

# **User's Guide for Cross-Sectional Public-Use Microdata File**

## **Survey of Labour and Income Dynamics (SLID)**



**Reference Year 2006**

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## 1. Introduction

The cross-sectional public-use microdata file for the Survey of Labour and Income Dynamics (SLID) is a collection of income, labour and family variables on persons in Canada and their families. SLID is an annual household survey covering the population of the 10 Canadian provinces with the exception of Indian reserves, residents of institutions and military barracks.

The Survey of Labour and Income Dynamics began collecting data for reference year 1993. Initially, SLID was designed to be, first and foremost, a longitudinal survey, with primary focus on labour and income and the relationships between them and family composition. Then, the decision was made to extend the objectives of SLID to be the primary source of cross-sectional household income data.

For many years, the Survey of Consumer Finances had provided public-use microdata files (PUMFs) to meet the needs of cross-sectional household income data users. SCF PUMFs were released up to and including reference year 1997. For the purpose of standard publications, Statistics Canada has made the transition from SCF to SLID between 1995 and 1996. Therefore, SLID cross-sectional PUMFs are being made available beginning with reference year 1996. The SLID files have been designed to be analogous to those produced for the SCF. The type of income data collected by SLID was identical to that of the former household income survey SCF (Survey of Consumer Finances), with the distinction that SLID respondents had the choice of a traditional income interview or granting permission to Statistics Canada to use their T1 income tax data.

To find more information on comparability between SLID and SCF data please consult the two following documents: *Bridging two surveys - An integrated series of income data from SCF and SLID - 1989-1997* and *Comparison of income estimates from the survey of consumer finances and the survey of labour and income dynamics* (see also section Related products and services)

### *How to cite SLID in publications*

For publication of any information based on the SLID microdata files on CD-ROM (75M0010XCB), the following form of accreditation is recommended:

"This analysis is based on Statistics Canada's Survey of Labour and Income Dynamics Public Use Microdata, which contains anonymized data collected in the Survey of Labour and Income Dynamics. All computations on these microdata were prepared by (Name of user). The responsibility for the use and interpretation of these data is entirely that of the author(s)".

## 2. File Structures

Although often referred to as one file, the SLID cross-sectional PUMF is four separate flat files: key, person, economic family and census family. To a large extent, the file structure used for SCF PUMFs has been maintained.

On the person file, there is one record per person in the sample aged 16 and over. Job characteristics such as industry, wage rates and work schedule are included on the person file and relate to the person's main job during the reference year (the job at which the most hours were worked during the year). Although SLID collects data on all jobs held during the year by each person under 70 years old, the characteristics of all other jobs are not included on the SLID PUMFs. The person file does contain identifiers that allow a researcher to group persons into households, economic families and census families.

The key file contains one record per person in the sample including children under the age of 16. Basic demographic information is available on this file and the necessary identifiers in order to match to the files for person, economic and census families. The economic and census family files contain one record per family. Both files include a demographic summary, income information and labour characteristics.

In 2006, there was no change to PUMF files structure from the previous reference year.

The sizes of the 2006 public-use files are:

Files	Number of Records	Number of Variables	Record length
Person file	54,262	130	491
Economic family file	28,524	67	371
Census family file	31,843	64	368
Key file	66,646	14	45

## 3. Using the Record Layouts, Data Dictionary and Univariate Distributions

Additional information files are provided to assist users of the SLID public-use microdata files. For each of the four data files (key, person, economic family and census family), record layout, data dictionary and univariate distributions are provided. These information files are organized by content themes and in some cases sub-themes.

The following describes the structure of the additional information files:

#### A. The columns of the record layout file

- *Variable name.* This is the variable name assigned for the public-use microdata file.
- *Type.* Indicates whether the variable is numeric (in the sense that it can logically be used in mathematical operations) or character.
- *Size.* Indicates both the number of spaces including the decimal point if there are decimal places and the number of decimal places, if any. For example, a variable which can have values of zero (00.0) to 99.9 would have a format expressed as: 4.1. A variable which can have values of zero (00) to 99 would have a format expressed as: 2.
- *Sequence.* Indicates the order of variable appearance.
- *Start position.* This shows the location of the variable on the public use microdata file.
- *Long variable name.* A standardized name which can be used to quickly identify variables, to label tables, and so on. Although still rather cryptic, it is considerably more revealing than the variable name. However, this longer name obviously excludes a lot of important information contained in the variable description shown in the data dictionary. In short, analysts are warned against making assumptions about the variable definition based on the long variable name.
- *Number of categories.* Shows the number of categories in the value set for the variable in question. Applies only to "character" variables. Numeric variables have ranges, which are specified in the data dictionary.

#### B. Data dictionary

The data dictionary presents the complete information about each survey variable on each of the four files. For each variable in the record layout the following information is shown: the variable name, the description or definition, code lists with descriptions or alternatively the range of values that the variable can take on, the variable type, its length (or format), and the population to which the variable pertains, i.e. for whom it is applicable.

#### C. Frequencies

These distributions are provided to allow users of the public use microdata files to verify totals that they produce. These distributions relate to the public-use files and not to the internal database; the distributions will be similar but not identical due to confidentiality processing procedures used to produce the public-use files.

