UNIVERSITY OF ALBERTA
CENTRE FOR HEALTHY COMMUNITIES

Health Equity Datasets Inventory

Last Updated: September 12, 2021

Contributors:

Roman Pabayo, PhD

Health Equity Thematic Area Lead, Centre for Healthy Communities

Jo Lin Chew, MSc student in Epidemiology

Health Equity Graduate Research Assistant, Centre for Healthy Communities

Suggested Citation (APA Citation Style):

Centre for Healthy Communities. (2021, September 10). *Health Equity Datasets Inventory.*

https://www.ualberta.ca/public-health/research/centres/centre-for-healthy-communities/resources/index.html

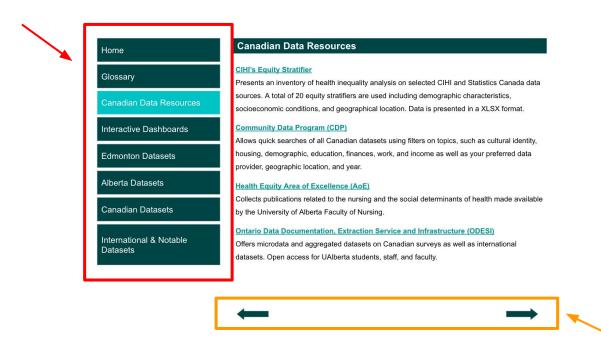## Authorship Licensing:

Contact Information:

Email: **healthy.communities@ualberta.ca**

Website: **https://www.ualberta.ca/public-health/research/centres/centre-for-healthy-communities/index.html**

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HOW TO USE THIS DOCUMENT

To allow for easy navigation, this Inventory is designed to be interactive. Users can move quickly from one section to another by clicking on any of the categories listed on the left-hand side of each page, as indicated by the red box.

Under each category, datasets are listed alphabetically with external links attached to the title. Some categories will have more than one page. Users can click on the dark blue arrows to get to the next or previous page, as indicated by the orange box.

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The Centre for Healthy Communities (CHC) Health Equity thematic area, led by Dr. Roman Pabayo, presents the Health Equity Dataset Inventory. As part of our commitment to promoting social and health equity around research, programs, and policy design, this Inventory was developed to bring together datasets focused on health equity and social determinants of health in Edmonton, Alberta, and across Canada. Researchers, policymakers, and stakeholders will find a total of 66 datasets, interactive dashboards, and data resources listed in our Inventory. We provide links to each of the resources and describe what data is available.

While the search for health equity datasets has shed light on the fact that health equity data is largely lacking, this Inventory is by no means a comprehensive list. If you would like to include your dataset or share datasets you found useful but were left out in this Inventory, feel free to contact us via **healthy.communities@ualberta.ca** and we will do our best to add it to the list.

For UAlberta students, faculty, and staff:

Some of the listed datasets in this Inventory can be accessed via the **University of Alberta Library's data files** which include microdata, aggregated data, time series, and mediated-access data.

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Some of the common health equity stratifiers found from the datasets in this Inventory include:

Gender

Race/Ethnicity

Indigenous Identity

Immigration Status

Education

Income

Housing

Employment

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Canadian Data Resources → A list of databases that holds a wide variety of health equity datasets in Alberta and other Canadian provinces.

Interactive Dashboards → A list of interactive health data that offer quick statistics and infographics based on different health equity indicators in Alberta.

Edmonton Datasets → A list of Edmonton-based health equity datasets.

Alberta Datasets → A list of Alberta-based health equity datasets.

Canadian Datasets → A list of health equity related surveys and datasets that are conducted on a national level. Provincial-level data including Alberta is available.

International & Notable Datasets → Includes an international health equity database from WHO and a notable health equity dataset from Ontario.

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Canadian Databases and Other Sources of Data

Lists Canadian health databases with accompanying scope (geographic location), target population, and database description by Portico. This document is presented in a PDF format.

Canadian Research Data Centre Network (CRDCN)

Allows searches for datasets by name, theme, subject, study design, or data type. Some data can be viewed via previous publications and tables made by Statistics Canada. Some RDC microdata are private and will require an **application** process.

