

# Leveraging data for impact analysis: Introduction

Winnie Chan, Social Analysis and Modelling Division

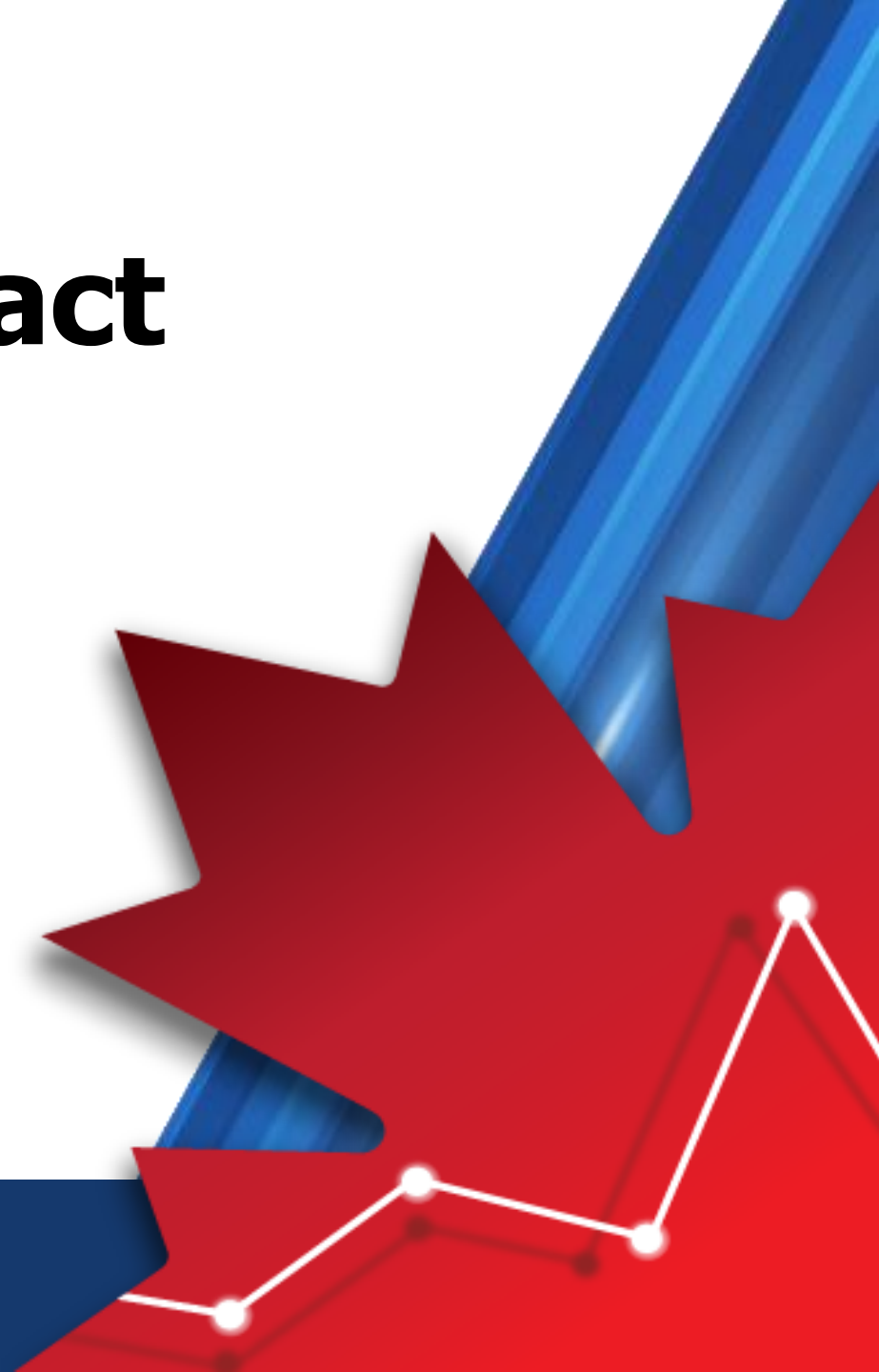
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Statistics  
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# Outline

**Introduction:** Overview of StatCan data environments

**Module 1:** Custom tabulations and custom analysis

**Module 2:** Overcoming data gaps and record linkages

**Module 3:** Canada's Quality of Life Framework: Quality of Life 101

**Module 4:** Access to existing microdata



# StatCan data: available for public access

- Common Output Database Repository (CODR) tables

[Labour force characteristics by industry, annual \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/28-263-x/2019001/article/00001-eng.htm)