For character variables, the description, unweighted and weighted frequencies and weighted percentages for each code, including reserved codes (see below), are provided. For numeric variables, the values are broken into several ranges and show the description, unweighted and weighted frequencies and weighted percentages.

### **Missing values and reserved codes**

There are a few types of missing values on the public use files. SLID has adopted standard codes which have a particular meaning. It is important to account for reserved codes in any analysis, particularly with numeric variables. If your calculation of means or aggregates seems too high, check to ensure that you have excluded reserved codes from the calculation. With only a few exceptions, the reserved codes are the highest four values permitted according to the length of the variable. A brief explanation of reserved codes is provided below.

If the coverage of a variable does not extend to a certain population sub-group, then there are no valid values for that sub-group and the values (reserved codes) that do appear are in the form 9, 99, 9.9 and so on, which indicates that the variable is not applicable. The coverage of each variable on the file is referred to in the data dictionary as the “population”.

For certain records, no valid value is available, although the value is applicable. Possibly, the respondent did not provide the information or it failed an edit in processing and the value was not imputed. Such missing values appear with a reserved code such as 7, 97, 9.7 and so on depending on the format. For certain variables, the number of missing values has been reduced through imputation. Missing values for the income variables have been entirely imputed, but most other variables may have missing values.

Finally, a few values may have been coded as 8, 98, 9.8, etc. These represent refusals to particular items in the interview. The approach for dealing with missing values of this last kind depends on the type of analysis being carried out and the extent of missing data. Although the end solution may be to exclude the records with missing values from the analysis, a review should first be carried out to assess the impact of missing values on the overall representativeness of the data. Is it possible that a bias results from the missing data? For example, are the (other) characteristics of the people with missing values different from those of the observed part of the sample? It may be necessary to take into account the possible impact in some way. In all cases, analysts should note exclusions of records with missing values in their published results.

## 4. Guidelines for Applying Weights

The microdata on the public use files are unweighted. It is the responsibility of data users to apply the appropriate weights in any estimates they wish to produce. If proper weights are not used, the results derived from the microdata cannot be considered to be representative of the survey population, and will not correspond to those that would be produced by Statistics Canada. The weights are provided as variables under "Sample control". On the SLID PUMF, the weight variable is named ICSWT26.

## 5. Guidelines for Release (Data Quality and Rounding)

Microdata users should apply the rules for assessing data quality (see below) to all estimates they produce, and retain only those that satisfy the release criteria. Estimates that do not satisfy the release criteria are not reliable.

### Introduction

The guidelines for release and publication make use of the concept of sampling variability to determine whether the estimates obtained from the microdata are reliable. Sampling variability is the error in the estimates caused by the fact that we survey a sample rather than the entire population. The concept of standard error and the related concept of coefficient of variation and confidence interval provide an indication of the magnitude of the sampling variability.

The standard error and coefficient of variation do not measure any systematic biases in the survey data which might affect the estimate. Rather, they are based on the assumption that the sampling errors follow a normal probability distribution.

Subject to this assumption, it is possible to estimate the extent to which different samples that have the same design and the same number of observations would give different results. This indicates the margin of error that is likely to be included in the estimates derived from our single sample.

For a more complete description of the measures of sampling variability, see A. Satin and W. Shastry, *Survey Sampling: A Non-Mathematical Guide*, Statistics Canada, Catalogue 12-602E.

### Minimum sizes of estimates for release

Suppression rules, or data reliability cut-offs, are currently established based on the sample size that underlies the estimate. In general, a sample size of 25 observations is required for the estimate to be published. Depending on the type of estimate, this rule can

vary slightly. These rules help protect the confidentiality of survey respondents and ensure the reliability of estimates.

### Suppression rules

Estimate	Suppress if:
<b>Percentage, Distribution, Proportion/Shares:</b>	
<ul style="list-style-type: none"> <li>• % under the low-income cut off (LICO)</li> <li>• Income distribution</li> <li>• Proportion of families with income=0</li> </ul>	Denominator* sample size < 25 or Denominator* sample size < 100 and numerator sample size < 5
<b>Ratios:</b>	
<ul style="list-style-type: none"> <li>• female/male earnings</li> </ul>	Numerator sample size < 25 or Denominator sample size < 25
<b>Quintiles (shares, means and upper income limits)</b>	
<ul style="list-style-type: none"> <li>• shares of income by quintile</li> <li>• average income by quintile</li> <li>• upper income limits</li> </ul>	sample in all quintiles/5 < 25 or upper income limit for upper income quintile or total of quintiles
<b>Other estimates</b>	
<ul style="list-style-type: none"> <li>• Counts</li> <li>• Mean</li> <li>• Medians</li> <li>• Gini coefficients</li> </ul>	sample < 25

\* The denominator sample size refers to the sample size of the total estimate from which the distribution, percentage, proportion or share is derived.

### Estimates of provincial aggregates and means

When producing estimates for provincial aggregates and means it should be noted that for a small number of records, province of residence has been suppressed. This will result in a small bias in provincial estimates.

