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**1986 CENSUS**

***PUBLIC USE MICRODATA FILE***

***ON INDIVIDUALS***

***Documentation and User's Guide***  
***(Final Version)***

***June 1990***

***La version française est disponible sur demande***  
***(Fichier de microdonnées à grande diffusion sur les***  
***particuliers).***

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## **Introduction**

The Public Use Microdata File on Individuals is a product of the 1986 Census of Population and contains a wide range of statistical data on the population of Canada, the provinces and selected metropolitan areas.

These data are based on a sample of 500,000 individuals, that is, approximately 2% of the Canadian population. Extensive demographic, social and economic information such as age, income, schooling and ethno-cultural characteristics are provided.

This file is unique among census products since it allows the users to return to the base unit of the census, enabling them to group data to suit their own requirements. As a result, it is a powerful analytical and research tool.

Because it is imperative for Statistics Canada to preserve the confidentiality of the data, some of the information collected during the census are not available in this file.

This document informs users of the content of the file and how to use the computer tape. The reader will also find information on the characteristics of the sample, along with notes on the reliability of the estimates it provides.

Two other microdata files from the 1986 Census are also available, one of households and housing, and the other on families. Similar files may be obtained for the 1971, 1976 and 1981 Censuses. Chapter 3 provides additional information on these and other products and how to order them.

## **Chapter 1 - Content**

This chapter lists and describes the 84 variables contained in the Public Use Microdata File on Individuals. The record layout of the file is contained in Appendix A.

### **Overview of the Contents**

The index lists each variable by order of appearance in the file (page 9) and by alphabetical order (page 13).

### **Description of Variables**

The reader will also find in this chapter detailed information on each variable. In particular, a description of:

- the concept
- the universe (the group covered as well as all exclusions)
- the categories of a variable.

### **Confidentiality of Data**

It is imperative that Statistics Canada preserve the confidentiality of the information collected. Considering the nature of the microdata file, special measures must be taken to meet this objective:

- (i) **Reduced Level of Detail:** Data for small geographic areas are not given. It is also not possible to provide as detailed information on characteristics of individuals as in other census products. Some data have been aggregated, providing the maximum detail without disclosure, while maintaining the analytical value of the data. For example, the variable "Occupation" would not indicate "Physician", but rather the more general classification "Medical and Health Occupations". This category would include other medical occupations, such as "Nurse".
- (ii) **Data Suppression:** To further protect the confidentiality of responses, categories which contain few persons must occasionally be suppressed. In these cases, the label "Not Available" is included in the description of the variable. In addition to suppression, other special techniques are applied. Income data are rounded to respect pre-established high and low revenue limits. Further information on income data is provided in Chapter 2.

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**Data Set Name: Individual File**

**PROV - Field 1**

**Province**

The province refers to the major political division of Canada.

Reported for: Total population

<b>Code</b>	<b>Description</b>
10	Newfoundland
11	Prince Edward Island
12	Nova Scotia
13	New Brunswick
24	Quebec
35	Ontario
46	Manitoba
47	Saskatchewan
48	Alberta
59	British Columbia
60	Yukon and Northwest Territories

**Data Set Name: Individual File**

**CMAPUST - Field 2**

**Census Metropolitan Area**

A CMA (census metropolitan area) is the main labour market area of an urbanized core (or continuously built-up area) having 100,000 or more population. CMAs are created by Statistics Canada and are usually known by the name of the urban area forming their urbanized core. CMAs are comprised of complete municipalities (or census subdivisions).

Reported for: Total population

<b>Code</b>	<b>Description</b>
000	Not applicable
462	Montréal
505	Ottawa-Hull
535	Toronto
599	Hamilton, Kitchener and St. Catharines-Niagara
602	Winnipeg
799	Regina and Saskatoon
825	Calgary
835	Edmonton
933	Vancouver

**Data Set Name: Individual File**

**HHCLASS - Field 3**

**Household Classification**

**HOUSEHOLD**

Refers to a person or group of persons (other than foreign residents) who occupy a dwelling and do not have a usual place of residence elsewhere in Canada. It usually consists of a family group with or without lodgers, employees, etc. However, it may consist of two or more families sharing a dwelling, a group of unrelated persons, or one person living alone. Household members who are temporarily absent on Census Day are considered as part of their usual household. For census purposes, every person is a member of one and only one household.

