DATA PURCHASE AND ACCESS WORKING GROUP
January 22, 2020
2:30pm - 4:00pm Eastern time

Connection details:
Adobe Connect: https://cdp.adobeconnect.com/theboardroom/
Teleconference: 1-866-398-2885 ; access code: 908904

Attendance

- Michael Ditor, CDP team
- Michel Frojmovic, CDP team
- Albert Boakye, Winnipeg
- Andrea Dort, Peel
- Auburn Larose, Parry Sound-Nipissing
- Blair Hodgson, Wellington-Dufferin-Guelph
- Cheryl Hitchen, Kingston, Frontenac, Lennox and Addington
- Marisa Cooper, City of Calgary, LIPs
- Sharon Stroick, City of Calgary, LIPs
- Jasmine Ing, City of Calgary
- Natalie Hui, York Region
- Prerna Bhasin, Toronto
- Kholah Nisar, Simcoe

Agenda

- Data acquisition updates
- Collective dwelling standard table
- IMDB data order
- Visualized data access
- CMHC Solutions Lab application
- Conversation with Statistics Canada
- Calculated Financial Assets
- Labour Force Survey Update - OUTSTANDING
- Childcare cost table – OUTSTANDING
- STC phasing out use of the IVT format
- Other business
- Next meeting

Action Items

- Look into acquiring CSD-level data from the CDN Housing Survey
- Advocate for preservation of the IVT format at the upcoming meeting with STC
- CDP team will investigate the Canadian Index of Multiple Deprivation and inquire about getting more detailed data at higher levels of geography

Data acquisition updates

Standard geographies

- Postal Code Conversion File, released Dec 2019
- Census Profile, 2016 @POW geographies down to DA level – for CMAs only
- Citizenship (5), Place of Birth (272), Selected Immigrant Status, Period of Immigration and Category of Admission Characteristics (14) and Age Groups (12) for the Population in Private Households of Canada, 2016 Census - 25% data
- Home energy spending as % after-tax household income, Household home energy expenditures, Selected statistics, Low Income Status, Housing Tenure, Selected commuting demographic variables and Selected housing characteristics for Owner and Renter households (CD and CSD only for now)
- Type of Collective Dwelling (16), Sex (3), Age Groups (10), Knowledge of Official Languages (5), Income Groups (20), for the Population in Collective Dwellings of Canada, 2016 Census - 100% Data

Custom geographies – for Master Geo groups 1-3

- Selected household and housing characteristics (28), Admission category and applicant type (13), Period of immigration (16) and Sex (3) for the Population in Private Households, 2016 Census
- Target group profile of the low-income population (MBM), Census, 2016
- Selected Language, Labour Force, Education, Income and Mobility Status Characteristics (73), Admission Category and Applicant Type (13), Period of Immigration (15) and Sex (3), 2016 Census
- Aboriginal household status (3), Age of the primary household maintainer (6), Core housing need status (3), Household type (7), Need criteria (12), Selected household statistics (5), and Tenure (3), 2016 Census

Custom geography Master Groups:

Master Group 1: all Group 1
Master Group 2: York
Master Group 3: Peel
Master Group 4: all others from Group 2
Master Group 5: Groups 3, 4, 5

Group 1	Group 2	Group 3	Group 4	Group 5
Durham	Calgary	Durham2 (school boards)	Winnipeg	Halton2
Erie-St.Clair	Halton	Ottawa	Nova Scotia	Toronto
Hamilton	London2	New Brunswick	Immigration Geographies	Vancouver
Kingston	Peel	Sudbury	North Bay Parry Sound Public Health Unit	
London	Red Deer			
Northern Ontario	Regina			
Parry Sound-Nipissing	Simcoe			
Toronto	Toronto2			
WDG	Waterloo			
LHIN sub-regions	Windsor Essex			
	York - see note in Excel file			

Upcoming…

These custom tables are being worked on by the Eastern (Montreal) office. They are expected to arrive early in February.

For Master Geo Groups 1-3, we should receive these four tables over the next couple weeks:

- CPP Table 1: Age groups (23), sex (3), income status (8) and selected cultural and demographic characteristics (48) for the population in private households
- TGP-like table, cross-tabulated with immigration dimension (Total, Non-immigrants, Non-permanent residents)
- 99-014-x2011040+immigration: Income in 2015 (36), age groups (11), sex (3), Immigrant status and period of immigration (6) and highest certificate, diploma or degree (11) for the population aged 15 years and over in private households
- Target group profile of the low-income population (LICO-BT)

HH/Family-Target Group Profiles

Still no estimated turnaround time on the HH/Family-Target Group Profiles. Another data consultant is being trained on how to produce and verify these tables. We will receive an update on this within the next week or two.

Custom Tables on custom geographies

STC is finishing up the creation of Master Groups #4 and #5 (it looks like Calgary may need to be its own group). STC has been speaking with Toronto regarding their old/new wards and neighbourhoods and what prefixes we should be using. This should be finished shortly and the plan is to begin table production on these two groups as soon as the geographies have been loaded into the system. STC is still finishing Cape Breton.

