Calgary Data Consortium, Workshop:

Calgary's / Alberta's Indigenous population: data sources and resources

September 20, 2016

EXERCISE #1: What proportion of Aboriginal households in Calgary are in Core Housing Need compared to Edmonton?

STEP 1. Download the data and open the file

- a) Type communitydata.ca into your browser, and log in.
- b) Click the **Find Data** tab at the top.
- c) Scroll through the list in the **Data Group** filter, and select the **Core Housing Need**. Click search.
- d) Click on the result that is returned (there should only be one).



e) On the next screen, select PT CD CSD DA under Geographies. Click Add to cart.



- f) On the Shopping Cart page, click <u>Checkout</u>.
- g) On the Checkout page, click Submit order.
- h) On the File downloads page, click on the filename of the Core Housing Need file (it should be at the top of your list of files, unless you have downloaded the same file previously. The filename is <u>sc_nhs-enm_2011_chn-biml_da-ad.zip</u>

i) Save the folder to the desired location on your computer. Navigate to where you saved the file, right click, and select "Extract All..."



j) Inside the extracted folder, there are four Beyond20/20 files. Double-click to open the file which says <u>Rest of Canada</u> at the end of its name – this contains the Alberta geographies.

STEP 2. Explore the file

a) Click on the File menu and then Summary to browse through the metadata associated with this file.

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Find Summary	Aboriginal sta	Total - Aboriginal status of hou	Aboriginal household	Non-Aboriginal household		
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	ofore taxes (\$)	82,945.0	74,083.0	83,317.0		
Bros Estus	0	1,042.2	1,011.3	1,043.5		
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b) Using the drop-down list, note how many different dimensions are in this file (there are eight).

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Core need stat		Total - Aboriginal	Aboriginal	Non-Aboriginal	
Household stats Household type	8	status of hou	household	household	
Private household Tenure (3)		12,462,435.0	503,160.0	11,959,275.0	
Median household Aboriginal sta		64,423.9	60,300.7	64,595.8	
Average household stats	-10	82,945.0	74,083.0	83,317.0	
Average Shelter cost (\$)	0	1,042.2	1,011.3	1,043.5	
Average STIR before taxes (%)	0	21.9	23.1	21.8	

- c) Using the blue "i" logo, read the "Core need stat" dimension summary.
- d) Right click on the "Aboriginal sta" dimension and select "Dimension summary" to read about this dimension

STEP 3: Narrow down your geography(ies) of interest

- a) Select from the drop-down menu or click the heading to make the Geography dimension active.
- b) Click the **Display active dimension** button.

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eography: Canada (26.1%) CMHC housing st (): Total - Need criteria
Aboriginal sta 🕈 Total - Aboriginal Aboriginal Non-Aboriginal
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c) Click the <u>Search</u> button at the top. From the list of fields, select <u>English Desc</u>, and ensure <u>Reduce</u> is selected under Type of Selection. In the Text to Find box, type <u>Calgary</u>, and click OK.

eld: Code English Desc DO OD Level/Niveau UID/IDU	Type of Selection	Cancel Help
ext to Find: Calgary		1

d) Click the Search button again; from the list of fields select English Desc, but this time ensure Expand is selected under Type of Selection. In the Text to Find box, type <u>Edmonton</u>, and click OK. Close the active dimension window using the small "x". You have now reduced the geography dimension to just Calgary and Edmonton.

STEP 4: Manipulate the dimensions

- a) Leave the "Household stats", "Household type", "Tenure (3)", and "CMHC housing st" dimensions docked at the very top (we won't be using these).
- b) Put the "Aboriginal sta" dimension so it runs along the top
- c) Put the "Core need stat" dimension on the left side.
- d) Drag the Geography dimension to the left of where the Core need stat dimension is situated until a blue line appears, then let go.

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CMHC housing st @: Total -	Need crite	ria Geography	Calgary CY (23	0%) Age grou	ns of 🙃 Total			Aboriginal sta 🕚	Total - Aboriginal	Aboriginal	Non-Aboriginal	
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Abori	ginal sta ⁶	Total - Aboriginal	Aboriginal	Non-Aboriginal				Total - Core need status	402,020.0	14,375.0	387,650.0	j l
Core need stat		status of hou	household	household		Calgary CY (23.0%)		Household in core housing need	42,170.0	2,445.0	39,720.0	1
Total Care peed statue								Household not in core housing need	359,855.0	11,925.0	347,925.0	1
Total - Core need status		402,020.0	14,375.0	387,650.0				Total - Core need status	306,665.0	19,365.0	287,300.0)
Household in core housing	ig need	42,170.0	2,445.0	39,720.0		Edmonton CY (25.8%)		Household in core housing need	40,105.0	5,025.0	35,075.0	1
Household not in core ho	using need	d 359.855.0	11 925 0	347 925 0		 		Household not in core housing need	266,565.0	14,340.0	252,225.0	
		333,033.0										

e) Click on the <u>Aboriginal household</u> header, then right-click and select <u>Copy</u>. Even though only the Aboriginal household column is highlighted in black, all the row labels will also copy over.

STEP 5. Copy into Excel and calculate percentages

f) Open a new Excel sheet, and paste the cells. Calculate the proportion of Aboriginal households in core housing need in Calgary and in Edmonton.

EXERCISE #2: How many persons with Aboriginal identity in Calgary know an Aboriginal language?