**PRIVATE HOUSEHOLD**

Refers to a person or group of persons (other than foreign residents) who occupy a private dwelling and do not have a usual place of residence elsewhere in Canada.

**OTHER HOUSEHOLDS**

Refers to persons who occupy a collective dwelling and do not have a usual place of residence elsewhere in Canada and to persons residing together outside Canada on government, military or diplomatic postings.

**Reported for: Total population.**

<b>Code</b>	<b>Description</b>
1	Private household
2	Other households

**Data Set Name: Individual File**

**HTYPE - Field 4**

**Household Type**

Refers to the basic division of private households into FAMILY and NON-FAMILY HOUSEHOLDS. FAMILY HOUSEHOLD refers to a household that contains at least one census family (e.g., persons living in the same dwelling who have a husband-wife or parent-never-married child relationship). ONE-FAMILY HOUSEHOLD refers to a single census family that occupies one private dwelling. The family may be that of a person responsible for household payments (primary family) or a family in which the person responsible for household payments is not a member (secondary family). A MULTIPLE-FAMILY HOUSEHOLD is one in which two or more census families occupy the same private dwelling. Additional persons may or may not be present in such a household.

NON-FAMILY HOUSEHOLD refers to one person who lives alone in a private dwelling, or to a group of persons who occupy a private dwelling and do not constitute a census family.

Reported for: Population in private households.

Code	Description	Includes
00	Not applicable	Persons in collectives, persons in households outside Canada and temporary residents.
	Family households	
	One-family households	
	Primary family households	
	Husband-wife family	
	Without children	
01	Without additional persons	
02	With additional persons	
	With Children	
03	Without additional persons	
04	With additional persons	



Code	Description	Includes
	Lone-parent family	
05	Without additional persons	
06	With additional persons	
	Secondary family households	
	Husband-wife family	
07	Without children	
08	With children	
09	Lone-parent family	
10	Multiple-family households	
	Non-family households	
11	One person only	
12	Two or more persons	

**Data Set Name: Individual File**

**#UNITSP - Field 5**

**Household Size**

Refers to the number of persons in a PRIVATE HOUSEHOLD.

Reported for: Population in private households.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
0	Not applicable	Persons in collectives, persons in households outside Canada, and temporary residents.
1	One person	
2	Two persons	
3	Three persons	
4	Four persons	
5	Five persons	
6	Six persons	
7	Seven persons	
8	Eight or more persons	

**Data Set Name: Individual File**

**HHINCP - Field 6**

**Total Household Income Groups**

The total income of a household is the sum of the total incomes of all members of that household 15 years of age and over. (See also remarks under Total Income)

Reported for: Population in private households.

Code	Description	
	L1*	L2*
00	Not Applicable**	Not Applicable**
01	Loss	Loss
02	No income	No income
03	\$ 1 - \$ 999	\$ 1 - \$ 999
04	1,000 - 1,999	1,000 - 1,999
05	2,000 - 2,999	2,000 - 2,999
06	3,000 - 3,999	3,000 - 3,999
07	4,000 - 4,999	4,000 - 4,999
08	5,000 - 5,999	5,000 - 5,999
09	6,000 - 6,999	6,000 - 6,999
10	7,000 - 7,999	7,000 - 7,999
11	8,000 - 8,999	8,000 - 8,999
12	9,000 - 9,999	9,000 - 9,999
13	10,000 - 11,999	10,000 - 11,999
14	12,000 - 14,999	12,000 - 14,999
15	15,000 - 19,999	15,000 - 19,999
16	20,000 - 24,999	20,000 - 24,999
17	25,000 - 29,999	25,000 - 29,999
18	30,000 - 39,999	30,000 - 39,999
19	40,000 - 49,999	40,000 - 49,999
20	50,000 - 74,999	50,000 - 74,999
21	75,000 - 99,999	75,000 - 99,999
22	100,000 or more	100,000 - 139,999
23	-	140,000 or more

\* For a description of income limits (L1, L2) see Chapter 2.

\*\* Includes persons in collectives, persons in households outside Canada and temporary residents.

**Data Set Name: Individual File**

**OMPP - Field 7**

**Owner's Major Payments (Monthly)**

Refers to the total average monthly payments made by owner households to secure shelter.

