

- Statistics Canada conducts the Census of Population to provide a snapshot of Canada one specific day
- Every five years
 - 2 questionnaires
 - Short form (100% of the population)
 - Longform (20% of the population)
 - Mandatory (except 2011)
 - Random sample

- The primary source of socioeconomic data
 - Population and dwelling counts
 - Families, households and marital status
 - Income
 - Indigenous peoples
 - Housing
 - Mobility and migration
 - Education
 - Labour
 -

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Census Data

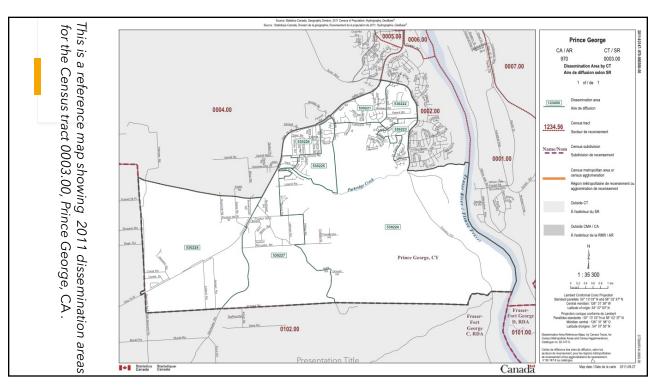
- Used by researchers across the country
 - Housing and real-estate
 - Social economic conditions
 - Immigrants
 - Minorities
 - Rural communities
 - Language
 - Public health
 - Economic outcomes of post secondary education
 - Commerce

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- Geographic Units
 - Dissemination Block
 - An area bounded on all sides by roads and/or boundaries of standard geographic areas. The
 dissemination block is the smallest geographic area for which population and dwelling
 counts are disseminated.
 - Dissemination Areas
 - composed of one or more adjacent dissemination blocks with an average population of 400 to 700 persons. It is the smallest standard geographic area for which all census data are disseminated
 - Enumeration Areas: term used for the same geographic unit prior to 2001
 - Census Tracts
 - Larger areas that have a population between 2,500 and 8,000 persons.
 - They are located in centres of 50,000 or more in the previous census.

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Working with Census Data

- An important point is to determine the area units meaningful to your research
- Estimates for small areas
 - Higher risk of suppression due to confidentiality concerns
 - More sensitive to
 - rounding
 - non-responses
 - Leads to greater margin of error in small area estimates

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PIOS & COIIS O	f Census Small Areas			
Unit	PROs	CONs		
Block Face	very high resolutionentire country covered	households and population counts only		
Enumeration Areas	fairly high resolutionall Census questionsentire country covered	 inconsistent boundaries higher risk of data suppression, influence of rounding 		
Dissemination Areas	consistent boundariesfairly high resolutionall Census questionsentire country covered	risk of data suppressioninfluence of rounding		
Census Tracts	 consistent boundaries all Census questions lower risk of data suppression	 lowest resolution potential for boundaries to become "outdated" only available for larger centres 		

2011 Census Long Form Elimination

- "Long Form" Census form had been around a long time (the 8 question short form was introduced in 1971)
- Sections:
 - Demography; Labour markets & income; Transportation;
 Education; Language; Activity Limitations; Housing; Citizenship and immigration; Ethnicity/culture

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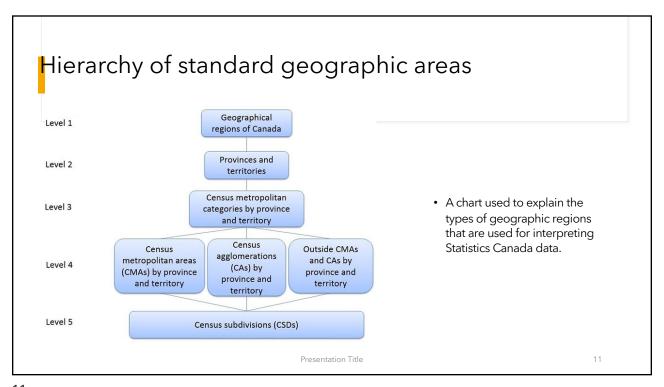
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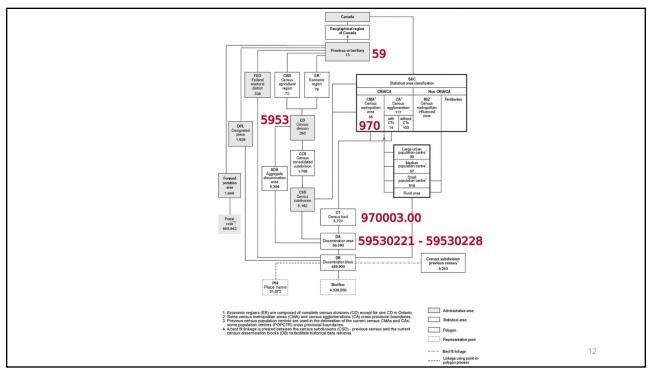
2011 Census Long Form Elimination