[Manufacturing sales, by industry for 15 Selected Census Metropolitan Areas \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/28-263-x/2019001/article/00002-eng.htm)

- Public use microdata (PUMF)

[Labour Force Survey: Public Use Microdata File \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/99-011-x/2019001/article/00001-eng.htm)

[Social Policy Simulation Database and Model \(SPSD/M\) \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/99-011-x/2019001/article/00002-eng.htm)

- Data visualization

[Statistics Canada - Data Visualization Products \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/28-263-x/2019001/article/00001-eng.htm)

[Canadian Economic Tracker \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/28-263-x/2019001/article/00002-eng.htm)

- Data hub

[Food Price Data Hub \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/28-263-x/2019001/article/00001-eng.htm)

[Quality of Life Hub \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/28-263-x/2019001/article/00002-eng.htm)



# Data Linkable Environments

- Data Linkable Environment: facilitates the creation of datasets by combining survey and administrative data to respond to policymakers and researchers for information requirement using microdata
- Advantages of linked data:
  - Fills data gaps
  - Reduces response burden
  - Allows update of data frame with new data and sources
  - Allows tracking of individual and/or business over longer periods of time



# Data Linkable Environments --- some examples

- Business Linkable File Environment (B-LFE)

Objective: Provide micro data demographic and characteristics information on business, entrepreneurship, and ownership **at enterprise level**

[The Linkable File Environment \(statcan.gc.ca\)](https://www.statcan.gc.ca)

- Social Data Linkage Environment (SDLE)

Objective: Enable linkage **at individual level** across multiple data sets in the social domain to facilitate pan-Canadian and economic statistical research

[Overview \(statcan.gc.ca\)](https://www.statcan.gc.ca)



# Analytical platforms --- some examples

- Canadian Employer-Employee Dynamics Database (CEEDD)

The CEEDD is a set of linkable files maintained by Statistics Canada to provide linkage between employees and employers in the Canadian labour market.

[Canadian Employer Employee Dynamics Database \(CEEDD\): Introduction \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/95-062-x/2019001/article/00001-eng.htm)

- Education and Labour Market Longitudinal Platform (ELMLP)

The ELMLP allows longitudinal integration of administrative data related to education with other data sources to create anonymized, customized datasets for analytical purposes.

[Overview of the Education and Labour Market Longitudinal Platform and Associated Datasets, 2022 \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/95-062-x/2022001/article/00001-eng.htm)