Reported for: Population in private households, excluding farms, reserves, and tenant-occupied dwellings.

Code	Description	Includes
00	Not applicable	Persons in farm dwellings, persons in tenant-occupied dwellings, persons in collectives, persons in households outside Canada, persons on reserves and temporary residents.
01	Less than \$100	
02	\$100 - \$199	
03	200 - 299	
04	300 - 399	
05	400 - 499	
06	500 - 599	
07	600 - 699	
08	700 - 799	
09	800 - 899	
10	900 - 999	
11	1,000 - 1,099	
12	1,100 and over	

**Data Set Name: Individual File**

**GROS RTP - Field 8**

**Monthly Gross Rent**

Refers to the total average monthly payments paid by tenant households to secure shelter.

Reported for: Population in private households, excluding farms, reserves and owner-occupied dwellings.

Code	Description	Includes
0	Not applicable	Persons in farm dwellings, persons in owner-occupied dwellings, persons in collectives, persons in households outside Canada, persons on reserves and temporary residents.
1	Less than \$100	
2	\$100 - \$199	
3	200 - 299	
4	300 - 399	
5	400 - 499	
6	500 - 599	
7	600 - 799	
8	800 - 999	
9	1,000 and over	

**Data Set Name: Individual File**

**RENTP - Field 9**

**Monthly Cash Rent**

Refers to the regular monthly cash rent paid by tenant households.

Reported for: Population in private households, excluding farms, reserves and owner-occupied dwellings.

Code	Description	Includes
00	Not applicable	Persons in farm dwellings, persons in owner-occupied dwellings, persons in collectives, persons in households outside Canada, persons on reserves and temporary residents.
01	Less than \$150	
02	\$150 - \$199	
03	200 - 249	
04	250 - 299	
05	300 - 349	
06	350 - 399	
07	400 - 499	
08	500 - 699	
09	700 - 799	
10	800 and over	

**Data Set Name: Individual File**

**EFSTAT - Field 10**

**Economic Family Status**

Refers to the classification of the population in terms of whether or not they are members of an economic family. Economic family persons are members of the same household who are related to each other by blood, marriage, adoption or common-law. Unattached individuals are household members who are not members of an economic family. (For complete definition of Economic Family Status, see 1986 Census Dictionary.) A further breakdown of Economic Family Persons is indicated by the classes below:

Reported for: Population in private households.

Code	Description	Includes
0	Not applicable	Persons in collectives, persons in households outside Canada and temporary residents.
1	Unattached Individual	
2	Economic family person but not census family person	
3	Economic family person and census family person in economic family with no non-census family persons	
4	Economic family person and census family person in economic family with some non-census family persons	

**Data Set Name: Individual File**

**EFSIZE - Field 11**

**Number of Persons in Economic Family**

Refers to the number of persons in the economic family in which the individual being considered is a member.

Reported for: Population in private households.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
0	Not applicable	Persons in collectives, persons in households outside Canada and temporary residents.
1	Unattached Individual	
	Persons in economic family:	
2	Two persons	
3	Three persons	
4	Four persons	
5	Five persons	
6	Six persons	
7	Seven persons	
8	Eight or more persons	



**Data Set Name: Individual File**

**CFSTAT - Field 12**

**Census Family Status and Living Arrangements**

Refers to the classification of the population into family and non-family persons. Family persons are household members who belong to a census family (who live in the same dwelling and have a husband-wife or parent-never-married child relationship). Non-family persons are household members who do not belong to a census family. These categories can be further broken down as indicated by the classes below. (For complete definition of Census Family Status and Living Arrangements, see 1986 Census Dictionary.)

Reported for: Population in private households.

Code	Description	Includes
00	Not applicable	Persons in collectives, persons in households outside Canada and temporary residents.
	Census family person	
01	Husband or male common-law partner	
02	Wife or female common-law partner	
03	Child in a husband-wife family	
04	Male lone parent	
05	Female lone parent	
06	Child in a lone-parent family-male parent	
07	Child in a lone-parent family-female parent	
	Non-census family person	
08	Living with relatives	May also include non-relatives.
09	Living with non-relatives only	
10	Living alone	

**Data Set Name: Individual File**

**CPSIZE - Field 13**

**Number of Persons in Census Family**

Refers to the number of persons in the census family in which the individual being considered is a member.

