

Using Census data to Enrich Alberta Non-profits

Data products & Analyses



Delivering insight through data for a better Canada



Statistics
Canada

Statistique
Canada

Canada

AGENDA



- Highlights of 2021 Census data products
 - Data visualizations
 - Census profile
 - Data tables
- Research considerations
- Beyond 2020 application
- Access to 2021 Census data products
- Activity



HIGHLIGHTS OF 2021 CENSUS DATA PRODUCTS





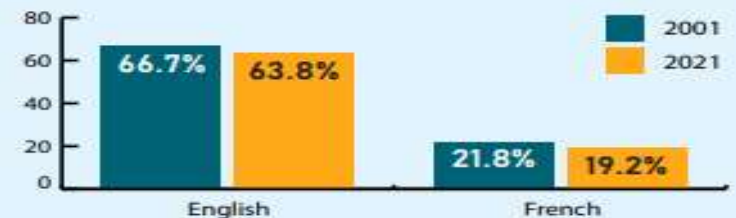
DATA VISUALIZATION



Increasing diversity of languages, other than English or French, spoken at home

Language spoken predominantly at home¹

While the number of Canadians who speak English or French predominantly at home has never been higher, their relative weight in the population has been declining since at least 2001 because of the more rapid increase of other languages.



4.6 million Canadians (12.7%) speak a language other than English or French predominantly at home

- **Up** from 2001 (9.7%).
- **Strong growth** in the number of Canadians who spoke a language from **South Asia**, as well as **Mandarin**, **Arabic** and **Tagalog**, predominantly at home.

Predominant language spoken at home among those whose mother tongue was neither English nor French

Hello everyone!

Ranking of languages spoken predominantly at home by the largest number of people²



Predominant home language spoken by the largest number of people for some metropolitan areas²



INCOME EXPLORER

This interactive chart is comprised of two visualizations to show statistics of selected income sources by various characteristics and geographies (link: [Income Explorer, 2021 Census \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/27-601-x/2021001/article/00001-eng.htm))



2021 CENSUS PROFILE

Presents information from the 2021 Census of Population for various levels of geography, including provinces and territories, census metropolitan areas, communities and census tracts

Statistics Canada / Statistique Canada

Search website

Subjects | Data | Analysis | Reference | Geography | Census | Surveys and statistical programs | About StatCan | Canada.ca

Home > Census of Population > Data products, 2021 Census > Census Profile, 2021 Census of Population > Search results for "Alberta"

Census Profile, 2021 Census of Population

Profile table

Feedback | Note: Gender | Download

▶ Add a geography

▶ Add or remove data

Alberta ⓘ

[Province]

Counts

Characteristic	Counts		
	Total	Men +	Women +
Population and dwellings			
Population, 2021 ¹	4,262,635	...	...
Population, 2016 ¹	4,067,175	...	...
Population percentage change, 2016 to 2021	4.8	...	...
Total private dwellings ²	1,772,670	...	...
Private dwellings occupied by usual residents ³	1,633,220	...	...
Population density per square kilometre	6.7	...	...
Land area in square kilometres	634,658.27	...	...
Age characteristics			

DATA TABLES

This series of cross-tabulations presents a portrait of Canada based on the various census topics. They range in complexity and are available for various levels of geography.

Topics will become available according to the [release schedule of topics](#). Data tables are also available and can be [browsed by variable](#) or browsed through a [map](#).

Variables – Topics

- Population and dwellings counts
- Age, sex at birth and gender
- Families, households and marital status
- Canadian military experience
- Income
- Language
- Indigenous Peoples
- Type of dwelling
- Immigration, place of birth and citizenship
- Ethnocultural and religious diversity
- Mobility and migration
- Education
- Labour, commuting and language at work
- Instruction in the official minority language



EXAMPLE: DATA TABLE / MULTI VARIABLES CROSS TABULATION

Marital status, age group and gender: Canada, provinces and territories, census divisions and census subdivisions

Table: 98-10-0128-01

Geography: Canada; Province or territory; Census division; Census subdivision

Universe: Population 15 years of age and older, 2021 and 2016 censuses — 100% data

Variable list: Marital status (13), Gender (3a), Census year (2), Age (16)

Description: Data on marital status, age group and gender for the population aged 15 and over, Canada, provinces and territories, census divisions and census subdivisions, 2021 and 2016 censuses.

