

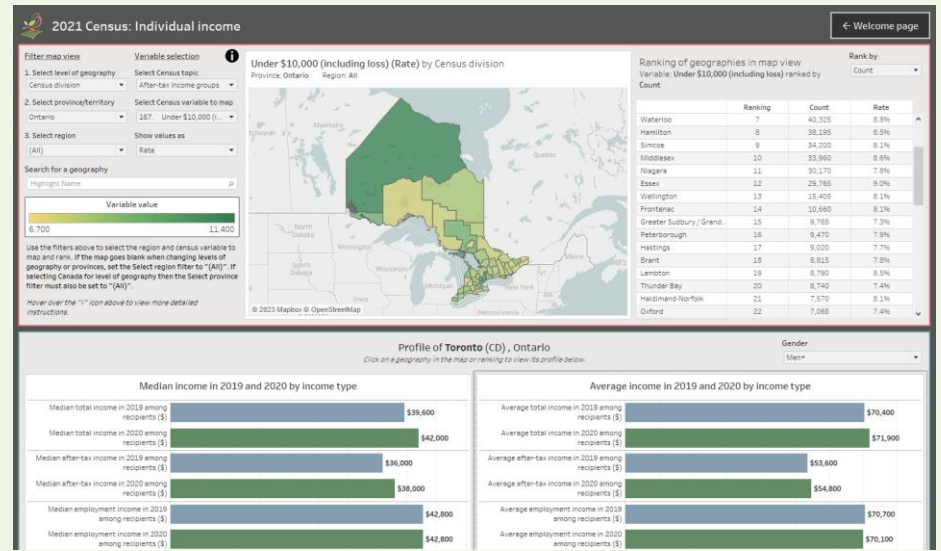
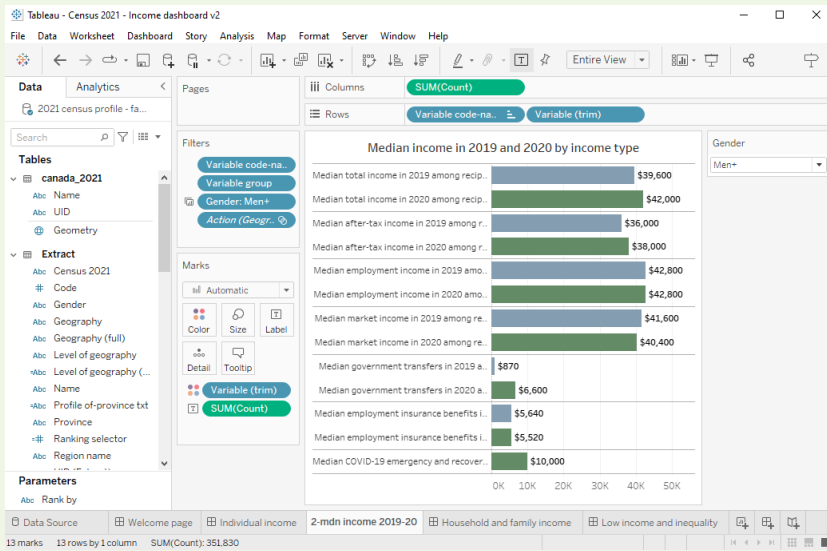
Community Data Program

Tableau as Member Service

by Jamie Carrick

What is Tableau?

- Data visualization and analysis platform
- Software for building and sharing interactive infographics and data tools (dashboards)



Versions of Tableau

- Tableau Desktop
 - Premium Tableau software used to create dashboards
 - Requires annual or monthly subscription fee (“Creator” subscription)
 - Available at a discount for non-profit organizations through [TechSoup](#)
 - Includes Tableau Prep
- Tableau Public
 - Free software for creating dashboards, saving and embedding online
 - Offers most of the functionality of Desktop with a few key limitations:
 - Limit on number of rows in data sources
 - Dashboards must be saved to the cloud where they become publicly available. Anyone with the link can view and share it.
- Tableau Reader
 - Free software used to open and interact with Tableau Dashboards
 - Opens Tableau Packaged Workbooks (.twbx files)
 - Can’t be used to create or edit dashboards
 - How we intend for CDP members to use our dashboards