Reported for: Population in private households.

Code	Description	Includes
0	Not applicable	Persons in collectives, persons in households outside Canada and temporary residents.
1	Non-family person	
	Persons in census family:	
2	Two persons	
3	Three persons	
4	Four persons	
5	Five persons	
6	Six persons	
7	Seven persons	
8	Eight or more persons	

**Data Set Name: Individual File**

**MSCFINC - Field 14**

**Major Source of Census Family Income**

The major source of income of census families indicates that income component which constitutes the largest proportion of the total income of a census family. The amounts of income in various sources of income were combined into five components as follows: wages and salaries, self-employment (non-farm and farm), government transfer payments, investment income and other income (retirement pensions and other money income). The absolute values for these components were compared and the component with the largest absolute value was designated as the major source of income.

Reported for: Persons in census families in private households.

Code	Description	Includes
0	Not applicable	Persons in collectives, persons in households outside Canada, temporary residents and non-family persons.
1	No income	
2	Wages and salaries	
3	Self-employment income	
4	Government transfer payments	
5	Investment income	
6	Other income	

**Data Set Name: Individual File**

**CFINCP - Field 15**

**Total Census Family Income Groups**

The total income of a census family is the sum of the total incomes of individuals 15 years of age and over that are members of the family.  
(See also remarks under Total Income)

Reported for: Population in census families in private households.

Code	Description	
	L1*	L2*
00	Not Applicable**	Not Applicable**
01	Loss	Loss
02	No income	No income
03	\$ 1 - \$ 999	\$ 1 - \$ 999
04	1,000 - 1,999	1,000 - 1,999
05	2,000 - 2,999	2,000 - 2,999
06	3,000 - 3,999	3,000 - 3,999
07	4,000 - 4,999	4,000 - 4,999
08	5,000 - 5,999	5,000 - 5,999
09	6,000 - 6,999	6,000 - 6,999
10	7,000 - 7,999	7,000 - 7,999
11	8,000 - 8,999	8,000 - 8,999
12	9,000 - 9,999	9,000 - 9,999
13	10,000 - 11,999	10,000 - 11,999
14	12,000 - 14,999	12,000 - 14,999
15	15,000 - 19,999	15,000 - 19,999
16	20,000 - 24,999	20,000 - 24,999
17	25,000 - 29,999	25,000 - 29,999
18	30,000 - 39,999	30,000 - 39,999
19	40,000 - 49,999	40,000 - 49,999
20	50,000 - 74,999	50,000 - 74,999
21	75,000 - 99,999	75,000 - 99,999
22	100,000 or more	100,000 - 139,999
23	-	140,000 or more

\* For a description of income limits (L1, L2) see Chapter 2.

\*\* Includes persons in collectives, persons in households outside Canada, temporary residents and non-family persons.

**Data Set Name: Individual File**

**HHSTAT - Field 16**

**Household Status - Relationship to Household  
Reference Person (Person 1)**

Refers to the relationship of household members to the household reference person (Person 1). A person may be related to Person 1 through blood, marriage, adoption or common-law (e.g., husband or wife, son or daughter, father or mother, etc.) or unrelated to Person 1 (e.g., lodger, room-mate, employee, etc.). (For complete definition of Household Status, see 1986 Census Dictionary).

Reported for: Total population

Code	Description	Includes
01	Person 1	
02	Person 1's Spouse	Husband, wife or common-law partner.
03	Person 1's Son or Daughter	
04	Person 1's Father or Mother	
05	Person 1's Brother or Sister	
06	Person 1's Son-in-law or Daughter-in-law	
07	Person 1's Father-in-law or Mother-in-law	
08	Person 1's Brother-in-law or Sister-in-law	
09	Person 1's Grandchild	
10	Person 1's Nephew or Niece	
11	Other Relatives of Person 1	Aunts, uncles, grandparents, etc. - including their respective spouses and children, if applicable.
12	Persons not related to Person 1	Lodgers, room-mates, employees, etc. - including their respective spouses and children, if applicable.

**Data Set Name: Individual File**

**AGEP - Field 17**

**Age**

Refers to age at last birthday (as of the census reference date, June 3, 1986). This variable is derived from date of birth.