Standard income tables at standard geos

UPDATE: These tables just arrived and have been cataloged. Note that they provide income-related data for economic families and persons not in economic families for 2006 and 2016:

- [Income Sources and Taxes (16), Economic Family Income Statistics (4) in Constant (2015) Dollars and Economic Family Characteristics (24) for Economic Families in Private Households of Canada, 2006 Census - 20% Sample Data and 2016 Census - 100% Data](#)
- [Income Sources and Taxes (16), Income Statistics (4) in Constant (2015) Dollars and Age (4C) for Persons not in Economic Families Aged 15 Years and Over in Private Households of Canada, 2006 Census - 20% Sample Data and 2016 Census - 100% Data](#)

Collective dwelling standard table

We received this custom table on collective dwellings.
- [Type of Collective Dwelling (16), Sex (3), Age Groups (10), Knowledge of Official Languages (5), Income Groups (20), for the Population in Collective Dwellings of Canada, 2016 Census - 100% Data](#)

[Is this standard table](#) worth acquiring at CD-CSD geographies? It provides the number of collective dwellings by type, which is missing from the table we just received.

Jasmine, Cheryl: YES!

We'll add this to the semi-custom table order that will take place later in the program year, or early in the next program year, depending on how the budget looks.

IMDB data order

We spoke with the IMDB group on Friday January 17 about our order after receiving a test table from them with data at the CSD level.

The data from the test table were promising. There was a lot of suppressed data points but there was a large amount of CSDs with data that could be cross-tabulated and other municipalities for which simple tabulations were possible.

The IMDB group is not going to account for changing CSD boundaries over time and will simply list geographies that change over time as different geographies, with the year of the change noted. For example, a CSD that changed its boundaries in 2001 would have one record pre-2001 and another that begins in 2001.

The IMDB group proposed three tables, [the specifications for which can be downloaded here](#). When reviewing this table, the red numbers indicate a dimension that would be included in the table (the black 1's can be ignored).

The number of CSDs listed represent the number of municipalities with useful data. The table will not have all 5000+ CSDs in Canada. We have communicated to the IMDB group that we are also want Census Divisions to be included. We have also indicated that some form of the mobility table (#1) is desired for the CD-CSD geographies and that Tables 2 and 3 should be produced for the LIPs custom geographies.

One issue that came up w.r.t. the table design is the aggregation of several variable groups in the Profile dimension of each table. Users may wish to have some of these variable groups be in separate dimensions to allow for these variables to be cross-tabulated. The ability to cross World Area and Age Groups was indicated (Blair, WDG).

Further discussion of table design will take place between the CDP team and the City of Calgary LIPs pilot project coordinators.

After settling on the design of the tables and receiving a cost estimate, it is possible that further requests may be made to the IMDB group to satisfy unmet priorities of the LIPs group.

Visualized data access

Tableau? Power BI? custom dashboard?
The CDP team is considering a new platform for presenting data visualizations. Your feedback is requested.

Looking to provide pre-packaged indicators through such a tool and to be able to respond to individual user data requests.

The target users are not power users. This is an initiative targeted to modest-capacity users.

Power BI is used by a lot of municipalities, as it is part of the MS Suite.

Auburn: privacy concerns? Respect of consortium model?
Access to the tool would be restricted to users.

Jasmine: The output should be compatible with the MS Office Suite. Can Tableau outputs easily be integrated into MS Office outputs

Auburn Larose: It sounds like quite a bit more research needs to be done before a decision can be made: (1) cost of different tiers (e.g., power bi that comes with office 365, vs pro, vs server) (2) transferability of file to desktop version, (3) security/privacy of file, (4) compatibility with MS office

The CDP team will continue to investigate Power BI and Tableau as data visualization options and will report back to this group with more information.

CMHC Solutions Lab application

The CDP team is looking to submit a proposal for **CMHC's Solutions Lab** program. The program provides expertise and funding to develop solutions to Canada's housing challenges. This program involves building a team to design a roadmap for your solution.

The program requires applicants to seek out and collaborate with innovation experts in the design and implementation of solutions labs on their team.

The CDP team will keep this group and the Leads informed of progress on this initiative.

RELATED:

Calgary: Request from Affordable housing group for CSD level data from the CDN Housing Survey
Possible to use Canadian Housing Survey as source for local-level data?

Satisfaction/opinion data at local level would be of interest (Andrea, Cheryl, Jasmine)
CMA could be of use – CSD preferable

Webinar idea: Request that STC present the CDN Housing Survey

ACTION: look into acquiring CSD-level data from the CDN Housing Survey

Conversation with Statistics Canada

In February or March, we will have a conversation with some senior STC staff to discuss improving custom table production (standard and custom geographies) for the program. DPAWG members are invited to comment and suggest agenda items.

Jasmine: skill level of different consortia
We provide services to modest-capacity users
Treat us special! We are doing a good deal of leg-work that they might otherwise be doing themselves. Have STC recognize this
Jasmine willing to participate in this phone call.