Other versions of Tableau

For sharing dashboards:

- Tableau Cloud
 - Mainly for organizations sharing dashboards internally
 - Monthly or annual fee
 - Only registered users with “Viewer” subscription can view dashboards on Tableau Cloud
- Tableau Embedded Analytics
 - Significant cost, dependent on factors such as number of users
 - Secure, customizable embedding with support from Tableau



Tableau for CDP members

- Creating Tableau Dashboards for CDP members, with goal of reaching “Modest Capacity Users”
- Growing library of dashboards available in the CDP catalogue
- Dashboards present data from the Census and other sources, covering all of Canada at varying levels of geography
- Tableau training and support for CDP members



CDP Tableau Dashboards

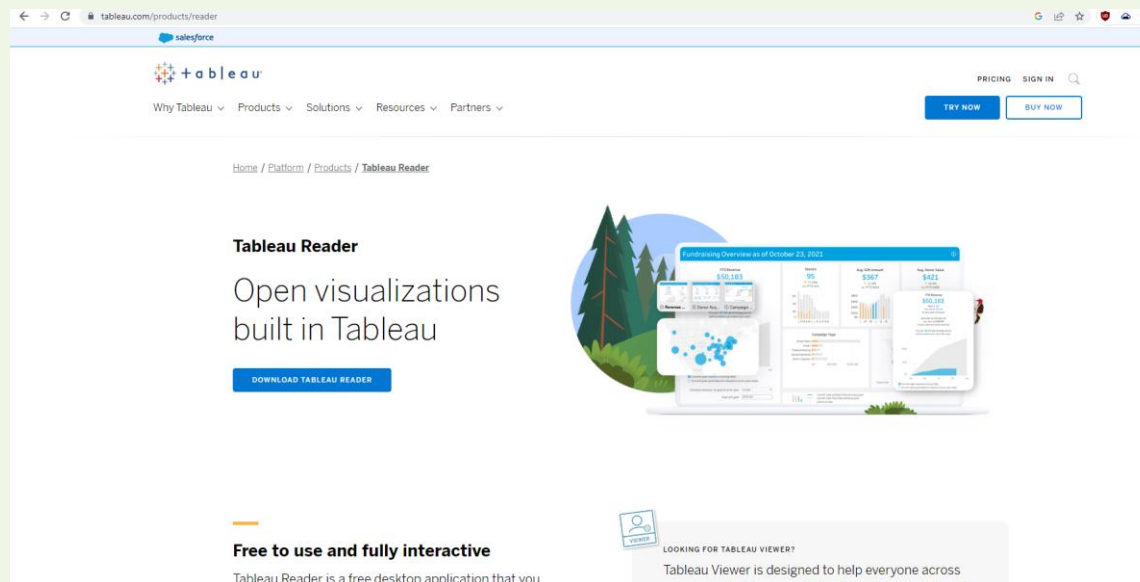
- Housing Dashboard
- Community Recovery Dashboard
- IMDB ICARE Dashboard
- Village of 100, 2021 Dashboard
- 2021 Census Profile Dashboards
- And more..



How to use CDP Tableau Dashboards

Installing Tableau Reader

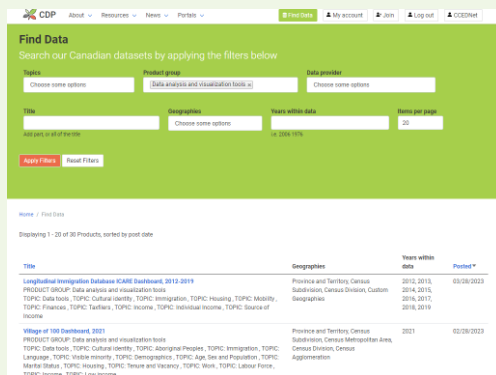
- Tableau Reader is all you need to access and use our Tableau data products
- Free software
- Tableau Reader can be downloaded here:
<https://www.tableau.com/products/reader>