Reported for: Total population

<b>Code</b>	<b>Description</b>
-------------	--------------------

Single years of age from 0 to 84.

85	85 years of age and over
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**Data Set Name: Individual File**

**SEXP - Field 18**

**Sex**

Refers to the gender of the respondent.

Reported for: Total population

<b>Code</b>	<b>Description</b>
1	Female
2	Male

**Data Set Name: Individual File**

**MARSTP - Field 19**

**Marital Status**

Refers to the conjugal status of a person.

Reported for: Total population

<b>Code</b>	<b>Description</b>
1	Divorced
2	Now married
3	Separated
4	Never married (Single)
5	Widowed



**Data Set Name: Individual File**

**MOB5P - Field 20**

**Mobility Status (Place of Residence on June 1, 1981)**

Refers to the relationship between a person's usual place of residence on Census Day and his/her usual place of residence five years earlier. On the basis of this relationship, the population is classified as NON-MOVERS and MOVERS (MOBILITY STATUS). Within the category MOVERS, a further distinction is made between NON-MIGRANTS and MIGRANTS (MIGRATION STATUS).

NON-MOVERS are persons who, on Census Day, were living in the same dwelling they occupied five years earlier.

MOVERS are persons who, on Census Day, were living in a different dwelling than the one occupied five years earlier.

NON-MIGRANTS are movers who, on Census Day, were living within the same census subdivision(CSD) they resided in five years earlier.

MIGRANTS are movers who, on Census Day, were residing in a different CSD within Canada five years earlier (INTERNAL MIGRANTS) or who were living outside Canada five years earlier (EXTERNAL MIGRANTS).

Reported for: Population 5 years of age and over residing in Canada, excluding institutional residents.

Code	Description	Includes
0	Not applicable	Persons in households outside Canada and persons under 5 years.
1	Same dwelling	
2	Different dwelling, same census subdivision (CSD)	
3	Different CSD, same census division (CD)	
4	Different CD, same province	
5	Different province	
6	Outside Canada	

**NOTE:** All geographic areas reflect their 1986 boundaries, even when referred to as places of residence in 1981. This applies to all geostatistical areas that are subject to boundary changes between censuses.

The various mobility status or migration status categories are defined as follows:

MOBILITY STATUS UNIVERSE	- MOB5P EQ 1 to 6
NON-MOVERS	- MOB5P EQ 1
MOVERS	- MOB5P EQ 2 to 6
NON-MIGRANTS	- MOB5P EQ 2
MIGRANTS	- MOB5P EQ 3 to 6
INTERNAL MIGRANTS	- MOB5P EQ 3 to 5
EXTERNAL MIGRANTS	- MOB5P EQ 6
MOBILITY STATUS UNIVERSE EXCLUSIONS	- MOB5P EQ 0

**Data Set Name: Individual File**

**PR5P - Field 21**

**Province of Residence 5 Years Ago**

Refers to the person's usual province of residence on June 1, 1981, five years prior to Census Day. This concept applies only to the mobility status universe (see Field MOB5P documentation).

Reported for: Internal migrants 5 years of age and over.

Code	Description	Includes
00	Not applicable	Non-movers, non-migrants, external migrants, persons under 5 years and persons in households outside Canada.
01	Lived in Newfoundland 5 years ago	
02	Lived in Prince Edward Island 5 years ago	
03	Lived in Nova Scotia 5 years ago	
04	Lived in New Brunswick 5 years ago	
05	Lived in Quebec 5 years ago	
06	Lived in Ontario 5 years ago	
07	Lived in Manitoba 5 years ago	
08	Lived in Saskatchewan 5 years ago	
09	Lived in Alberta 5 years ago	
10	Lived in British Columbia 5 years ago	
11	Lived in Yukon or N.W.T. 5 years ago	

**Data Set Name: Individual File**

**LFACT71 - Field 22**

**Labour Force Activity (Based on 1971 Definition)**

Refers to the labour market activity of the population 15 years of age and over, excluding institutional residents, who, in the week prior to enumeration (June 3, 1986) were employed or unemployed according to the 1971 definition. The remainder of the working age population is classified as Not in the Labour Force.

**Employed:**

The employed includes those persons who during the week prior to enumeration:

- (a) worked for pay or profit either for someone else or for themselves (armed forces and civilian); or
- (b) were employed in unpaid family work; or
- (c) had a job but were not at work (armed forces and civilian).

