



Statistics Canada
www.statcan.gc.ca



Real Time Remote Access (RTRA)

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David.Price@statcan.gc.ca

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

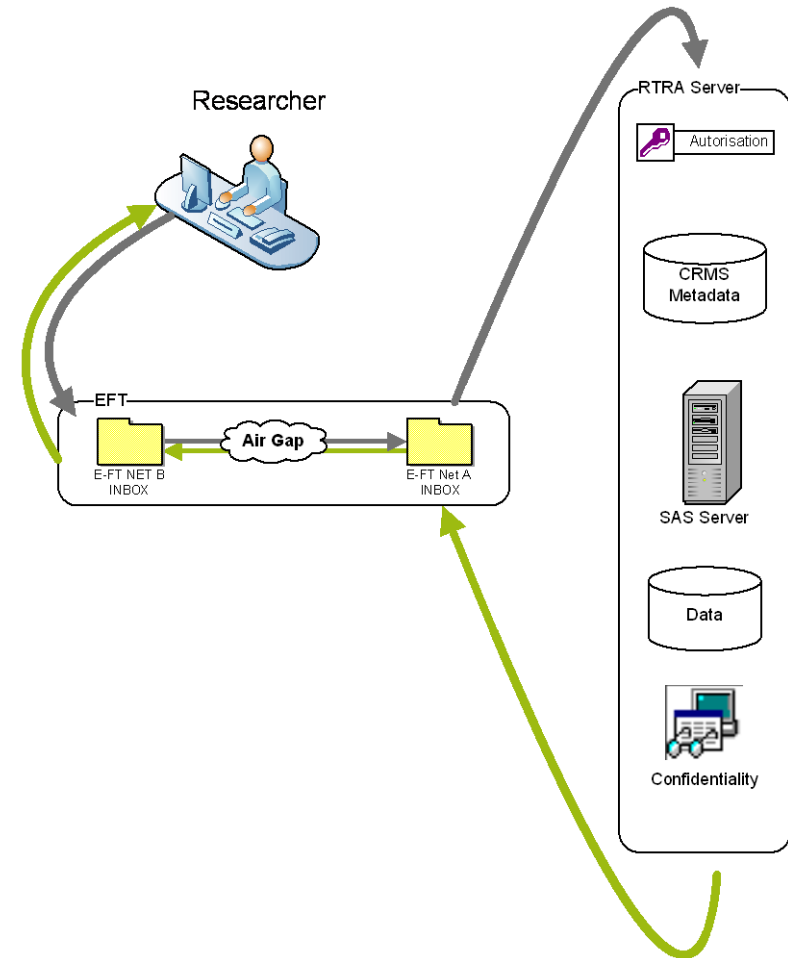
Many large scale tables for reports or web publishing

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
- 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.
 - 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

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