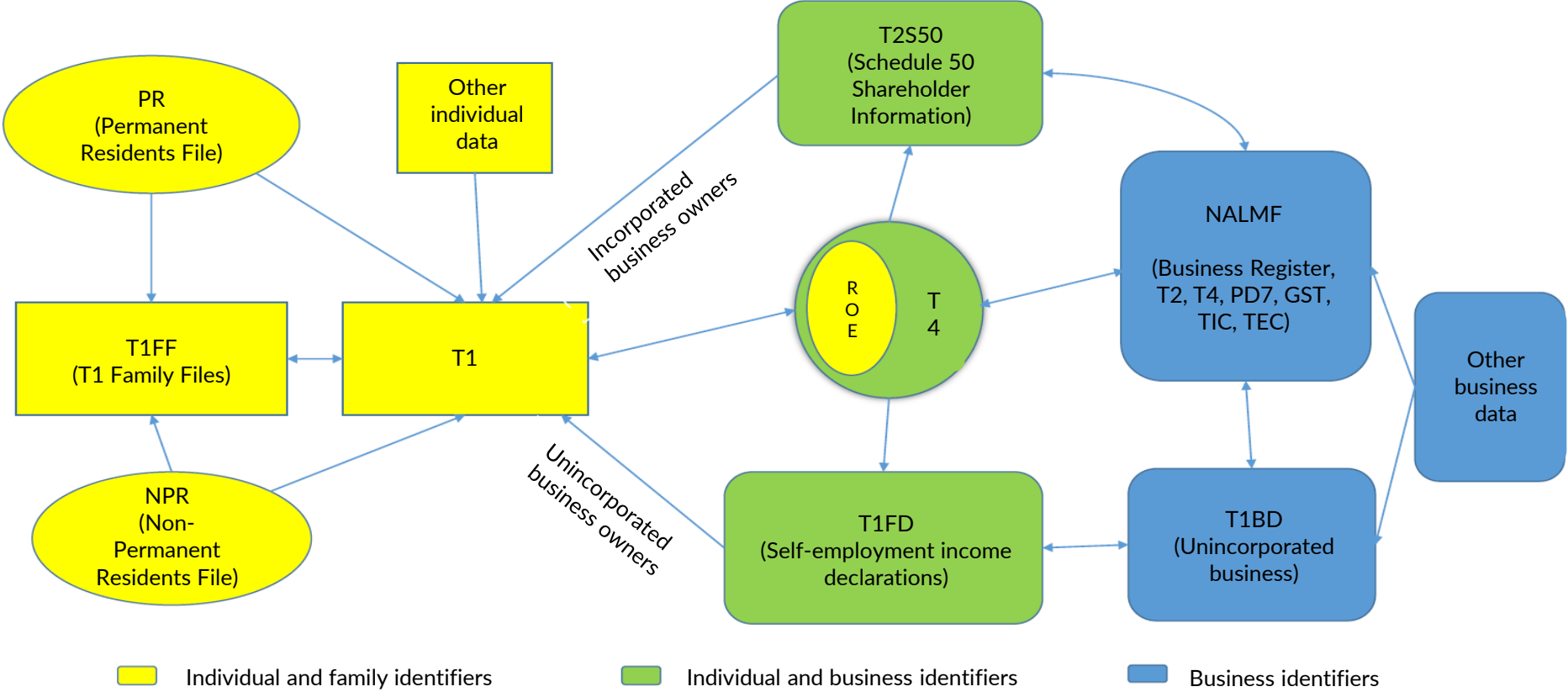
- Canadian Census Health and Environment Cohorts (CanCHECs)

The CanCHECs combine long-form census respondents with administrative health data (e.g., mortality, cancer, hospitalizations, ambulatory care, and mental health) and environmental data.

[Canadian Census Health and Environment Cohorts \(CanCHECs\) \(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/95-062-x/2019001/article/00001-eng.htm)



# Canadian Employer-Employee Dynamics Database (CEEDD)



# Business Employee Analytical Microdata (BEAM)

- A single and standard extraction from the CEEDD with selected variables
  - For research purpose only
  - Selected variables proven to be analytically useful, based on what is normally requested from researchers and StatCan's own research
  - Covers: all individuals that filed T1, all paid employees who were issued a T4 Statement of Remuneration Paid (slip), all corporations that filed T2 and all unincorporated businesses with a valid Business Number
  - Released in RDCs to facilitate data access for much wider research community





# Education and Labour Market Longitudinal Platform (ELMLP)

## Core files

**Postsecondary  
Information System  
(PSIS)  
2009/10 onwards**

**Registered  
Apprentice  
Information System  
(RAIS)  
2008 onwards**

**PSIS-RAIS T1FF  
1992 onwards**

There are other supplementary files

[Overview of the Education and Labour Market Longitudinal Platform and Associated Datasets, 2022  
\(statcan.gc.ca\)](https://www150.statcan.gc.ca/n1/pub/95-009-x/2022001/article/00001-eng.htm)



# Canadian Census Health and Environment Cohorts (CanCHECs)

Census  
Long-form Census (1991, 1996, 2001, 2006, 2011, 2016, 2021)  
Demographic, economic, household composition, employment, ethnicity, immigration status

National Ambulatory Care Reporting System (NACRS), Discharge Abstract Database (DAD), Ontario Mental Health Reporting System (OMRS)

Canadian Vital Statistics – Death Database (CVSD)

Canadian Cancer Registry (CCR)

[Canadian Census Health and Environment Cohorts \(CanCHECs\) \(statcan.gc.ca\)](http://statcan.gc.ca)



# New possibilities with linkage to other survey data including Census

- Linkages between census and various administrative data: tax-based individual files, health, immigration, education
  - Examples: Intergenerational Income Database (IID) – Census; CanCHECs; IMDB – Census 2016; PSIS – Census 2016
  - Enrich 'big and thin' administrative data with census information
  - Add longitudinal data to census data



# Thank You!



[Winnie.Chan@statcan.gc.ca](mailto:Winnie.Chan@statcan.gc.ca)

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