**Unemployed:**

The unemployed includes those persons who during the week prior to enumeration:

- (a) were without work but had looked for work in the past four weeks. (For comparison purposes note that the 1971 data includes only those persons who looked for work in the last week.);
- (b) had been on lay-off from a job to which they expect to return. (For comparison purposes note that the 1971 data includes only those persons who reported that they had a job from which they were on temporary lay-off for not more than 30 days.).

**Not in the labour force:**

Refers to persons who did not work for pay or profit, were not employed in unpaid family work, did not look for work, were not on temporary lay-off and did not have a job from which they were absent in the week prior to enumeration. Note that in 1971, institutional residents were included in this category. In 1981 and 1986 they are excluded.

The various labour force groups can be obtained by combining the codes in the following manner:

Total labour force	codes 1 to 6
Employed labour force	codes 1, 2, 6
Unemployed labour force	codes 3, 4, 5,
Not in the labour force	codes 7
Not applicable	codes 0

Reported for: Population 15 years of age and over, excluding institutional residents.

Code	Description	Includes
0	Not applicable	Persons under 15 years
1	Employed for pay or profit	
2	Employed - Unpaid family work	
3	Unemployed - Looked for work - Experienced	
4	Unemployed - Looked for work - Inexperienced	
5	Unemployed - Lay-off	
6	Employed - Absent	
7	Not in labour force	

Users should note the following when using this variable:

In the 1981 defined data, school attendance information as well as the availability question itself were used to determine the availability of persons on lay-off. In 1986, only the availability question was used as school attendance information was not collected.

This 1971 definition was formulated to facilitate comparisons of the labour force and the employed with 1971 data. Since most of the differences affect the unemployed (which is only a relatively small segment of the labour force) and as no adjustment could be made to accommodate some of these differences (e.g. the change from a one to four week reference period for looking, the possible effect on response of the presence on the questionnaire of the new job and availability questions) users are cautioned that comparisons of unemployment data even using this definition may not be valid.

**Data Set Name: Individual File**

**LFACT - Field 23**

### **Labour Force Activity**

Refers to the labour market activity of the population 15 years of age and over, excluding institutional residents, who, in the week prior to enumeration (June 3, 1986) were Employed, Unemployed or Not in the Labour Force.

#### **Employed:**

The Employed includes those persons who, during the week prior to enumeration:

- (a) did any work at all excluding housework or other maintenance or repairs around the home and volunteer work; or
- (b) were absent from their jobs or businesses because of own temporary illness or disability, vacation, labour dispute at their place of work, or were absent for other reasons.

#### **Unemployed:**

The Unemployed includes those persons who, during the week prior to enumeration:

- (a) were without work, had actively looked for work in the past four weeks and were available for work; or
- (b) had been on lay-off and expected to return to their job; or
- (c) had definite arrangements to start a new job in four weeks or less.

#### **Not in the Labour Force:**

The Not in Labour Force classification refers to those persons, who, in the week prior to enumeration, were unwilling or unable to offer or supply their labour services under conditions existing in their labour markets. It includes persons who looked for work during the last four weeks but who were not available to start work in the reference week as well as persons who did not work, did not have a new job to start in four weeks or less, were not on temporary layoff or did not look for work in the four weeks prior to enumeration.

Questions 25 and 26 are the primary sources of data used in the creation of this variable. The various labour force groups can be obtained by combining the codes in the following manner.

Total labour force	codes 01 to 10
Employed labour force	codes 01 to 02
Unemployed labour force	codes 03 to 10
Not in the labour force	codes 11 to 14

Persons under 15 years of age are included in the "Not applicable" category.

Reported for: Population 15 years of age and over, excluding institutional residents.

Code	Description	Includes
00	Not applicable	Persons under 15 years.
01	Employed - Worked	
02	Employed - Absent	
03	Unemployed - Lay-off - Did not look	
04	Unemployed - Lay-off - Looked full-time	
05	Unemployed - Lay-off - Looked part-time	
06	Unemployed - New job - Did not look	
07	Unemployed - New job - Looked full-time	
08	Unemployed - New job - Looked part-time	
09	Unemployed - Looked full-time	
10	Unemployed - Looked part-time	
11	Not in labour force - Last worked in 1986	
12	Not in labour force - Last worked in 1985	
13	Not in labour force - Last worked prior to 1985	
14	Not in labour force - Never worked	

**Note:** In 1986, there was a probable overcount of persons on temporary layoff. Users are cautioned against using codes 03, 04, and 05 individually.