Canadian Institute for Health Information (CIHI) Data and Reports

Allows quick searches of CIHI data and reports using filters, such as geographic location and primary themes on health care, health systems, health inequality, and population health.

Canadian Institute of Health Research (CIHR)

Lists health research data resources in Canada including CIHR-funded and other data platforms, training programs, publications, and learning resources.

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CIHI's A Toolkit - Equity Stratifier Inventory

Presents an inventory of health inequality analysis on selected CIHI and Statistics Canada data sources. A total of 20 equity stratifiers, including demographic characteristics, socioeconomic conditions, and geographical location are used. Data is presented in a XLSX format.

Community Data Program (CDP)

Allows quick searches of all Canadian datasets using filters on topics, such as cultural identity, housing, demographic, education, finances, work, and income as well as your preferred data provider, geographic location, and year.

Health Equity Area of Excellence (AoE)

Collects publications related to nursing and the social determinants of health made available by the University of Alberta Faculty of Nursing.

Ontario Data Documentation, Extraction Service and Infrastructure (ODESI)

Offers microdata and aggregated datasets on Canadian surveys as well as international datasets that are related to social sciences. Open access for UAlberta students, staff, and faculty.

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Non-Medical Determinants of Health

Provides a list of health indicators with definitions, source of data, and data tables. Indicators include the social determinants of health and health behaviours.

Statistics Canada

Allows searches of health statistics based on indicators, including social determinants, health conditions, environmental factors, health care, and others. Users can also stratify by geographic location. A list of available surveys and statistical programs by subjects can be accessed **here**.

Stats & Facts

Presents statistics on Canadian demographics, family status, education level, health conditions, income, household spending, poverty, and employment.

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Interactive Health Data

Alberta Interactive Health Data Application (IHDA)

Provides statistics (indicators) on health status and health determinants of Albertans. In particular, categories with the term "survey" contain measures of the social determinants of health.

Alberta Community Health Dashboard

Presents locally relevant and up-to-date information to help communities identify health needs. Users can examine risk factors grouped by social conditions and vice versa across different zones in Alberta.

Alberta Regional Dashboard

Provides a visual map and statistics based on selected indicators (e.g., demographics and population, education, lifestyle, health, employment) across municipalities in Alberta. Statistics are presented in an XLSX and a CSV format.

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Canadian Chronic Disease Indicator

Presents percentages of Canadian population based on their social and environmental stratifiers. This includes sex, age, geographic location, household income, ethnicity, Indigenous status, and immigration status.

Health Inequalities Data Tool

Contains data on indicators of health status and health determinants, stratified by a range of social and economic characteristics (i.e., social stratifiers) meaningful to health equity. This includes Indigenous identity, income, education, material and social deprivation, and rural/urban settings.

Our Stats Dashboard

Presents a wide range of social determinant of health stratifiers collected from the Sex Now Survey (cross-sectional study of Canadian gay, bi, trans, Two-Spirit and queer (GBT2Q) men). This dashboard is developed by **Community Based Research Centre (CBRC)**.

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Edmonton's Open Data Portal

Provides up-to-date Edmonton-based information and data. Click **here** to see a list of the latest surveys or click **here** to search a specific survey topic with available datasets. Some notable surveys include:

- **Edmonton Insight Community** - Collects citizens feedback from a wide range of topics on city policies, initiatives and issues. Variables include housing, transportation, cannabis use, environment, recreation, seniors transportation, neighbourhood data, and more.

- **Seniors Needs Assessment Survey (2015)** - Collects data on senior's participation in activities, barriers faced, indicators of isolation, perceptions of safety and security, financial security, and aging in place.

- **Budget Consultation Survey (2012)** - Provides information on demographic, household income, and spending categories.

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Social Well-Being Tracker

Tracks 75 social well-being indicators in the Edmonton and Alberta region. Organized by the Edmonton Social Planning Council (ESPC), categories include demographic, income, employment, education, built environment, and access to health services. Useful research and support links for each of the categories can be found **here**.

Homeless Management Information System (HMIS)

Collects and provides key indicators of homelessness in Calgary, including age, health status, employment status, and housing status. Data presentation in the form of reports and an interactive dashboard is available. See **instructions** on how to access data.