Marital status (13)

Total - Marital status

Married or living common-law

Married

Living common-law

Living common law - Never married

Living common law – Separated

Living common law – Divorced

Living common law – Widowed

Not married and not living common-law

Not married and not living common law - Never married

Not married and not living common law – Separated

Not married and not living common law – Divorced

Not married and not living common law - Widowed

Gender (3)

Total – Gender

Men+

Women+

Age(16)

Total – Age

15 to 19 years

20 to 24 years

25 to 29 years

30 to 34 years

35 to 39 years

40 to 44 years

45 to 49 years

50 to 54 years

55 to 59 years

60 to 64 years

65 to 69 years

70 to 74 years

75 to 79 years

80 to 84 years

85 years and over



EXAMPLE: DATA TABLE / MULTI VARIABLES CROSS TABULATION

Low-income status by age and gender: Canada, provinces and territories, census divisions and census subdivisions

Frequency: Occasional

Table: 98-10-0103-01

Release date: 2022-07-13
















Geography: Canada, Province or territory, Census division, Census subdivision

Universe:

Persons in private households in occupied private dwellings, 2021 and 2016 censuses — 100% data

Variable List:

- Age (8)
- Gender (3a)
- Year (2)
- Individual low-income status (8)

Geography	Alberta 						Edmonton 					
	Total - Gender		Men+ ⁶		Women+ ⁷		Total - Gender		Men+ ⁶		Women+ ⁷	
Year (2)	2020	2015	2020	2015	2020	2015	2020	2015	2020	2015	2020	2015
Individual low-income status (8) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸	Prevalence of low income (LIM-AT) (%) ⁸
Age (8) ⁴												
												
Total - Age	9.2	9.7	8.8	9.2	9.6	10.2	10.0	10.8	9.6	10.3	10.3	11.4
0 to 17 years	11.2	13.6	11.2	13.6	11.3	13.6	12.9	16.0	12.8	16.0	13.0	16.0
18 to 24 years	9.4	10.5	8.8	9.5	10.1	11.6	12.0	13.7	11.1	12.4	12.9	15.1
25 to 54 years	7.3	8.0	7.0	7.4	7.7	8.6	8.1	8.9	7.7	8.2	8.4	9.7
55 to 64 years	9.9	8.8	10.1	8.7	9.7	8.9	9.4	8.8	9.8	9.0	9.0	8.6
65 years and over	10.6	8.6	9.0	7.0	12.0	10.1	10.7	8.3	9.1	6.7	12.1	9.7

TIPS & CONSIDERATIONS



RESEARCH

What is the nature and scope of the research you plan to do?

- Simple univariate analysis?
- Cross tabulations with multiple variables?
- What level of geography?
- What are the confidentiality rules / thresholds?

Research objectives dictate which data products you use



UNIVERSES

- Variables should all be related to the same universe
- Sub-universes
- User-defined universes



VARIABLES

- Use reference material on StatCan website (e.g. dictionary, reference guides, concept overviews, etc., this link is especially useful: [Browse data tables by variable, 2021 Census \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/92-627-x/2019001/article/00001-eng.htm))
- Always check to see if something can be done
- User-defined variables



HISTORICAL DATA

- Comparability of geographies
- Comparability of variables
- 2011 National Household Survey (NHS)
- Current dollars



FREE DATA

- Statistics Canada website [Census of Population \(statcan.gc.ca\)](https://www.statcan.gc.ca)
- Provincial/Territorial Statistical Agencies
- Open Government portal
- Library and Archives Canada
- Universities



OPEN DATA LICENSE

- Usage
- Intellectual property
- Acknowledgement



BEYOND 20/20 PROFESSIONAL BROWSER



Beyond
20/20

WHAT IS BEYOND 20/20?

The Beyond 20/20 Browser is a Windows-based program used to browse Beyond 20/20 tables and extracts



BEYOND 20/20 TABLE VIEW

Data in the Beyond 20/20 table are determined by:

- Dimensions that are “active” in the Table View
- Dimensions that are “parked” in the Table View

The active item of a dimension can be changed by:

- Selecting the dimension by highlighting it
- Using the arrow buttons to cycle/select the items, or dragging-and-dropping the variable into the table