### Rounding guidelines

To ensure that estimates from this microdata file intended for publication or any other type of release correspond to estimates that would be obtained by Statistics Canada, we



strongly recommend that users comply with the following guidelines for rounding estimates:

- a) Estimates in the body of a statistical table must be rounded to the nearest hundredth using the traditional rounding technique, i.e., if the first or only number to be eliminated is between 0 and 4, the preceding number does not change. If the first or only number to be eliminated is between 5 and 9, the value of the last number to be retained increases by 1. For example, when using the traditional technique of rounding to the nearest hundredth, if the last two numbers are between 00 and 49, they are replaced by 00 and the preceding number (denoting hundredths) stays as is. If the last two numbers are between 50 and 99, they are replaced with 00 and the preceding number increased by 1.
- b) Total partial sub-totals and total sub-totals in statistical tables must be calculated using their unrounded corresponding components, then rounded in turn to the closest hundredth using the traditional rounding technique.
- c) Means, ratios, rates and percentages must be calculated using unrounded components (i.e., numerators and/or denominators), and then rounded to a decimal using the traditional rounding technique.
- d) Totals and differences in aggregates (or ratios) must be calculated using their corresponding unrounded components, then rounded to the nearest hundredth (or decimal place) using the traditional rounding technique.
- e) If, due to technical or other limitations, a technique other than traditional rounding is used, with the result that the estimates to be published or released differ in any form from the corresponding estimates that would be obtained by Statistics Canada using this microdata file, we strongly advise users to indicate the reasons for the differences in the documents to be published or released.
- f) Unrounded estimates should not under any circumstances be published or released. Unrounded estimates give the impression that they are much more precise than they actually are.

### **Hypothesis tests provided by statistical software packages**

Microdata users should be aware that the results of hypothesis tests (such as the p values accompanying t statistics or Pearson statistics) that are provided automatically by most standard statistical software packages are incorrect for data provided by surveys with a complex survey design, such as SLID. Such packages calculate these test results under the assumption of simple random sampling. That is, they do not take into account the special sample design features of SLID such as stratification, clustering, and unequal selection probabilities. While many of the standard packages can account for the unequal selection probabilities in the production of estimates by allowing the use of weights, these packages do not properly take the sample design into account when producing variance estimates that form part of most test statistics.

To perform hypothesis tests, a two-step method can be employed with the standard statistical software to form the test statistics. First, estimate the characteristics of interest (total or mean) using the weights provided on the microdata file. Second, obtain approximate variance estimates of these characteristics by rerunning the same software procedure as that used for producing the characteristic estimates but using a scaled weight that consists of the original weight divided by the average of the original weights of all the observations being used in your computations. The standard error can be derived by using the estimate and the rough estimate of the variance. These quantities (estimate, variance, standard error) can then be combined to form test statistics. It must be noted that this method provides only rough approximations to the variance.

It should be noted that users of the SLID PUMF cannot readily obtain better design-based variance estimates through the use of statistical software specifically designed for survey data. This is because the design information required by these software packages is not currently available on the SLID data file due to confidentiality considerations. However, better variance estimates can be produced by Statistics Canada on a cost-recovery basis.

## **6. Confidentiality of the Public-Use Microdata**

The production of a public-use microdata file includes many safeguards to prevent the identification of any one person. Longitudinal surveys are faced with an extra challenge when it comes to ensuring confidentiality, because data are collected for the same people for several years. For this reason, Statistics Canada plans to release only cross-sectional files from SLID. The number of topics covered in SLID also contributes to the amount of processing required specifically to ensure confidentiality. Confidentiality of the public-use file is ensured mainly by reducing information, i.e. deleting whole variables or suppressing or collapsing some of their detail.

SLID uses a number of techniques to ensure confidentiality:

- The SLID public-use file is comprised of a sample of the households randomly selected from the full SLID sample.
- All the variables which would permit direct identification of individuals are, of course, deleted from the file. This includes name, telephone number, and other data used for collection purposes;
- Collapsing categories. This is applied to categorical (i.e. qualitative) variables such as the variable ‘size of area of residence’.
- Top and bottom coding. Very high and very low values usually are rare or unique in the population. Such extreme values are replaced with the value of an upper or lower limit.

- Rounding. Some variables, particularly monetary values, are rounded.
- Suppression and modification of characteristics was done while preserving integrity of the file for the purpose of producing precise and accurate statistics.
- Imputed records and variables on the file are not identified as such.
- Addition of "noise" (perturbation). Numeric values may have been raised or reduced by unequal amounts and proportions in a random-like fashion (addition of "noise"), while maintaining data integrity for the purpose of producing precise and accurate statistics.

## **7. SLID Content, Notes and Definition, Methodology**

See the appropriate section in [Survey of Labour and Income Dynamics \(SLID\) - A survey overview](#)

## **8. Related Products and Services**

See the appropriate section in [Survey of Labour and Income Dynamics \(SLID\) - A survey overview](#)

## **9. Questions and Comments**

If you have any questions or comments about the data in this CD-ROM product, you can contact the Income Statistics Division.