Homeward Trust Edmonton

Tracks a range of programs and services under **Edmonton's Plan to Prevent and End Homelessness** in Edmonton. Variables include the number of individuals experiencing homelessness with gender, Indigenous identity, age, and location stratifiers. Shelter capacity and usage by agencies in Edmonton are also recorded.

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Alberta's Administrative Health Datasets

Provides an overview of the available administrative datasets at Alberta Health.

Alberta Population Estimates

Presents population estimates at the municipal level, including components of population change and population by age and sex. This document is presented in an XLSX format.

Alberta Vital Statistics

Provides numbers and rates of vital events in Alberta, including births, marriage, and death. Information can be disaggregated by municipality and year. Visualization tool is also available.

Métis Settlements and First Nations in Alberta: Community Profile

Provides community profiles, such as population size, location, land base and community contacts of Métis Settlements and First Nations in Alberta in the form of PDF reports.

Alberta Community Health Survey (ACHS)

Collects data on determinants of health of Albertans through telephone survey. Variables include deprivation index, poverty, quality of life (EQ-5D), food security, housing, health behaviours, lifestyle, and social capital.

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Alberta Health Care System (CIHI)

Presents regional and provincial data on "social determinants in Alberta health care", including heavy drinking, early childhood development, obesity, smoking, and physical activity. Scroll down to the bottom of the CIHI webpage to access the data.

Alberta Health Service (AHS) Research & Innovation

Presents AHS data resources (request **here**) and lists AHS public surveys, including population health and patient experience (click **here** to view the resources).

Alberta's Open Government Portal

Provides open access to a wide range of datasets by the government of Alberta.

Alberta Survey

Contains a list of Alberta survey datasets on a wide range of keywords, including demographics, the social determinants of health, and other opinions. This page can only be accessed by UAlberta students, faculty, and staff.

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Alberta's Statistic Resources

Provides statistics on a wide variety of topics, including education, children's services, social services, multiculturalism, health, Indigenous relations, labour, and immigration.

Alberta's Tomorrow Project (ATP)

Examines the causes and prevention methods of cancer and chronic disease, along with a range of health indicators, such as the social determinants of health. An overview of the variables collected by this health research cohort study can be viewed **here**. Apply for data access **here**.

- Also available is the **Canpath**'s Tomorrow Project, which collaborates with six other locations, including British Columbia, Saskatchewan, Manitoba, Ontario, Quebec, and the Atlantic provinces. Explore their **data** using filters, such as sociodemographic, lifestyle and behaviours, quality of life, diseases, and more.

CIHI: Measuring Trends in Health Inequalities in Cities

Provides hospitalization, ambulatory, and day surgery indicators stratified by income level and census metropolitan area.

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CIHI: Trends in Income-Related Health Inequalities in Canada

Provides data on income levels and their relationship with indicators, such as employment, housing, food insecurity, health behaviours, and many more among Albertans and Canadians. Click **here** to read more about the study and **here** to see the list of indicators, as well as their respective definitions.

Health Quality Council of Alberta (HQCA)

Presents a list of surveys that inquire about Albertans' experiences with the health care system, including their "experience and satisfaction with patient safety, person-centered care, and health service quality".

PolicyWise for Children and Family: SAGE

Focuses on health and social sciences research around children, family, and community. Click **here** to learn more about this data repository by Secondary Analysis for Generating Evidence (SAGE).

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Open Data: Percent Visible Minority by Municipality

Provides data on people who report as being non-Caucasion, non-white, and non-Aboriginal.
Note that the data was last updated in 2016.

Statistics Canada: Surveys in Alberta

Allows searches for a specific survey in Alberta by filtering the results using data subject, data type, and statistical program or survey.

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Aboriginal Peoples Survey

Collects information on geography, age, Indigenous identity, and socioeconomic conditions of Inuit, Métis, and First Nations people living off reserve.

Canadian Community Health Survey (CCHS) - Annual Component

Gathers data on a wide range of "health status, health care use, and determinants of health" across Canada. CCHS also focuses on several other non-annual components including:

- **CCHS Mental Health** - Collects data on mental health and well-being, lifestyle and social conditions, functioning, and access to supports and services.