How to use CDP Tableau Dashboards

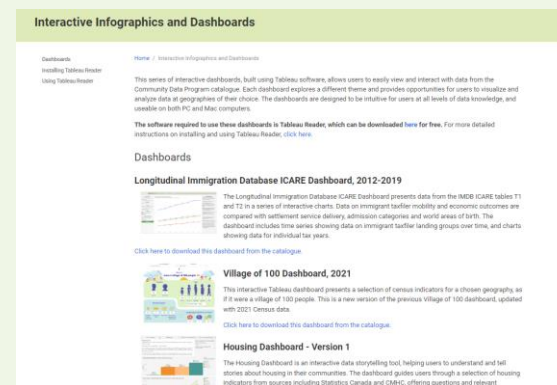
Finding Tableau dashboards in the CDP catalogue

- There are currently ~30 dashboards available to CDP users
- To find dashboards:
 - [Interactive Infographics and Dashboards Portal](#) (currently under construction)
 - [Catalogue – Data analysis and visualization tools product group](#)
- Dashboards are all in Packaged Workbook (.twbx) format, openable in Tableau Reader



The screenshot shows the 'Find Data' search interface on the CDP website. It features a search bar with filters for 'Topic' (Data Analysis and Visualization Tools), 'Product Group', 'Title', 'Geographies', 'Years within data', and 'Items per page'. Below the search bar, there is a table of search results.

Title	Geographies	Years within data	Items per page
Longitudinal Immigration Database ICARE Dashboard, 2012-2019	Province and Territory, Census Subdivision, Census Division, Custom Geographies	2012, 2015, 2014, 2015, 2016, 2017, 2018, 2019	20
Village of 100 Dashboard, 2021	Province and Territory, Census Subdivision, Census Metropolitan Area, Census Division, Census Agglomeration	2021	02/28/2023



The screenshot shows the 'Interactive Infographics and Dashboards' portal. It features a header with the title and a sub-header 'Dashboards'. Below the header, there is a list of dashboards with descriptions and links to download them.

Longitudinal Immigration Database ICARE Dashboard, 2012-2019

The Longitudinal Immigration Database (LID) ICARE Dashboard presents data from the IMDB ICARE tables T1 and T2 in a series of interactive charts. Data on immigrant taxfile mobility and economic outcomes are compared with settlement service delivery, admission categories and world areas of birth. This dashboard includes time series showing data on immigrant taxfile landing groups over time, and charts showing data for individual tax years.

Village of 100 Dashboard, 2021

This interactive Tableau dashboard presents a selection of census indicators for a chosen geography, as if it were a village of 100 people. This is a new version of the previous Village of 100 dashboard, updated with 2021 Census data.

Housing Dashboard - Version 1

The Housing Dashboard is an interactive data storytelling tool, helping users to understand and tell stories about housing in their communities. The dashboard guides users through a selection of housing indicators from sources including Statistics Canada and CMHC, offering questions and relevant



How to use CDP Tableau Dashboards

Steps for opening Tableau Packaged Workbooks

1. Install Tableau Reader
2. Find and download a dashboard from the CDP catalogue
 - Same steps as downloading any other data product
3. Unzip the .zip file that is downloaded containing the packaged workbook file
4. Double-click to open the packaged workbook file in Reader OR open Tableau Reader, click File > Open and select the packaged workbook file

Longitudinal Immigration Database ICARE Dashboard, 2012-2019

Home / Find Data / Longitudinal Immigration Database ICARE Dashboard, 2012-2019

Data provider:
Statistics Canada

Product group:
Data analysis and visualization tools

Description:
The Longitudinal Immigration Database ICARE Dashboard presents data from the IMDB ICARE tables T1 and T2 in a series of interaction charts. Data on immigrant taxpayer mobility and economic outcomes are compared with settlement service delivery, admission categories and world areas of birth. The dashboard includes time series showing data on immigrant taxpayer landing groups over time, and charts showing data for individual tax years.