**Special Note:** The census labour force activity concepts have not changed between 1981 and 1986. However, the processing of the data was modified causing some differences. In the 1986 Census, contrary to previous censuses, a question on school attendance was not asked. This question was used to edit the labour force activity variable, specifically the unemployment. Consequently, the processing differences affect the unemployed population and are mostly concentrated among the 15-19-year age group.

**Data Set Name: Individual File**

**HRSWK - Field 24**

**Hours Worked in Reference Week**

Refers to the actual number of hours that persons 15 years of age and over, excluding institutional residents, worked in the week prior to enumeration. It includes working for wages, salary, tips or commission, working in their own business, farm or professional practice, or working without pay in a family business or farm owned or operated by a relative living in the same household. "Work" excludes housework or other maintenance or repairs around the home and volunteer work.

Reported for: Population 15 years of age and over, excluding institutional residents.

Codes	Description	Includes
999	Not applicable	Persons under 15 years.
000	Number of hours = 000	
Actual number of hours from 001 to 099		
100	Number of hours $\geq$ 100	



**Data Set Name: Individual File**

**LSTWKP - Field 25**

**When Last Worked**

Refers to the year or period in which a person 15 years of age and over, excluding institutional residents, last worked at all, even for a few days. "Work" excludes housework or other maintenance or repairs around the home and volunteer work.

Reported for: Population 15 years of age and over, excluding institutional residents.

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
0	Not applicable	Persons under 15 years.
1	Before 1985	
2	In 1985	
3	In 1986	
4	Never worked	

**Data Set Name: Individual File**

**WKSWK - Field 26**

**Weeks Worked in 1985**

Refers to the number of weeks in 1985 during which a person 15 years of age and over, excluding institutional residents, worked even if for only a few hours. It includes weeks of vacation or sick leave with pay or paid absence on training courses. "Work" excludes housework or other maintenance or repairs around the home and volunteer work.

Reported for: Population 15 years of age and over, excluding institutional residents.

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
99	Not applicable	Never worked, worked before 1985 and persons under 15 years.
00	Number of weeks = 00	Worked in 1986 only.

Actual number of weeks worked from 01 to 52

**Note:** Since there is strong evidence that a considerable number of full-year workers excluded (contrary to instructions) their paid vacation or sick leave it is suggested that weeks 49 to 52 be collapsed in using these data.

**Data Set Name: Individual File**

**FPTWK - Field 27**

**Full-time or Part-time Weeks Worked in 1985**

Refers to persons 15 years of age and over, excluding institutional residents, who worked in 1985, who were asked to report whether the weeks they worked in 1985 were full weeks of work or weeks in which they worked only part of a week. Persons with a part-time job for part of the year and a full-time job for another part of the year were to report the information for the job at which they worked the most weeks.

Reported for: Population 15 years of age and over, excluding institutional residents, who worked in 1985.

Codes	Description	Includes
0	Not applicable	Persons under 15 years, and persons with no weeks worked in 1985.
1	Full-time	
2	Part-time	

Remarks: No special definition was given to respondents for full time because of the varying hours considered as full time in different occupations and industries. For this reason, full-time data should not be interpreted in terms of specific hours. Part-time work is that work which is less than the normally scheduled weekly hours of work performed by persons doing similar work.

**Data Set Name: Individual File**

**PRESCHP - Field 28**

**Presence of Children**

Refers to the presence and age characteristics of children in the household for females 15 years of age and over.

Reported for: Females 15 years and over in private households.

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
0	Not applicable	Persons in collectives, persons in households outside Canada, temporary residents, males, females under 15 years.
1	No children present	
2	At least one child LT 2, none GT 5	
3	None LT 2, at least one 2-5, none GT 5	
4	At least one LT 6, some GT 5	
5	None LT 6, at least one 6-14	
6	None LT 15, at least one GT 14	

**Data Set Name: Individual File**

**OCC81P - Field 29**

**Occupation (1980 Classification Basis)**

This refers to the kind of work the person was doing during the reference week, as determined by their reporting of their kind of work and the description of the most important duties. If the person did not have a job during the week prior to enumeration, the data relate to the job of longest duration since January 1, 1985. Persons with two or more jobs were to report the information for the job at which they worked the most hours.