- **CCHS Nutrition** - Collects data on dietary intake, body composition, health conditions, and socioeconomic variables.

- **CCHS Healthy Aging** - Provides information on use and access to health care and support, socioeconomic variables, lifestyle habits, and health conditions.

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CanCHEC-DAD-NACRS (Canadian Census Health & Environment Cohort linked to Discharge Abstract Data/National Ambulatory Care Reporting System)

Provides linked data on geographical location, demographics, mortality, cancer records, hospitalization, and surgery procedures. Data is available at the research data centre (**apply for access**).

CCHS-CVSD-DAD-NACRS-OMHRS (Canadian Community Health Survey Linked to Vital Statistics - Discharge Abstracts - Ambulatory Care and Mental Health Records)

Provides linked data on demographics, socioeconomic characteristics, hospitalization, health conditions, mental health, geographic location, and environmental factors. Data is available at the research data centre (**apply for access**).

Canadian Index of Wellbeing (CIW)

Collects national, provincial, and regional data on quality of life, democratic engagement, education, environment, mental and physical well-being, leisure, living standards, and time use. Conducted by the University of Waterloo, the CIW **reports** are publicly available. More information on how to access their repository data can be found **here**.

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Canadian Income Survey (CIS)

Collects data on income and income sources of Canadians, employment, and demographics via annual cross-sectional survey.

Canadian Student Tobacco, Alcohol, and Drugs Survey (CSTADS)

Collects data on youth substance use, bullying, mental health, sleep habits, and connectedness.

- **Canadian Tobacco, Alcohol, and Drugs Survey (CTADS)** - similar study but with a focus on the general population.

Canadian Survey on Disability (CSD)

Provides information on Canadian youths and adults who are living with disability and their access to support and services, education, employment, income, and experiences.

Canadian Health Survey on Children and Youth (CHSCY)

Provides information on the health and well-being status of children aged 1 to 17 years. Variables collected include lifestyle, physical activity, and school activities.

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Canadian Centre on Substance Use and Addiction (CCSA)

Provides reports on data trends of substance use among youth and adults across Canadian provinces.

Centre for Addiction and Mental Health (CAMH) Study Database

Lists studies on a wide range of topics focused on mental health, addiction, and substance use. Search terms are available to help identify study of interest.

Census of Population

Collects data of Canadian demographic and socioeconomic factors across provinces and territories.

COMPASS System

Collects information on changes to school policies and programs, as well as the health behaviours of secondary school students. Variables include substance use, physical activity, eating habits, and mental health status. Guidelines on how to access data and the application form are available **here**.

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Employment Diversity and Inclusion Statistics

Presents statistics on employment equity and diversity, workplace issues, and experiences that are focused on women, Indigenous peoples, members of visible minorities, and persons with disabilities who work in the public service.

First Nations Information Governance Centre (FNIGC)

Provides access to data from the First Nations Regional Health Survey and the First Nations Regional Early Childhood, Education and Employment Survey. Search for data using keywords or categories, including social determinants, demographics, community wellness, and substance use. Both open and closed data access are available. To request for data, click **here**.

General Social Survey: Canadians at Work and Home (GSS)

Collects data on the well-being, work, social, and living conditions of Canadians. Variables include employment status, job satisfaction, resiliency, life satisfaction, and more.

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Insights on Canadian Society

Compiles a wide range of studies focused on the collection of social determinants, as well as their impact on Canadian health and well-being.

Survey of Household Spending (SHS)

Collects data on demographic characteristics of household members, income, and household spending on food and other expenses.

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WHO Health Equity Monitor Database

Collects international data on topics related to reproduction, maternal health, newborn, and child health with stratifiers, such as education, economic status, geographic location, and demographics.

Public Health Ontario

Provides a wide range of health equity related resources including courses, data, fact sheets, research, and health equity related news.

- **PHO: Health Equity Data** - Health equity related data collected across the Public Health Units (PHU) and Ontario's Local Health Integration Network (LHIN) in the context of emergency department visits and hospitalizations.