STEP 1. Download the data and open the file

- a) Type communitydata.ca into your browser, and log in.
- b) Click the Find Data tab at the top.
- c) Scroll through the list in the <u>Data Group</u> filter, and select <u>NHS, 2011 Target Group Profile</u>. Click search.
- d) Scroll through the results until you see the Target group profile of the Aboriginal identity population. (hint: you may have to go to the third page of results).
- e) On the next screen, select PT CD CSD DA under Geographies. Click Add to cart.
- f) On the Shopping Cart page, click Checkout.
- g) On the Checkout page, click Submit order.
- h) Click on the filename on your "File downloads" page and save it to the appropriate place on your computer or network.
- i) Navigate to where you saved the file, and unzip it.
- j) Double click on the Beyond20/20 icon to open the file (there should only be one).

STEP 2. Explore the file

- a) Click on the <u>File</u> menu and then <u>Summary</u> to browse through the metadata associated with this file, then close that window.
- b) Using the drop-down list, note how many different dimensions are in this file (there are two).

STEP 3. Narrow down to your geographies of interest

- a) Make the Geography dimension active by clicking on the header or selecting it in the drop-down menu.
- b) Click the **Display active dimension** button.
- c) Click the <u>Search</u> button at the top. From the list of fields, select <u>English Desc</u>, and ensure <u>Reduce</u> is selected under Type of Selection. In the Text to Find box, type <u>Calgary</u>, and click OK.



STEP 4. Manipulate the dimensions

a) Put the Geography dimension along the top, and the 2011 NHS dimension along the left side.

File Edit View Dimension Item Data Window	Help			
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Geogra	phy 🕏	Calgary CY (23.		
D11 NHS	0	0%)		
Total population in private households by citizenship	0	28,905		
Canadian citizens		28,800		
Canadian citizens aged under 18		8,730		
Canadian citizens aged 18 and over	20,070			
Not Canadian citizens	105		_	
Males in private households by citizenship	13,965			
Canadian citizens	13,915		_	
Canadian citizens aged under 18	4,335			
Canadian citizens aged 18 and over		9,575		
Not Canadian citizens	0	50		_
Females in private households by citizenship	Θ	14,945		_
Canadian citizens		14,885		
Canadian citizens aged under 18		4,400		
Canadian citizens aged 18 and over		10,490		

- b) With the 2011 NHS dimension active, click the Search button.
- c) Under the Field list, select <u>English Desc</u>. Under Type of Selection, select <u>Find Next</u>. In the Text to Find box, type language.
- d) Click the blue "i" next to Total population in private households by non-official languages spoken.
- e) There are 1,070 Aboriginal identity persons in Calgary who can conduct a conversation in an Aboriginal languages. As a share of the total Aboriginal identity population (28,905), this is 3.7 per cent.

STEP 5. Check CANSIM for complementary data

- a) Type **<u>CANSIM</u>** into your search engine and click on the first result.
- b) Under the Browse CANSIM by header, click Aboriginal peoples.

Statistics Canada				Canada			
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Information for Browse by subject	Browse by key resource About	StatCan					
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				Combine series Advanced Search			
	Browse CANSIM by						
	Subject Survey						
	Aboriginal peoples		Income, pensions, spendi	ng and wealth			
	Agriculture		Information and commun	lations technology			
	Business, consumer and property servi-	200	International trade				
	Business performance and ownership		Labour				

- c) Under the "CANSIM by Subject: Aboriginal peoples" heading, click on <u>Languages and cultures (14</u> <u>tables)</u>
- d) Browse through the titles of the available tables. Click on the **Description** link beside Table 576-0009.
- e) On the CANSIM Table summary page, read about the dimensions available in this table. Note that there is a dimension "Self-rated ability to speak and understand an Aboriginal language".
- f) Click the Table 576-0009 number.



g) Click the Add/Remove data tab at the top of the screen. Now select the desired items Under Option 2, "Customize a table view". Under Step 1-Select:Geography, uncheck Canada, and scroll down to select Alberta. Under Step 2-Select: Aboriginal identity, keep the default checked of Total, Aboriginal identity. Also keep the defaults for Step 3 – Age group and Step 4: Sex.

(1 of 1;	items selected)
	Pointe Nouhola Kabhola Sakuthean Sakuthean Pointe Pointe Pointe Pointe Pointe Pointe Pointe Pointe Pointe Point
Step :	- Select: Aboriginal identity ²
(1 of 6	tems selected)
se the	following checkboxes to select/deselect items from the list below:
) ME	
	First Nations (North American Indian)
	First Nations (North American Indian), Registered or Treaty Indian ¹
	First Nations (North American Indian), not a Registered or Treaty Indian ¹
	Matta
Step :	- Select: Age group ⁶
(1 of 1)	(tems selected)
lse the	following checkboxes to select/deselect items from the list below:
lan i	
	8 Total. 6 years and over
	6 to 14 years
	15 years and over
	15 to 54 years
	L 15 to 34 years
Step	- Select: Sex
(1 of 3	tems selected)
ise the	following checkboxes to select/deselect items from the list below:
I AN I	
	Both serves
	□ Male
	E Female

 h) Under Step 5, click the checkbox beside "All" to unselect everything. Click the checkboxes beside "Speaks an Aboriginal language, even if only a few words", and scroll down and select "Understands an Aboriginal language, even if only a few words." Under Step 6, select "Number of persons" and "Percent". Click Apply under Step 9.