Telephone: 1-888-297-7355 or 613-951-7355

Facsimile Number: 613-951-3012

Internet: [income@statcan.ca](mailto:income@statcan.ca)

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Statistics Canada  
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Ottawa, Ontario  
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## 10. Appendix 1

### SLID Record Layout, 2006 External Cross-Sectional Economic Family File (ec2006ef)

Variable name	Type	Size	Field	Start position	Long name
<b>01100 Sample control - Identifiers</b>					
puchid25	Character	7	1	1	Cross-sectional random household identifier
<b>01110 Sample control - Identifiers- Year</b>					
year99	Numeric	4.0	2	8	Reference year
<b>01120 Sample control - Identifiers- Economic Family</b>					
d31fam26	Character	2	3	12	Economic family identifier
<b>01200 Sample control - Weights</b>					
icswt26	Decimal	10.4	4	14	Regular cross-sectional weight
<b>03140 Personal characteristics - Demographics- Family situation</b>					
mjih27	Character	1	5	24	Flag - Economic family includes major income earner of household, reference year
<b>03510 Personal characteristics- Geography - Geographic area</b>					
pvreg25	Character	2	6	25	Province of residence group, household, December 31, reference year
uszga25	Character	1	7	27	Adjusted size of area of residence
<b>03630 Personal characteristics- Family and household characteristics- Economic family - size and type</b>					
agofm27	Numeric	3.0	8	28	Age of oldest person in economic family
agofmg27	Character	2	9	31	Age group of oldest person in economic family
agyfm27	Numeric	3.0	10	33	Age of youngest person in economic family
agyfmg27	Character	2	11	36	Age group of youngest person in economic family
fmcomp27	Character	2	12	38	Economic family composition
fmsz27	Numeric	2.0	13	40	Number of family members

Variable name	Type	Size	Field	Start position	Long name
fmtyp27	Character	2	14	42	Economic family type reference person
<b>03640 Personal characteristics - Family and household characteristics- Economic family - income</b>					
alimo27	Numeric	8.0	15	44	Economic family total - Support payments received
alip27	Numeric	8.0	16	52	Economic family total - Support payments paid
atinc27	Numeric	8.0	17	60	Economic family total - After-tax income
capgn27	Numeric	8.0	18	68	Economic family total - Taxable capital gains
ccar27	Numeric	8.0	19	76	Economic family total - Childcare expenses
chfed27	Numeric	8.0	20	84	Economic family total - Canada Child Tax Benefit
chprv27	Numeric	8.0	21	92	Economic family total - Provincial program general Child Tax Benefit (CTB)
chtxb27	Numeric	8.0	22	100	Economic family total - Federal provincial program general Child Tax Benefit (CTB)
cpqpp27	Numeric	8.0	23	108	Economic family total - Canada Pension Plan and Quebec Pension Plan benefit
cqpc27	Numeric	8.0	24	116	Economic family total - Canada & Quebec Pension Plan
earng27	Numeric	8.0	25	124	Economic family total - Earnings
eipr27	Numeric	8.0	26	132	Economic family total Employment Insurance contributions
fditx27	Numeric	8.0	27	140	Economic family total - Federal income tax
fmse27	Numeric	8.0	28	148	Economic family total - Farm self-employment net income
gstxc27	Numeric	8.0	29	156	Economic family total - Federal Goods and Services Tax/Harmonized Sales Tax Credit
gtr27	Numeric	8.0	30	164	Economic family total - Government transfers, federal & provincial
inctx27	Numeric	8.0	31	172	Economic family total - Income tax, federal plus provincial
inva27	Numeric	8.0	32	180	Economic family total - Investment income
licofa27	Character	1	33	188	Flag - Family after-tax income is below low income cut-off (LICO) in reference year
licofb27	Character	1	34	189	Flag - Family before tax income is below low income cut-off (LICO) in

Variable name	Type	Size	Field	Start position	Long name
					reference year
mbinc27	Numeric	8.0	35	190	Economic family total - Market Basket Measure (MBM) income
medx27	Numeric	8.0	36	198	Economic family total - Direct medical expenses
mjsif27	Character	2	37	206	Major source of income for economic family
mtinc27	Numeric	8.0	38	208	Economic family total - Market income
nfmse27	Numeric	8.0	39	216	Economic family total - Non-farm self-employment net income
oasgi27	Numeric	8.0	40	224	Economic family total - Old Age Security benefits
ottxm27	Numeric	8.0	41	232	Economic family total - Other income
pen27	Numeric	8.0	42	240	Economic family total - Private retirement pensions
phpr27	Numeric	8.0	43	248	Economic family total - Public health insurance premiums
pvitx27	Numeric	8.0	44	256	Economic family total - Provincial income tax
pvtxc27	Numeric	8.0	45	264	Economic family total - Provincial tax credits
rppc27	Numeric	8.0	46	272	Economic family total - Registered pension plan contributions
rspwi27	Numeric	8.0	47	280	Economic family total - Registered Retirement Savings Plan withdrawals
sapis27	Numeric	8.0	48	288	Economic family total - Social Assistance
semp27	Numeric	8.0	49	296	Economic family total - Self-employment net income
ttinc27	Numeric	8.0	50	304	Economic family total - Total income before taxes
udpd27	Numeric	8.0	51	312	Economic family total - Union dues and other professional premiums
uiben27	Numeric	8.0	52	320	Economic family total - Employment Insurance benefits
wgsal27	Numeric	8.0	53	328	Economic family total - Wages & salaries before deductions
wkrcp27	Numeric	8.0	54	336	Economic family total - Workers' compensation benefits
<b>03650 Personal characteristics - Family and household characteristics - Economic family - labour characteristics</b>					
alhpf27	Numeric	5.0	55	344	Total hours paid all jobs, economic family members, reference year

