

# Leveraging data for impact analysis: Module 2

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# Overcoming data gaps and record linkages

- To overcome information gaps for impact analysis, new record linkages might be required
- Administrative issues/timeline to take note of:
  - Data acquisition (will need to follow processes from the data custodian and data requestor)
  - Data linkage approval (might involve privacy impact assessment and data ethnics assessment)
  - Release and vetting rule development
  - Data interoperability



# Social Data Linkage Environment (SDLE)

Coverage: historical database of Canadians build by combining administrative files

Over 160 data sources already linked

Facilitates the creation of linked population data sets for social analysis

## Analytical Opportunities:

- Use existing administrative and survey data to address important research questions and inform socioeconomic policy
- Generate new information and valuable insights without the need for any additional data collection



# Enhance your data with SDLE

Reduce costs of research projects.

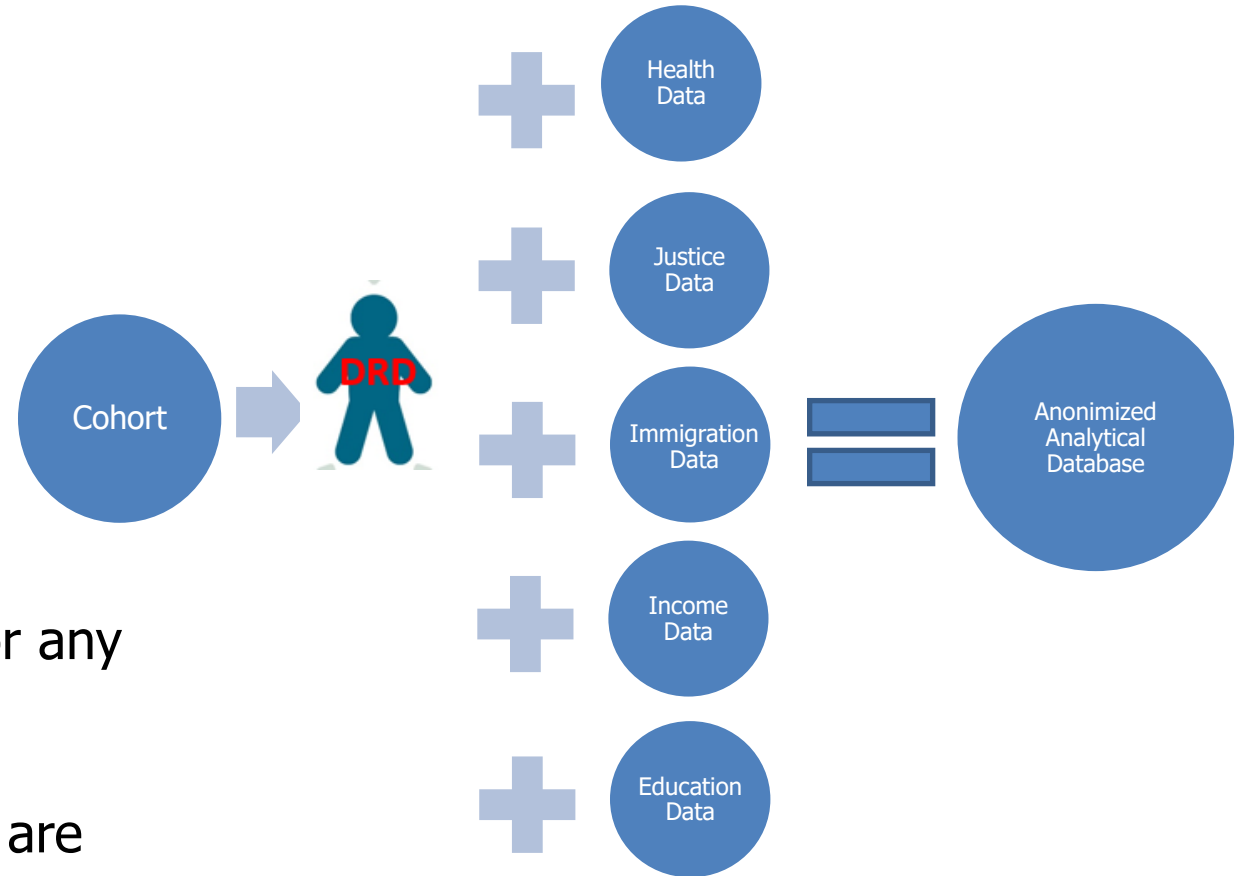
Standardised approach to record linkage

Reduce response burden.

Using existing administrative and survey data fills data gap to address important research questions and inform socioeconomic policy.

Generate new information without the need for any additional data collection.

SDLE files are linked once, and linkage results are reused to create analysis files.



