



Statistics Canada  
www.statcan.gc.ca



# Real Time Remote Access (RTRA)

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# Real Time Remote Access

- On-line remote access facility allowing users to run more or less in real-time, data analyses on microdata located in a central, secure location.
  - Benefits of RTRA
    - Fast access to a pool of data sets
      - 1 week for account creation
      - Deemed employee status not required
      - Access to data sets aren't restricted to approved projects
    - Vetting of outputs is fully automated
    - Accessible at any time through the internet.
    - Full range of descriptive statistics available through the RTRA.

# Uses of the RTRA System

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  - **Projects that don't require complex modeling can be accomplished through the RTRA with descriptive statistics.**
  - RTRA would be suitable when the PUMF data lacks the required detailed but the project is too small or timelines preclude a submission to get access at an RDC.
  - **Access to data sets that don't have a PUMF.**
  - Project feasibility can be determined using the RTRA before finalising and submitting a project proposal.

# RDC's & RTRA complementary: User requirements

Simple/Quick Tabulations for briefing notes/articles

**RDC: Not met**

**RTRA: met**

Analytical modeling for policy research

**RDC: Met**

**RTRA: Not met**

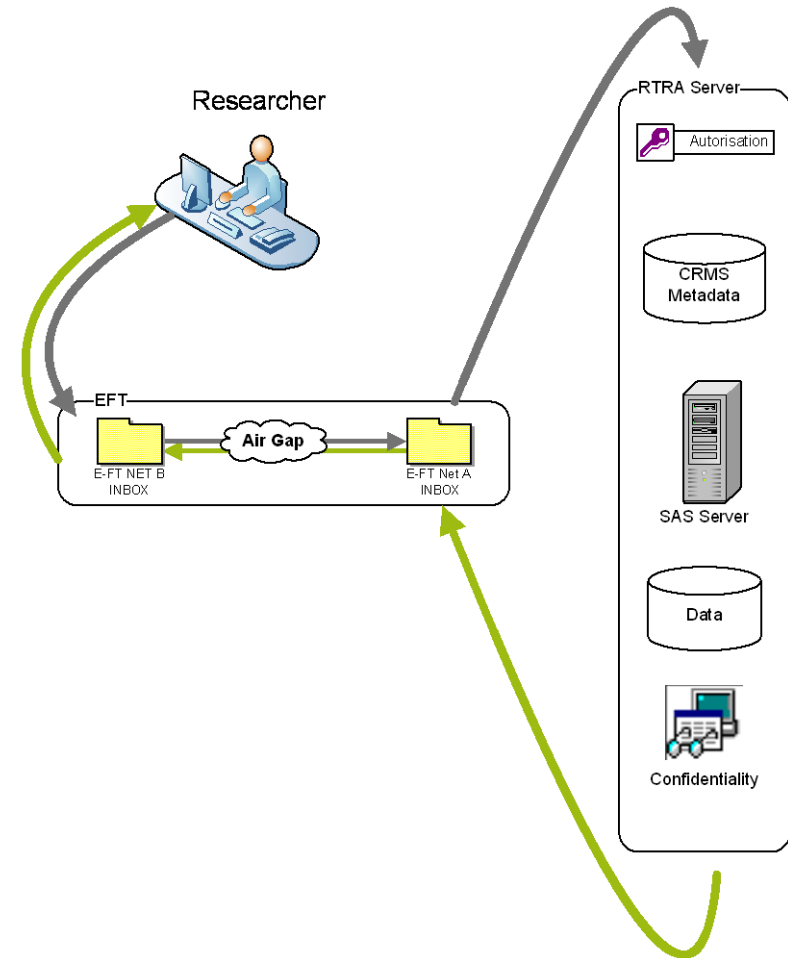
Many large scale tables for reports or web publishing

**RDC: Not met**

**RTRA: Met**

# RTRA system process

- RTRA System comprises other corporate systems
  - CRMS
  - EFT
- Pre-Scan & processing in SAS
- Disclosure control post scan via custom program



# Datasets available through the RTRA

- 27 Surveys and data collections
- For a Full list of surveys please visit:
  - [www.statcan.gc.ca/rdc-cdr/rtra-adtr/surv-eng-eng.htm](http://www.statcan.gc.ca/rdc-cdr/rtra-adtr/surv-eng-eng.htm)
- Of particular interest:
  - Canadian Survey on Disability
  - Aboriginal Peoples Survey
  - Participation and Activity Limitation Survey
  - Canadian Community Health Survey
  - Post-secondary Student Information System

# Survey of Labor and Income Dynamics and Labor Force Surveys

- SLID data RETrieval system (SLIDRET)
  - available free of charge via the client service unit at [income@statcan.gc.ca](mailto:income@statcan.gc.ca).
  - Longitudinal results not yet available.
- Monthly Labor Force Data available
  - Monthly files are grouped into data sets by 5 year intervals



# Administrative Data Collections

- Uniform Crime Reporting
- Canadian Cancer Registry
- Registered Apprenticeship Information System
- Postsecondary Student Information System



# RTRA features

- Data Quality Indicators for Bootstrap weight Surveys
- Several Statistics available through RTRA
  - Frequencies
  - Means
  - Medians
  - Percentiles
  - Ratios
  - Proportions

# Disclosure controls

- **Simple and efficient**

- Controlled Rounding
- Bound variation
- Primary cell suppression
- Cell size limitations

- **Impacts of Disclosure control**

- Rounding base is survey-driven
- Protect respondent confidentiality and against possible link to PUMF
- Small impact on precision is as close to controlled as possible
- All outputs are weighted

# Your Implementation of the RTRA

While the RTRA can provide fast access to a lot of data, however a particular set of skills are required to use the system

- Capacity to understand and work with microdata
- Basic level SAS programming

We encourage collaborative projects and for organizations to designate focal points who will become experts in using the RTRA.

# Your Implementation of the RTRA

**Letter of agreement with organization  
subscribing to the RTRA Service.**

**End User Accounts for individuals who must  
sign terms and conditions of use.**

**[www.statcan.gc.ca/rtra](http://www.statcan.gc.ca/rtra)**

# Training and Contact

- Training on how to use the RTRA is available
  - 2 hour training session
  - Covers RTRA web resources & basic programming techniques
- Please contact us:
  - [rtra\\_adtr@statcan.gc.ca](mailto:rtra_adtr@statcan.gc.ca)