





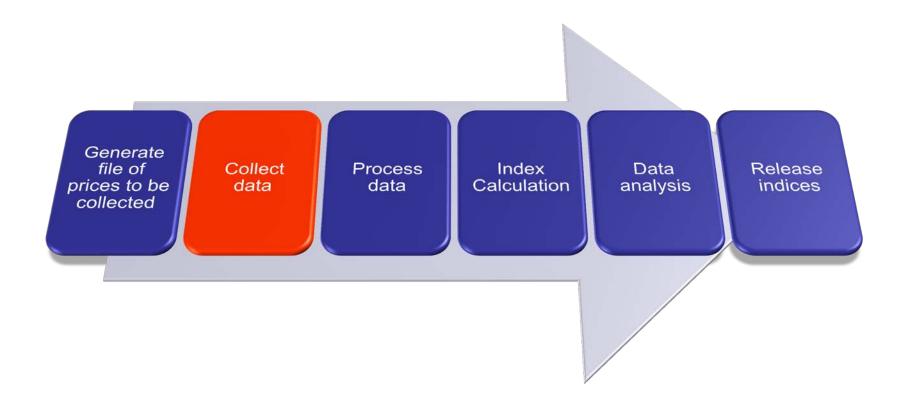
Collecting the Consumer Price Index in Canada

FedCASIC 2013

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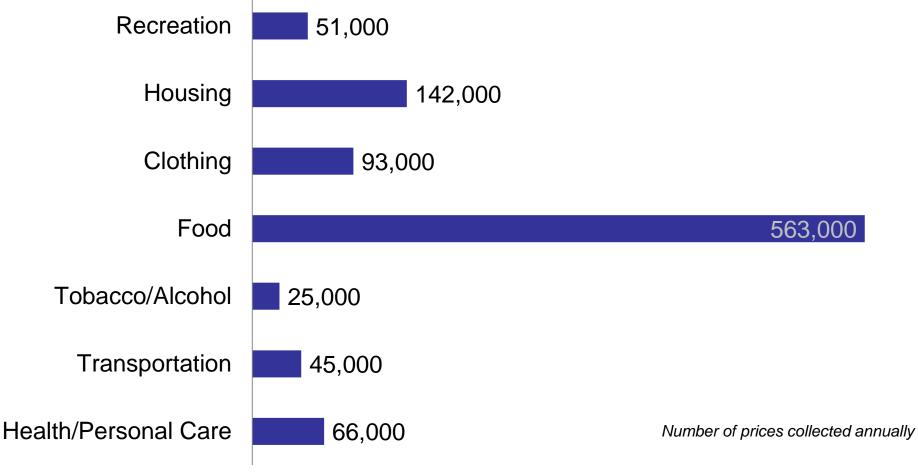
High Level CPI Process



CPI Facts

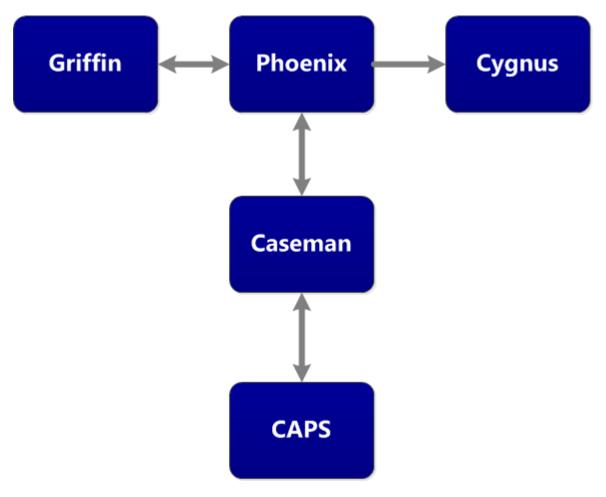
- 80,000+ prices collected monthly
- 4,000+ outlets contacted monthly
- 90+ interviewers working across the country monthly
- \$2.8M collection budget annually

What we sample





High Level System Overview



Computer Assisted Pricing System CAPS

- Displays Interviewers workload
- Records all pricing information
- Displays previous cycle pricing details
- Enforces hard and soft Edits
- Allows interviewers to modify the sample

Computer Assisted Pricing System CAPS continued

- Dynamic form rendering engine
 - Presents additional forms to the Interviewer as needed
 - Used for gathering product specific details
 - E.g., clothing, electronics
 - Forms are built in head office using Griffin and sent to the hand held monthly

Back Office SystemsCaseman

- Workload management software
- Used for CPI and many other surveys
- Allows regional managers to distribute workload equitably amongst interviewers
- Workloads are abstracted from survey details
- Includes reporting functions to track the progress of completed assignments

Back Office SystemsPhoenix

- Creates the sample each month
- Allows users to track the progress of collection
- Applies edits and imputations to data
- Includes the complete set of representative products
- Manages new inclusions to the sample

Back Office Systems Cygnus (MPS)

- A CPI System used to create the various indices following each collection period
- Applies weights to collected data
- Aggregates various sources of data

Back Office SystemsGriffin

- A suite of tools to allow users to:
 - Build highly detailed, product specific, forms to be sent to the handheld computers
 - Approve new forms
 - Generate and view forms
 - View, compare and manipulate data collected using auxiliary forms

Handheld Motorola MC55



Handheld Specifications

- Motorola MC55 PDA
- 240 x 320 touch screen
- 520 MHz ARM processor
- 128 RAM
- Windows Mobile 6.1
- CradlePoint External dial-up modems

Handheld Platform technologies

- Sybase Afaria
 - File Synchronization
- MobiControl
 - Help Desk Remote Control Utility
- PointSec
 - Encryption and Authentication

Handheld Development technologies

Programming

- Net Compact Framework 3.5
- Visual Basic / C#

Databases

- Microsoft SQL CE
- Sybase SQL Anywhere

Handheld Factors for hardware selection

- Can fit in one hand
- Adjustable hand strap
- Maximum Weight of 20 ounces (567 grams)
- Must pass Canadian Military Standard for water and dust resistance, 3 foot drop, temperature range of -10C to 40C
- Battery life 6 hours of continuous use

Future Plans

- A single system will replace all existing collection platforms, including the computer assisted pricing system
- Tablet computers are being evaluated to replace the current generation of collection hardware

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