# Collaborating with SDLE

**Microdata linkage projects are complex projects.**

**Collaboration between clients, Statistics Canada subject matter experts, the SDLE team, and data access experts.**

**Each step requires time, cost, and resources. The work will not be completed in a month.**

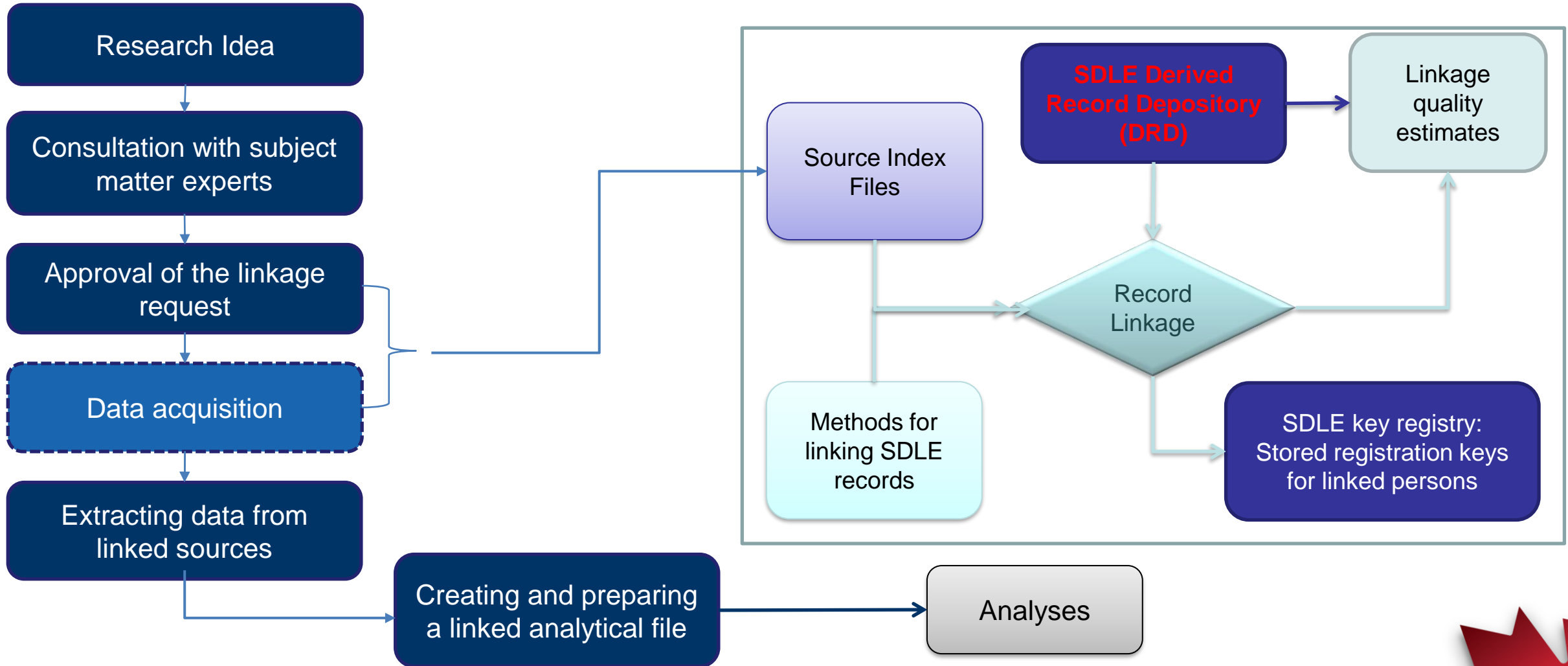
## **To get started:**

- Do you have a clear research question?
- Can you demonstrate how the public interest is served by your project?
- Can you explain why linkage is the best way to achieve this benefit for the public?
- Is the data already available at StatCan or will a data acquisition process need to be initiated?
- If a new file is to be acquired, does it contain good quality personal identifiers to allow the records to be linked? Do you have permission to share the file with StatCan?
- How do you plan to access the linked microdata?



# Collaborating with SDLE

## How does it work?



# SDLE in Statistics Canada Data

Longitudinal Immigration  
Database (IMDB)

Education and Labour Market  
Longitudinal Platform (ELMLP)

Canadian Census Health and  
Environment cohorts (CanCHECs)

Criminal Justice Relational Database  
(CJRD)

Census of Population

Survey of Financial Security (SFS)

Canadian Community Health Survey  
(CCHS)

General Social Survey (GSS)

Canadian Social Survey (CSS)

[Social Data Linkage Environment \(SDLE\)](#)

# Linkage Projects in collaboration with SDLE

- **Linkage of the Survey of Before and After School Care in Canada, 2022 to the 2020 T1 Family File, 2021-2022 Canadian Child Benefit File, the Longitudinal Immigration Database. (007-2023)**
- **Exploring the Demographic and Socio-Economic Characteristics Associated with Repeated Convictions among Individuals who have been Supervised by a Correctional Program (005-2022)**
- **Assessing the impact of the COVID-19 pandemic and financial support programs on social inequalities in mental health in Canada (008-2022)**
- **A Comprehensive Analysis of the Pathways to Education Program on Health and Crime Outcomes of Eligible Participants (033-2021)**
- **Surrey Opioid Data Collection and Community Response Project: Linking Surrey Opioids data with income, health and immigration data. (008-2018)**





# Thank You!



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