<b>Variable name</b>	<b>Type</b>	<b>Size</b>	<b>Field</b>	<b>Start position</b>	<b>Long name</b>
fmsaf27	Character	1	56	349	Flag - Family member received Social Assistance, reference year
fmuif27	Character	1	57	350	Flag - Family member received Employment Insurance during reference year
fmwcf27	Character	1	58	351	Flag - Family member received Worker's Compensation, reference year
nbear27	Numeric	2.0	59	352	Number of earners 16 or older in economic family in reference year
nbempd27	Numeric	2.0	60	354	Number of economic family members employed any time during reference year
nbfyft27	Numeric	2.0	61	356	Number economic family members in full-year full-time jobs, reference year
nbscft27	Numeric	2.0	62	358	Number of 16 years and over attending school full-time, reference year
nbscpt27	Numeric	2.0	63	360	Number in family 16 years and over in school part-time in reference year
nbsemp27	Numeric	2.0	64	362	Number of family members self-employed during reference year
nbunem27	Numeric	2.0	65	364	Number of family members unemployed during reference year
nbwke27	Numeric	3.0	66	366	Number of weeks employed, all family members, reference year
nbwkue27	Numeric	3.0	67	369	Weeks unemployed for all family members during reference year

**SLID Record Layout, 2006**  
**External Cross-Sectional Census Family File (ec2006cf)**

Variable name	Type	Size	Field	Start position	Long name
<b>01100 Sample control - Identifiers</b> puchid25	Character	7	1	1	Cross-sectional random household identifier
<b>01110 Sample control - Identifiers-Year</b> year99	Numeric	4.0	2	8	Reference year
<b>01120 Sample control- Identifiers- Economic Family</b> d31fam26	Character	2	3	12	Economic family identifier
<b>01125 Sample control - Identifiers- Census Family</b> d31cf26	Character	2	4	14	Census family identifier
<b>01200 Sample control - Weights</b> icswt26	Decimal	10.4	5	16	Regular cross-sectional weight
<b>03140 Personal characteristics- Demographics- Family situation</b> mjieh46	Character	1	6	26	Flag - Census family including major income earner of household, reference year
<b>03510 Personal characteristics- Geography - Geographic area</b> pvreg25	Character	2	7	27	Province of residence group, household, December 31, reference year
<b>03660 Personal characteristics- Family and household characteristics- Census family - size and type</b> agofm46	Numeric	3.0	8	29	Age of oldest person in census family
agofmg46	Character	2	9	32	Age group of oldest person in census family
agyfm46	Numeric	3.0	10	34	Age of youngest person in the census family
agyfmg46	Character	2	11	37	Age group of youngest person in census family
fcomp46	Character	2	12	39	Census family composition
fmsz46	Numeric	2.0	13	41	Number of census family members



Variable name	Type	Size	Field	Start position	Long name
<b>03670 Personal characteristics- Family and household characteristics- Census family - income</b>					
alimo46	Numeric	8.0	14	43	Census family total - Support payments received
alip46	Numeric	8.0	15	51	Census family total - Support payments paid
atinc46	Numeric	8.0	16	59	Census family total - After-tax income
capgn46	Numeric	8.0	17	67	Census family total - Taxable capital gains
ccar46	Numeric	8.0	18	75	Census family total - Childcare expenses
chfed46	Numeric	8.0	19	83	Census family total - Canada Child Tax Benefits
chprv46	Numeric	8.0	20	91	Census family total - Provincial program. General Child Tax Benefits
chtxb46	Numeric	8.0	21	99	Census fam. Total - Federal provincial Child Tax Benefit programs
cpqpp46	Numeric	8.0	22	107	Census family total - Canada & Quebec Pension Plan benefit
cqpc46	Numeric	8.0	23	115	Census family total - Canada & Quebec Pension Plan
earng46	Numeric	8.0	24	123	Census family - Total earnings
eipr46	Numeric	8.0	25	131	Census family total - Employment Insurance contributions
fditx46	Numeric	8.0	26	139	Census family total - Federal income tax
fmse46	Numeric	8.0	27	147	Census family total - Farm self-employment net income
gstxc46	Numeric	8.0	28	155	Census family total - Federal Goods and Services Tax/Harmonized Sales Tax Credit
gtr46	Numeric	8.0	29	163	Census family total - Government transfers, federal & provincial
inctx46	Numeric	8.0	30	171	Census family total - Income tax, federal plus provincial
inva46	Numeric	8.0	31	179	Census family total - Investment income
mbinc46	Numeric	8.0	32	187	Census family total - Market Basket Measure (MBM) income
medx46	Numeric	8.0	33	195	Census family total - Direct medical expenses
mjsif46	Character	2	34	203	Major source of income for census family
mtinc46	Numeric	8.0	35	205	Census family total - Market income
nfmse46	Numeric	8.0	36	213	Census family total - Non-farm self-employment net income

