + Health Promotion Survey (HPS)
    - + Health Regions
    - + Health Statistics at a Glance
    - + Joint Canada/United States Survey of Health (JCUSH)
    - + National Alcohol and Drug Survey (NADS)
    - + National Population Health Survey (NPHS)
    - + National Survey on Drinking and Driving
    - + Occupational Surveillance in Canada
    - + Ontario Health Survey (OHS)
    - + Participation and Activity Limitation Survey (PALS)
    - + Smoking Habits of Canadians
    - + Sun Exposure Survey (SES)
    - + Survey of Smoking Habits (SSH)
    - + Survey of Smoking in Canada (SSC)
    - + Survey on Ageing and Independence
    - + Youth Survey


## ■ Canadian Dataverses

| Some are open to the world

### 2014 National Survey of Canadian Nurses

This data set is a result of the first quantitative survey of Canadian nurses to explore their access to and use of digital health in nursing practice. It was a joint collaboration between the Canadian Nurses Association and Canada Health Infoway. ... [show more](#)

Matching Variables 35


Explore & Download 



### Practice and Research in Nursing (PRN) Wound Studies, 1999-2009 [Canada]

PRN Wound Studies consist of 6 studies examining the treatment and delivery of care for leg ulcers. The Studies cover the regions of Ottawa, Kingston, Toronto, Kitchener, London, Hamilton, Niagara, Thunder Bay, Winnipeg, Saskatoon, and ... [show more](#)

Matching Variables 106


Explore & Download 



### Alberta Survey, 1994

The 1994 Alberta Survey (AS) was the eighth annual provincial survey administered by the Department of Sociology, University of Alberta, through its research facility, the Population Research Laboratory (PRL)—major topics included in this survey: ... [show more](#)

Matching Variables 45

Explore & Download 



- **Canadian open data portal**
- **Filters**
  - | Portal type
  - | Collection type
  - | Organization
  - | Keywords
  - | Subject
  - | Format
  - | Resource type
- **Caution – definitions of data vary**

<http://open.canada.ca/data/en/dataset?q=health>



# Open government portal (cont'd)

## Mental Health Profile, Canadian Community Health Survey - Mental Health (CCHS...

Mental Health Profile, Canadian Community Health Survey - Mental Health (CCHS), by age group and sex, Canada and provinces

Organization: Statistics Canada

Resource Formats: [CSV](#) [XML](#) [HTML](#)

## Perceived health, by age group and sex

Perceived health, by age group and sex

Organization: Statistics Canada

Resource Formats: [CSV](#) [HTML](#)

## Canadians' Attitudes toward the Health Care System

A series of health-related data sets from various quantitative public opinion research studies.

Organization: Health Canada

Resource Formats: [CSV](#) [TXT](#) [HTML](#)

## Children's Health and Safety: Baseline Survey

A series of health-related data sets from various quantitative public opinion research studies.

Organization: Health Canada

Resource Formats: [CSV](#) [HTML](#)

## Health-adjusted life expectancy, by sex

Health-adjusted life expectancy, by sex

Organization: Statistics Canada

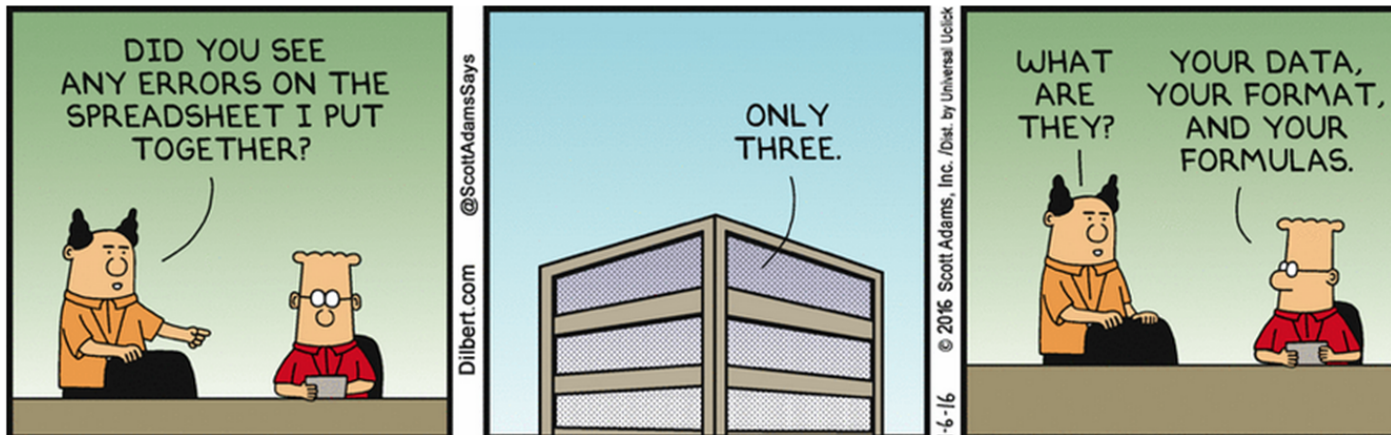
Resource Formats: [CSV](#) [HTML](#)



# In sum ....

- **We now know where to find Canadian Health data**
  - | Some of it is open to the world
  - | Definitions of data vary
  - | If in doubt, contact the data producer

Wednesday January 06, 2016 *Three Problems With Spreadsheet*





- **Canada – Open Government Portal**  
<http://open.canada.ca/data/en/dataset?q=health>
- **Canadian Research Data Centre Network**  
<https://crdcn.org/research>
- **CANSIM**  
<http://www5.statcan.gc.ca/cansim/a01?lang=eng>
- **CIHI (Canadian Institute for Health Information)**  
<https://www.cihi.ca>
- **ODESI**  
<http://odesi.ca>



- Links to various Health Resources.  
<https://library.carleton.ca/find/data/additional-links-subjects#hl>
- DLI Training Repository.  
<https://cudo.carleton.ca/collection/dli>

# Thank you!

## Contact Information

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