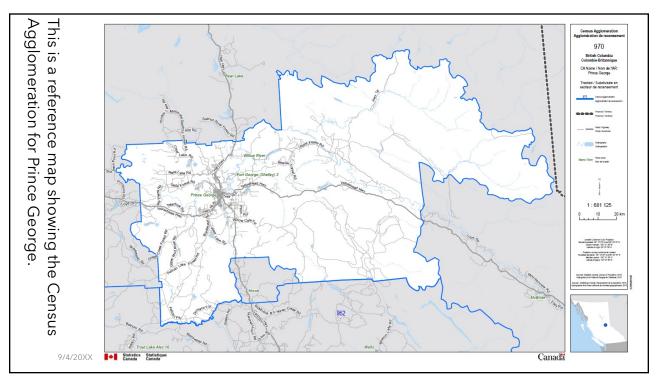
- Mandatory fill it out or else fine or jail time!
- Up to 2006, sent to one in five households (20%) "random" sample
 - 2016 now sent to one in four (25%) households
- 2010 Federal government decided to cancel it
 - Replaced with a **voluntary** household survey (National Household Survey)
- Present government reinstated it in time for 2016 Census

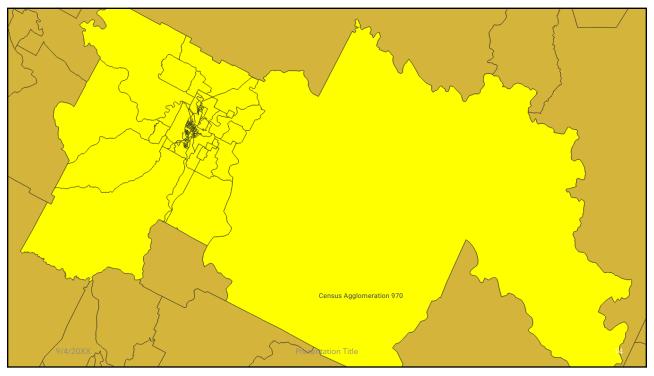
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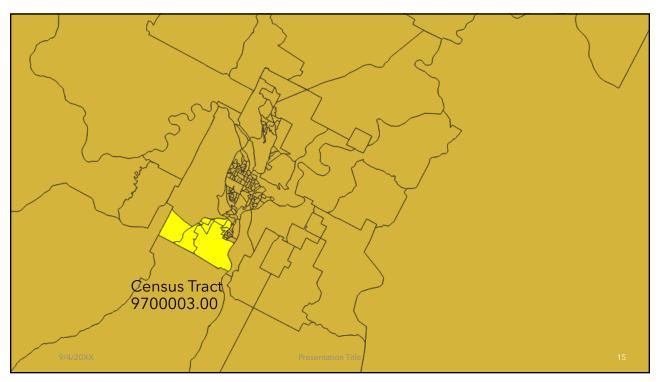
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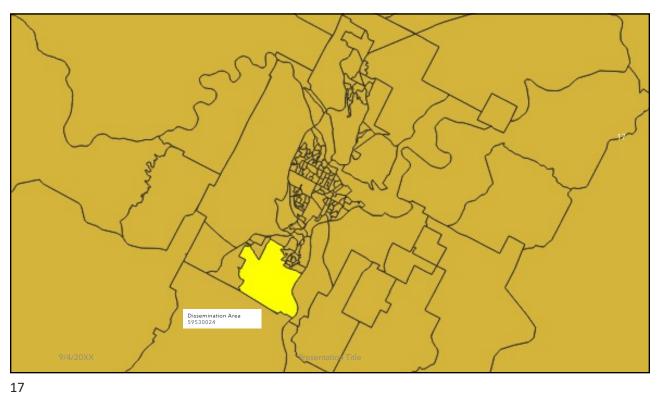








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Data Products and Boundary Files

- Data Products
 - https://www12.statcan.gc.ca/census-recensement/2021/dppd/index-eng.cfm
- You can download census boundary files from the Statistics Canada website
 - https://www.statcan.gc.ca/en/geography?MM=1

Presentation Title

- Working with census data usually implies joining tabular data with spatial data representing the statistical boundaries.
 - The tabular represents variables of interest
 - population, education, housing
 - Spatial data represents boundaries of the census geography
 - dissemination areas, census metropolitan areas

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Census Data

• After joining the census boundary data to the tabular data, the tabular data become the attributes of the spatial file.

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