Calculated Financial Assets

The text below was sent to some leads and WG members who have downloaded this data product, discussing the technical issues and the value of this product. The questions to answer are whether we want to get this product again and if we do, what dividend rate should be used in its calculation.

Considered poor quality by some analysts

STC has no plans to make this a standard product again. It was only used by a handful of clients and not promoted by STC. The methodology was originally developed for a custom request but over the years other analysts have deemed the estimates to be of poor quality. It makes assumptions that all assets in

these categories yielded similar returns. The multiplication factors STC used likely lead to unreliable estimates for some these assets (ex. bank assets for individuals with low bank balances are not really captured by this method). The other issue with this tables is that it just captures certain types of assets and may therefore lead to inaccurate conclusions of the assets situation of Canadians (ex. family could have low assets according to the CFA table yet they have fully paid their $600,000 house).

We need to determine a gross up rate for dividend income

CFA are the sum of $XX and $YY below:

$XX = (T1 Line 120)/Average dividend rate
$YY = (T1 Line 121)/Average rate of interest

STC can provide an average rate of interest but we need to provide an average dividend rate, as the Bank of Canada no longer produces this. I haven't found anything yet that compares to previous rates used by STC = Toronto Stock Exchange, stock dividend yields (composite), previously Cansim Table 176-0047. I will ask members of the DPAWG to assist, but be aware that the rate used for the 2017 data may not be comparable to previous rates. If you know where to find this information, please let me know.

Here are the average dividend rates previously used by STC (from the Bank of Canada):

	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
Average dividend rate	**3.06***	3.04	2.86	3.13	2.99	2.57	2.69	3.21	3.09	2.43	2.34	1.70
	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	
	1.71	1.85	1.77	1.56	1.15	1.53	1.61	1.67	2.05	2.35	2.29	

*Calculated using the first 8 months of 2016. Data for the last 4 months of 2016 were not available.

The average dividend rate is calculated as the average of monthly average dividend rates for the Toronto TSX index for the taxation year.

Please let me know if you are interested in acquiring this product in the future and if you have access to information on calculating an average dividend rate for 2017. I have done some searching without much luck and don't want to spend too much more time on this product just yet.

RESULT: If no member indicates that they are interested in acquiring this product, then we will not purchase it again.

Labour Force Survey Update - **OUTSTANDING**

The question below has been put to STC. Notes from last WG meeting:

Labour Division will be looking at doing Small Area Estimation for LFS indicators to produce LF estimates at the CSD level. The CDP will plan to get these annually if available.

ACTION: check with STC how often these data will be available and what will be the data lag

The STC Centre for Labour Market Information has confirmed that they are in fact planning on applying the small area estimate method to regions other that CMAs and CAs, but this will unfortunately not be at the CSD level. March 2020 is currently the scheduled month for the release of such estimates. The frequency and data lag of the releases has not yet been determined.

UPDATE – FURTHER RESPONSE FROM STC:
We hope that labour market information will be available for between **300 and 400 local labour markets in the country**. There is no list of areas yet as the models are not finalized. They should represent large and small areas. The areas are defined by the commuting flows between home and work, and thus represent local labour market areas.

Childcare cost table – **OUTSTANDING**

No response from Income Division on producing these custom tables. Notes from last WG meeting included below:

Childcare cost table

Simcoe County initiated a discussion regarding the possibility of acquiring tables on childcare cost from the T1FF. This text summarizes the initial request and some of the feedback from the DPAWG.

CDP will contact Income Division to discuss the specification for these tables. Previously, the CDP acquired 5 standard T1FF tables with customizations introduced at a price of $15K, but was informed by STC that the next time, the tables would cost more like $30K. It's expected that childcare cost tables with all of the specifications discussed here could easily cost as much. The CDP team will discuss what it could budget for a product like this, but it will almost certainly be less than $30K. Likely, we would order these tables once every two or three years (with multiple years of data) to save on the cost.

STC phasing out use of the IVT format

Our STC contact indicated that we would still be able to get custom tabulations for the 2021 Census in IVT format but that standard tables would not be offered in this format.

Note that there was no IVT table option in the last CCHS release that we received.

Question posed to STC: Is it possible to make custom requests for tables in IVT format?

Jasmine: essential for the program/members to be able to access multi-dimensional tables
Using huge CSV files isn't really a viable option
Lots more work required
DA level data crossed with other variables would make for huge unwieldy tables.

ACTION: Advocacy on this point is a high priority and the issue could be raised at the upcoming meeting with STC

Other business

Jasmine: Interested in acquiring the CDN Index of Multiple Deprivation
Currently possible to acquire quintiles for dissemination areas – i.e., where a DA sits in the four domains of the index
National-level data are difficult to work with
Would like to have more detailed information
At CSD or CT level would be useful – currently available at the DA level
Would like to get more detail at a higher level of geography

ACTION: CDP team will investigate this product and inquire about getting more detailed data at higher levels of geography

Next meeting

Propose the week of March 16, 2019. Will send Doodle poll to confirm availability.