Variable name	Type	Size	Field	Start position	Long name
oasgi46	Numeric	8.0	37	221	Census family total - Old Age Security benefits
ottxm46	Numeric	8.0	38	229	Census family total - Other income
pen46	Numeric	8.0	39	237	Census family total - Private retirement pensions
phpr46	Numeric	8.0	40	245	Census family total - Public health insurance premiums
pvitx46	Numeric	8.0	41	253	Census family total - Provincial income tax
pvtxc46	Numeric	8.0	42	261	Census family total - Provincial tax credits
rppc46	Numeric	8.0	43	269	Census family total - Registered pension plan contributions
rspwi46	Numeric	8.0	44	277	Census family total - Registered Retirement Savings Plan withdrawals
sapis46	Numeric	8.0	45	285	Census family total - Social Assistance
semp46	Numeric	8.0	46	293	Census family total - Self-employment net income
ttinc46	Numeric	8.0	47	301	Census family total - Total income before taxes
udpd46	Numeric	8.0	48	309	Census family total - Union dues and other professional premiums
uiben46	Numeric	8.0	49	317	Census family total - Employment Insurance benefits
wgsal46	Numeric	8.0	50	325	Census family total - Wages & salaries before deductions
wkrcp46	Numeric	8.0	51	333	Census family total - Workers' compensation benefits
<b>03680 Personal characteristics- Family and household characteristics- Census family - labour characteristics</b>					
alhpf46	Numeric	5.0	52	341	Total hours paid all jobs, census family members, reference year
fmsaf46	Character	1	53	346	Flag - Census family member required Social Assistance, reference year
fmui46	Character	1	54	347	Flag - Census family received Employment Insurance during reference year
fmwcf46	Character	1	55	348	Flag - Census family received Worker's Compensation, reference year
nbear46	Numeric	2.0	56	349	Number of earners 16 or older in census family for reference year
nbemp46	Numeric	2.0	57	351	Number of census family members employed any time in reference year

<b>Variable name</b>	<b>Type</b>	<b>Size</b>	<b>Field</b>	<b>Start position</b>	<b>Long name</b>
nbfyft46	Numeric	2.0	58	353	Number of census family members in full-year/full-time jobs, reference year
nbscft46	Numeric	2.0	59	355	Number of census family members 16 years and older in census family in school full-time
nbscpt46	Numeric	2.0	60	357	Number in census family 16 years and older in school part-time, reference year
nbsemp46	Numeric	2.0	61	359	Number of census family members self-employed during reference year
nbunem46	Numeric	2.0	62	361	Number of census family members unemployed during reference year
nbwke46	Numeric	3.0	63	363	Number of weeks employed all census family during reference year
nbwkue46	Numeric	3.0	64	366	Weeks unemployed for all census family members in reference year

**Record Layout, 2006**  
**External Cross-Sectional Person File (ec2006pr)**

Variable name	Type	Size	Field	Start position	Long name
<b>01100 Sample control - Identifiers</b>					
pucpid26	Character	7	1	1	Cross-sectional random person identifier
puchid25	Character	7	2	8	Cross-sectional random household identifier
<b>01120 Sample control - Identifiers - Economic Family</b>					
d31fam26	Character	2	3	15	Economic family identifier
<b>01125 Sample control - Identifiers - Census Family</b>					
d31cf26	Character	2	4	17	Census family identifier
<b>01110 Sample control - Identifiers - Year</b>					
year99	Numeric	4.0	5	19	Reference year
<b>01200 Sample control - Weights</b>					
icswt26	Decimal	10.4	6	23	Regular cross-sectional weight
<b>03110 Personal characteristics - Demographics - Year of birth, sex and marital status</b>					
ecage26	Numeric	3.0	7	33	Person's age , reference year, external cross-sectional file
ecsex99	Character	1	8	36	Sex of respondent on external cross-sectional file
ecyob26	Numeric	4.0	9	37	Person's year of birth on external cross-sectional file
marst26	Character	2	10	41	Marital status of person as of December 31 of reference year
<b>03130 Personal characteristics - Demographics - Major activity and health</b>					
mjacg26	Character	1	11	43	Person's major activity during the reference year, group
<b>03200 Personal characteristics - Ethnocultural characteristics</b>					
immst15	Character	1	12	44	Flag - Person is an immigrant
yrimmg26	Character	1	13	45	Number of years since person immigrated to Canada, group

