

## Finding and Mapping Census Data

Presented by: Sarah Simpkin and René Duplain

## Agenda

- What's the census?
- Types of statistical publications
- Finding census data
- Census geographies

## What's the census?

A historical census form from 1901, titled 'Census of Population, By Ward 1901'. It is a large grid with many columns and rows, containing handwritten entries. The form is titled 'Census of Population, By Ward 1901' and includes various demographic data points.

Census of Population, By Ward 1901

## What's the census?

- Statistics Canada conducts a census every 5 years (every 10 years before 1986).
- The census collects demographic information on every person living in Canada. This information is used by governments, businesses, associations, community groups, and researchers to make decisions and plan services.



## Census questionnaires

2016 [Long form] \*  
2016 [Short form] \*

2011 [National Household Survey]  
2011 [Short form]

2006 [Long form]  
2006 [Short form]

\*Data to be released in 2017



## Two major statistical publications

### Profiles

Simple variable tables

Many levels of geography (census tracts, census metropolitan areas, provinces, etc.)

### Tabulations

Allow cross-tabulations of 2+ variables

Must find tables that include the variables you're looking for

## Census profiles

	Montreal, QC (Census metropolitan area)	Ottawa, ON (Census metropolitan area)
Population in 2011	3,824,221	921,823
Population in 2006	3,635,556	846,802
2006 to 2011 population change (%)	5.2	8.9
Mother tongue: English	439,845	558,780
Mother tongue: French	2,395,525	145,355
Married or living with a common-law partner	1,728,495	431,495

Limitation: Variables (e.g. mother tongue and marital status) cannot be combined.

Univariate overviews of geographic areas (can examine one variable at a time). Links: [2011 Census](#) | [2011 NHS](#) | [2006 Census](#)

## Census (cross) tabulations

Sex (2) (3)	Total - Sex	Geography	Montreal (462)	20000 (19.7%)	Age groups (10)	Total - Age groups
Religion (19)	Selected demogr	Non-immigrants	Born in province of re.	Born outside province of re.	Immigrants	
Total population by selected religions	2,842,210	2,728,125	119,085	846,645		
Buddhist	14,590	13,530	1,060	31,910		
Christian	2,272,305	2,190,100	82,215	489,995		
Anglican	26,005	21,975	4,030	7,845		
Baptist	11,795	10,470	1,325	10,960		
Catholic	2,060,460	1,999,095	61,370	301,995		
Christian Orthodox	46,820	45,365	1,455	74,240		
Lutheran	1,970	1,485	390	3,195		
Pentecostal	12,650	11,950	700	12,590		
Presbyterian	4,935	3,985	950	3,110		
United Church	10,850	11,905	3,930	2,460		
Other Christian	91,910	84,760	7,155	73,665		
Hindu	10,515	10,010	505	20,380		
Jewish	66,940	53,645	3,300	24,800		
Muslim	60,035	57,975	2,060	151,205		
Sikh	2,420	2,245	175	6,000		
Traditional / (Aboriginal) Spirituality	135	75	60	30		
No religious affiliation	4,725	4,075	650	2,750		
	426,540	396,475	29,060	119,400		

Advantage: two variables (e.g. religion and immigration status) can be combined.

99-010-X2011002 Religion (19), Age Groups (10), Sex (3), Selected Demographic, Cultural, Labour Force and Educational Characteristics (268) for the Population in Private Households of Canada, Provinces, Territories, Census Metropolitan Areas and Census Agglomerations, 2011 National Household Survey

Multivariate tables by region. Detailed subject matter. Use these tabulations to tabulate two or more characteristics yourself. Links: [Census of Population Program Datasets](#)

## Opening tabulations with Beyond 20/20

Cross-tabulations are often large files with many dimensions. The .JVT files available from Statistics Canada cannot be opened in Excel -- you must isolate the variables you need using Beyond 20/20 before exporting to a "flat" Excel file.

Beyond 20/20 is a free Windows program that can be downloaded on the [Statistics Canada website](#).



## Census geography overview

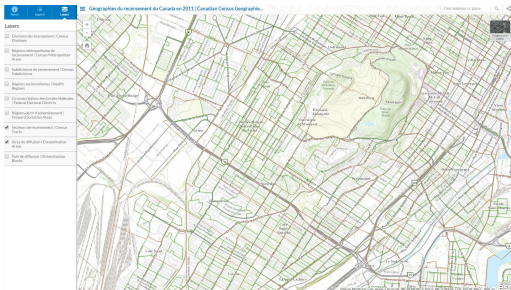
Name	Code	Population Minimum	Covers all of Canada?	How many in Canada (2011)
Census agglomeration	CA	10,000	No	114
Census division	CD	n/a	Yes	293
Census metropolitan area	CMA	100,000 with 50,000 in core	No	33
Census subdivision	CSD	n/a	Yes	5,253
Census tract	CT	2,500 (usually)	No	5,452
Census consolidated subdivision	CCS	n/a	No	2,338
Designated place	DPL	1,000		1,507
Dissemination area	DA	400	Yes	56,204
Dissemination block	DB	n/a	Yes	493,345
Economic region	ER	n/a	Yes	76
Federal electoral district	FED	n/a	Yes	308
Province or territory	PR	n/a	Yes	13

Statistics Canada divides the country into several different levels of geography (ranging from entire provinces and territories all the way down to city blocks).

For confidentiality reasons, not all data is available at all levels of geography.

Table created by Carleton University

## Census geography maps



Link: [Web map showing how census geographies fit together.](#)

## References

- [Historical Census Statistics: Print and Electronic](#) (Susan Mowers and Alex Guindon)
- [Census of Canada: Choosing Census Geography](#) (Rebecca Bartlett)

## Image credits

- Yousef Karsh, fonds Yousef Karsh / Bibliothèque et Archives Canada, accession 1987-054
- Peter Zimonjic, CBC <http://www.cbc.ca/news/politics/mandatory-census-mail-out-1.3557511>