The data in this dashboard covers all of Canada at the following levels of geography:

- Canada
- Provinces and territories (PT)
- Census division (CD)
- Census subdivision (CSD)
- Local Immigration Partnership (LIP) boundaries

Instructional video:
Community Data Program - IMDB ICARE Dashboard tutorial

This PC > Users > Downloads > cdp_IMDB-ICARE_dashboard

Name	Date modified	Type	Size
CDP_IMDB-ICARE_immigration_Dashboard	2023-06-14 1:57 PM	TWEX File	47,379 KB

Community Data Program
WELCOME TO THE Longitudinal Immigration Database ICARE Dashboard

The data displayed in this dashboard come from the Settlement Services Data Module of Statistics Canada's Longitudinal Immigration Database. The dashboard compares data on immigrant tax filer mobility and economic outcomes with settlement service delivery, admission categories and world areas of birth, covering the tax years 2002 to 2018.

The data in this dashboard covers all of Canada at the following levels of geography:

- Canada
- Provinces and territories (PT)
- Census division (CD)
- Census subdivision (CSD)
- Local Immigration Partnership (LIP) boundaries

The dashboard is organized into multiple sections, each presenting different data from the ICARE tables. Use the buttons at the top of the dashboard to navigate between sections.

Each section of the dashboard contains a set of dropdown menus used to control the data being displayed. The "Select geography" menu selects the geography you are viewing data for. Control the landing group and variables being viewed with the "First destination" and "Data selection" menus respectively, and use the "Other data" menu to help filter the data based on topics such as immigrant admission category, area of birth and settlement services. Definitions of terms and available data fields throughout the dashboard, and other fact books, are by hovering over the "i" icon next to the "Data selection" menu.

A video tutorial for this dashboard can be viewed here: <https://youtu.be/1G1210g0G8>

Download: <https://www150.statcan.gc.ca/n1/pub/95-009-x/2023001/article/00001-eng.htm>

[Click here to view the dashboard](#)

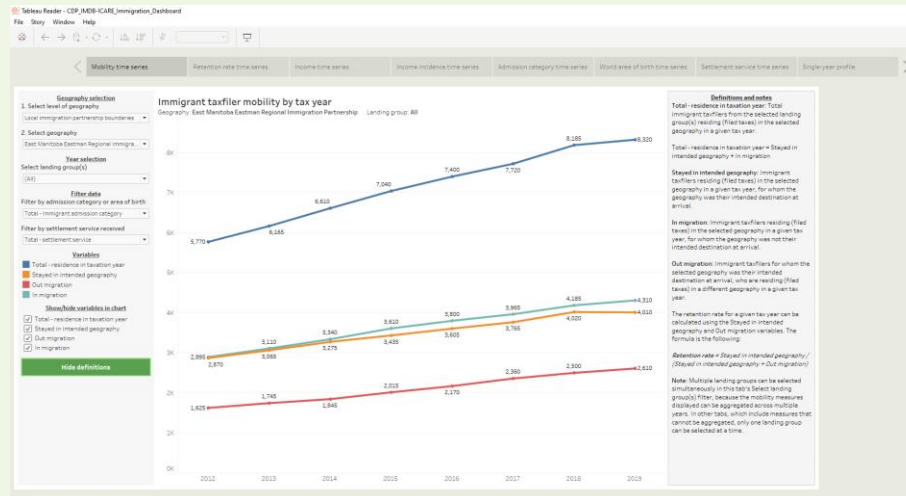
Data sources and notes

This dashboard was produced by the Community Data Program, an initiative of the Canadian Community Development Network. Contact us at cdp@cdpn.ca for more information on the data and our work with you as a partner. If you have any questions about anything, they're always about anything!



How to use CDP Tableau Dashboards Using Tableau Dashboards

- The instructions vary by dashboard
- Dashboards contain instruction and are designed to be intuitive to use
- Select geographies and apply filters
- Most dashboards contain a welcome page and links to data sources
- If you have specific questions, email us at information@communitydata.ca



Demonstration

Housing Dashboard - Version 1

- [Available here](#)
- Interactive data storytelling tool focused helping users to understand and tell stories about housing in their communities
- Guides users through a selection of housing indicators from sources including Statistics Canada and CMHC
- Offering questions and relevant information to help with interpretation of the data
- The data in this dashboard is available for provinces and territories, census divisions and/or census subdivisions, and covers all of Canada. The availability of levels of geography varies by data source.