Number and age	Total - Census families with children aged...	Families with at least one ...	1 child (aged 0 to 24 years)	0 to 5 years	6 to 17 years
Total - Census family structure	5.0	4,938,095.0	1,885,545.0	609,205.0	4,328,890.0
Census families with children	5.0	3,721,250.0	1,248,200.0	474,105.0	3,247,145.0
Total - Census family structure	3,686,105.0	427,740.0	3,258,370.0	1,089,545.0	454,630.0
Simple stepfamilies	317,020.0	52,435.0	264,585.0	158,655.0	19,475.0
Complex stepfamilies	200,490.0	2,195.0	198,295.0	0.0	0.0
Lone-parent census families	1,612,805.0	395,960.0	1,216,840.0	637,345.0	135,100.0
Male lone-parent census families	350,470.0	81,550.0	268,920.0	159,515.0	25,505.0
Female lone-parent census families	1,262,340.0	314,410.0	947,925.0		

Beyond 20/20 Professional Browser - Census Family Structure Including Stepfamily Status (9) and Number and Age Combinations of Children (29) for Census Famil

File Edit View Dimension Item Window Help

Census family s

Census Family Structure Including Stepfamily Status (9) and Number and Age Combinations of Children (29) for Census Families with Children in Private Households of Canada, Provinces and Territories

Geography: Canada (01) 20000 (4.0%) Census year (2): 2016

Census family s	Number and age	Total - Census families with ...	Families with children aged...	Families with at least one ...	1 child (aged 0 to 24 years)	0 to 5 years	6 to 14 years	15 to 17 years	18 to 24 years	2 to 4
Total - Census family structure	5,816,420.0	878,325.0	4,938,095.0	1,885,545.0	609,205.0	474,575.0	210,080.0	591,690.0	210,080.0	210,080.0
Couple census families with children	4,203,615.0	482,365.0	3,721,250.0	1,248,200.0	474,105.0	277,985.0	119,495.0	376,615.0	119,495.0	119,495.0
Intact families	3,686,105.0	427,740.0	3,258,370.0	1,089,545.0	454,630.0	233,720.0	92,925.0	308,270.0	92,925.0	92,925.0
Stepfamilies	517,510.0	54,635.0	462,880.0	158,650.0	19,475.0	44,270.0	26,575.0	68,340.0	26,575.0	26,575.0
Simple stepfamilies	317,020.0	52,435.0	264,585.0	158,655.0	19,475.0	44,270.0	26,575.0	68,340.0	26,575.0	26,575.0
Complex stepfamilies	200,490.0	2,195.0	198,295.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lone-parent census families	1,612,805.0	395,960.0	1,216,840.0	637,345.0	135,100.0	196,590.0	90,580.0	215,075.0	90,580.0	90,580.0
Male lone-parent census families	350,470.0	81,550.0	268,920.0	159,515.0	25,505.0	47,300.0	24,720.0	61,995.0	24,720.0	24,720.0
Female lone-parent census families	1,262,340.0	314,410.0	947,925.0	477,825.0	109,590.0	149,290.0	65,865.0	153,080.0	65,865.0	65,865.0

For Help, press F1 9/9 Total - Census family structure ENG

TABLE VIEW CHANGES

The Table View can be changed by:

- Exchanging Columns for Rows
- Parking dimensions on the Dimension Bar
- Dragging dimension tiles to Row or Column positions
- Nesting tiles
- Changing the language

ACCESSING 2021 CENSUS DATA PRODUCTS



www.statcan.gc.ca

The screenshot shows the Statistics Canada website interface. At the top, there is a navigation bar with the Canadian flag and the text "Statistics Canada" and "Statistique Canada". A search bar is located on the right. Below the navigation bar, there are several menu items: "Subjects", "Data", "Analysis", "Reference", "Geography", "Census", "Surveys and statistical programs", "About StatCan", and "Canada.ca". The main content area features a large banner for the "Census Program" and "Census of Population". The banner includes a red maple leaf graphic and a description: "A detailed statistical portrait of Canada and its people by their demographic, social and economic characteristics." Below the banner, there are several navigation links: "Census data", "Census analysis", "Census reference", "Census topics", "Census geography", and "Census of Agriculture". The "Key indicators" section is visible, showing a dropdown menu set to "Canada" and four data cards. The data cards display the following information:

Indicator	Value
Indigenous population, 2021	1,807,250
2016 to 2021 Indigenous population change (%)	9.4
Average age of the Indigenous population	33.6
Homeownership rate (%)	66.5

WEBSITE
Activity

Who? Target population

When? Year, month, frequency of data,
historic comparison

What? Data we're interested in
Variables

Why? Objectives, goals, information
needs, ???

Where? Geography

How? Sources of data

WEBSITE

Activity



?????????

Who?

When?

What?

Why?

Where?

How?



CONTACT US

Toll-free: 1-800-263-1136
Email: infostats@statcan.gc.ca

Thank-you!

Questions?