Variable name	Type	Size	Field	Start position	Long name
<b>03300 Personal characteristics - Activity limitations</b>					
disabs26	Character	1	14	46	Flag - Disability status for the reference year
<b>03510 Personal characteristics - Geography - Geographic area</b>					
pvreg25	Character	2	15	47	Province of residence group, household, December 31, reference year
uszga25	Character	1	16	49	Adjusted size of area of residence
<b>03610 Personal characteristics - Family and household characteristics - Household size and type</b>					
hhsz25	Numeric	2.0	17	50	Number of persons in household as of December 31 of reference year
hhcomp25	Character	1	18	52	Household composition as of December 31 of reference year
<b>03612 Personal characteristics - Family and household characteristics - Dwelling, housing</b>					
dwltyp25	Character	1	19	53	Type of dwelling
dwtenr25	Character	1	20	54	Ownership of dwelling
repa25	Character	1	21	55	Repairs dwelling needed
suit25	Character	1	22	56	Flag - Dwelling "suitable", according to National Occupancy Standard
<b>05110 Labour - Labour market activity patterns - Number of jobs and job change</b>					
multj28	Character	1	23	57	Flag - Multiple job holder in any month in reference year
nbjbs28	Numeric	2.0	24	58	Number of jobs held during reference year
<b>05120 Labour - Labour market activity patterns - Labour force status and main job</b>					
alfst28	Character	2	25	60	Annual labour force status
ml01v28	Character	2	26	62	Monthly labour force status: January
ml02v28	Character	2	27	64	Monthly labour force status: February
ml03v28	Character	2	28	66	Monthly labour force status: March
ml04v28	Character	2	29	68	Monthly labour force status: April

Variable name	Type	Size	Field	Start position	Long name
ml05v28	Character	2	30	70	Monthly labour force status: May
ml06v28	Character	2	31	72	Monthly labour force status: June
ml07v28	Character	2	32	74	Monthly labour force status: July
ml08v28	Character	2	33	76	Monthly labour force status: August
ml09v28	Character	2	34	78	Monthly labour force status: September
ml10v28	Character	2	35	80	Monthly labour force status: October
ml11v28	Character	2	36	82	Monthly labour force status: November
ml12v28	Character	2	37	84	Monthly labour force status: December
wksem28	Numeric	2.0	38	86	Total number of weeks employed during reference year
wksnlf28	Numeric	2.0	39	88	Total number of weeks not in the labour force during reference year
wksuem28	Numeric	2.0	40	90	Total number of weeks unemployed during reference year
<b>05130 Labour - Labour market activity patterns - Class of worker</b>					
fpdwb28	Character	1	41	92	Flag - Person was a paid worker during reference year
fsein28	Character	1	42	93	Flag - Self-employed incorporated job in reference year
fseui28	Character	1	43	94	Flag - Self-employed unincorporated job in reference year
<b>05140 Labour - Labour market activity patterns - Work schedule</b>					
alhrp28	Numeric	4.0	44	95	Total hours paid all jobs during reference year
mtlswk28	Numeric	3.0	45	99	Number of months since person last worked
scsum28	Character	2	46	102	Yearly summary of schedules of jobs during the reference year
<b>05150 Labour - Labour market activity patterns - Earnings</b>					
cmphrw28	Decimal	6.2	47	104	Composite hourly wage all paid jobs in reference year
rcvcmp28	Character	1	48	110	Flag - Received compensation during reference year
<b>05200 Labour - Work experience</b>					
yrxftel1	Numeric	2.0	49	111	Number of years of work experience, full-year full-time
<b>05410 Labour - Job characteristics - Dates and duration</b>					
jobdur1	Numeric	3.0	50	113	Duration of job up to the end of current reference year (months)

Variable name	Type	Size	Field	Start position	Long name
<b>05420 Labour - Job characteristics - Class of worker</b>					
clwkr1	Character	2	51	116	Class of worker in reference year
<b>05430 Labour - Job characteristics - Work schedule</b>					
fllprt1	Character	1	52	118	Flag - Job was full-time in reference year
reaisc1	Character	2	53	119	Reason for irregular work schedule at end of the year
reawpt1	Character	2	54	121	Reason why person worked less than 30 hours per week
scdtyp1	Character	2	55	123	Type of work schedule at end of year for given job
tothrp1	Numeric	4.0	56	125	Total hours paid at this job in reference year
typpt1	Character	1	57	129	Type of part-time work at this job for reference year
wkham1	Character	1	58	130	Flag - Person regularly worked at home for this job
hrwkham1	Decimal	5.1	59	131	Hours per week worked at home for job
<b>05440 Labour - Job characteristics - Occupation</b>					
nocg2e6	Character	2	60	136	National Occupational Classification for Statistics-2001 (25) at the end of reference year
<b>05460 Labour - Job characteristics - Wages and benefits</b>					
imphwe1	Decimal	6.2	61	138	Hourly wage at end of job or end of reference year
penpln1	Character	1	62	144	Flag - Has pension plan with this job in reference year
uncoll1	Character	1	63	145	Flag - Union member or covered by collective agreement
<b>05470 Labour - Job characteristics - Employer attributes</b>					
muloc10	Character	1	64	146	Flag - Employer operates at more than one location
nic3g10	Character	2	65	147	North American Industry Classification System 2002 (16)
nbema10	Character	1	66	149	Number of employees at all locations
nbempl1	Character	1	67	150	Number of employees at person's place of work

Variable name	Type	Size	Field	Start position	Long name
pubpv10	Character	1	68	151	Flag - Employer is in public or private sector
<b>07100 Financial situation - Income sources</b>					
alimo42	Numeric	8.0	69	152	Support payments received
alip42	Numeric	8.0	70	160	Support payments paid
atinc42	Numeric	8.0	71	168	After-tax income
capgn42	Numeric	8.0	72	176	Taxable capital gains
ccar42	Numeric	8.0	73	184	Child care expenses
chfed42	Numeric	8.0	74	192	Total of federal child benefits (Canada Child Tax Benefit (CCTB), Working Income Supplement (WIS), National Child Benefit Supplement (NCBS))
chprv42	Numeric	8.0	75	200	Total provincial child benefits
chtxb42	Numeric	8.0	76	208	Total federal & provincial child benefits
cpqpp42	Numeric	8.0	77	216	Canada Pension Plan and Quebec Pension Plan benefits
cqpc42	Numeric	8.0	78	224	Canada and Quebec Pension Plan contributions
earn42	Numeric	8.0	79	232	Earnings
eipr42	Numeric	8.0	80	240	Employment Insurance contributions
fditx42	Numeric	8.0	81	248	Federal income tax
fmse42	Numeric	8.0	82	256	Farm self-employment net income including farm program
gstxc42	Numeric	8.0	83	264	Federal Goods and Services Tax/Harmonized Sales Tax Credit, excludes provincial sales tax credit
gtr42	Numeric	8.0	84	272	Government transfers, federal and provincial
inctx42	Numeric	8.0	85	280	Income tax, federal plus provincial
inva42	Numeric	8.0	86	288	Investment income
majri42	Character	2	87	296	Major source of income
mbinc42	Numeric	8.0	88	298	Disposable income for Market basket measure of poverty
medx42	Numeric	8.0	89	306	Direct medical expenses
mtinc42	Numeric	8.0	90	314	Market income
nfmse42	Numeric	8.0	91	322	Non-farm self-employment net income
oasgi42	Numeric	8.0	92	330	Total of Old Age Security benefits
ottxm42	Numeric	8.0	93	338	Other (other) income
pen42	Numeric	8.0	94	346	Private retirement pensions
phpr42	Numeric	8.0	95	354	Public health insurance premiums
pvitx42	Numeric	8.0	96	362	Provincial income tax
pvtxc42	Numeric	8.0	97	370	Provincial tax credits
rppc42	Numeric	8.0	98	378	Registered pension plan contributions
rspiwi42	Numeric	8.0	99	386	Registered Retirement Savings Plan withdrawals



Variable name	Type	Size	Field	Start position	Long name
sapis42	Numeric	8.0	100	394	Social Assistance
semp42	Numeric	8.0	101	402	Self-employment net income
ttinc42	Numeric	8.0	102	410	Total income before taxes
udpd42	Numeric	8.0	103	418	Union dues (and other professional premiums)
uiben42	Numeric	8.0	104	426	Employment Insurance benefits
wgsal42	Numeric	8.0	105	434	Wages and salaries before deductions
wkrpc42	Numeric	8.0	106	442	Workers' compensation benefits
<b>09100 Education - Educational activity</b>					
atbus20	Character	1	107	450	Flag - Attended business or commercial school in reference year
atcc20	Character	1	108	451	Flag - attended a community college or institute of applied arts and technology in reference year
atcegp20	Character	1	109	452	Flag - Attended CEGEP (general and vocational college) in reference year
atelhi20	Character	1	110	453	Flag - Attended high school in reference year
attrd20	Character	1	111	454	Flag - Person attended trade school in reference year
atuniv20	Character	1	112	455	Flag - Person attended university in reference year
cmphi20	Character	1	113	456	Flag - Person completed high school in reference year
flprt20	Character	1	114	457	Flag - Person full-time student during reference year
rccoll20	Character	1	115	458	Flag - Received a certificate or diploma from a community college, business school, trade or vocational school or CEGEP (general and vocational college) during the reference year
rcuniv20	Character	1	116	459	Flag - Received a university degree, certificate or diploma during the reference year.
studtf26	Character	1	117	460	Flag - Attending school, college, CEGEP (general and vocational college) or university in the reference year
<b>09210 Education - Level of schooling - Attainment</b>					
cmphi18	Character	1	118	461	Flag - Person completed high school
dgcoll18	Character	1	119	462	Flag - Ever received non-university post-secondary certificate/diploma

<b>Variable name</b>	<b>Type</b>	<b>Size</b>	<b>Field</b>	<b>Start position</b>	<b>Long name</b>
dguniv18	Character	1	120	463	Flag - Ever received a university degree, certificate or diploma (from below baccalaureate degree (B.A.) to doctor's degree (Ph.D.))
encoll18	Character	1	121	464	Flag - Ever enrolled non-university training
enuniv18	Character	1	122	465	Flag - Person has ever enrolled in university
hlevel18	Character	2	123	466	Highest level of education of person, 1st grouping
yrcoll18	Decimal	4.1	124	468	Number of Years completed at a community college, technical institute, trade or vocational school, or CEGEP (general and vocational college)
yrelhi18	Decimal	4.1	125	472	Number of years completed at elementary & high school
yrpsec18	Decimal	4.1	126	476	Number of years of postsecondary schooling completed
yrrnug18	Character	2	127	480	Year received recent non-university postsecondary diploma, 5 year intervals, group
yrrung18	Character	2	128	482	Year received highest university degree, 5 year intervals, group
yrschl18	Decimal	4.1	129	484	Number of years of schooling completed by person (elementary, high school, post-secondary)
yruniv18	Decimal	4.1	130	488	Number of years of university person has completed