**Reported for:** Persons 15 years of age and over who worked since January 1, 1985.

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
00	Not applicable	Persons under 15 years and persons who have not worked since January 1, 1985.
01	Managerial, administrative and related occupations	Major group 11
02	Occupations in natural sciences, engineering and mathematics	Major group 21
03	Occupations in social sciences and related fields	Major group 23
04	Teaching and related occupations	Major group 27
05	Occupations in medicine and health	Major group 31
06	Artistic, literary, recreational and related occupations	Major group 33
07	Clerical and related occupations	Major group 41
08	Sales occupations	Major group 51
09	Service occupations	Major group 61
10	Farming, horticultural and animal husbandry occupations	Major group 71

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
11	Other primary occupations	Major group 73, 75, 77
12	Processing occupations	Major group 81/82
13	Machining and product fabricating, assembling and repairing occupations	Major group 83, 85
14	Construction trades occupations	Major group 87
15	Transport equipment operating occupations	Major group 91
16	Other occupations	Major group 25, 93, 95, 99

**Note:** These data are most frequently tabulated and published for persons who are in the labour force and who worked since January 1, 1985 (i.e., the experienced labour force as defined in 1986) although available for all persons who worked since January 1, 1985.

**Data Set Name: Individual File**

**OCC71P - Field 30**

**Occupation (1971 Classification Basis)**

This refers to the kind of work the person was doing during the reference week, as determined by their reporting of their kind of work and the description of the most important duties. If the person did not have a job during the week prior to enumeration, the data relate to the job of longest duration since January 1, 1985. Persons with two or more jobs were to report the information for the job at which they worked the most hours.

Reported for: Persons 15 years of age and over, excluding institutional residents, who worked since January 1, 1985.

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
00	Not applicable	Persons under 15 years and persons who have not worked since January 1, 1985.
01	Managerial, administrative and related occupations	Major group 11
02	Occupations in natural sciences, engineering and mathematics	Major group 21
03	Occupations in social sciences and related fields	Major group 23
04	Teaching and related occupations	Major group 27
05	Occupations in medicine and health	Major group 31
06	Artistic, literary, recreational and related occupations	Major group 33
07	Clerical and related occupations	Major group 41
08	Sales occupations	Major group 51
09	Service occupations	Major group 61
10	Farming, horticultural and animal husbandry occupations	Major group 71

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
11	Other primary occupations	Major group 73, 75, 77
12	Processing occupations	Major group 81/82
13	Machining and product fabricating, assembling and repairing occupations	Major group 83, 85
14	Construction trades occupations	Major group 87
15	Transport equipment operating occupations	Major group 91
16	Other occupations	Major group 25, 93, 95, 99
17	Occupation not stated	Major group 00

**Note:** These data are most frequently tabulated and published for persons who are in the labour force and who worked since January 1, 1985 (i.e., the experienced labour force as defined in 1986) although available for all persons who worked since January 1, 1985.



**Data Set Name: Individual File**

**IND80P - Field 31**

**Industry (1980 Standard Industrial Classification)**

Refers to the general nature of the business carried out in the establishment where the person (population 15 years and over, excluding institutional residents) worked, as indicated by the name of the employer (or the person's own business name if self-employed) and the kind of business, industry or service engaged in by this establishment. If not employed in the week prior to enumeration, the information was to relate to the person's job of longest duration since January 1, 1985. Persons with two or more jobs were to report the information for the job at which they worked the most hours.

Reported for: Persons 15 years of age and over, excluding institutional residents, who worked since January 1, 1985.

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
00	Not applicable	Persons under 15 years and persons who have not worked since January 1, 1985.
01	Agriculture	Division A
02	Other primary industries	Division B-D
03	Manufacturing	Division E
04	Construction	Division F
05	Transportation and storage	Division G
06	Communication and other utilities	Division H
07	Wholesale trade	Division I
08	Retail trade	Division J
09	Finance, insurance and real estate	Division K, L
10	Business services	Division M
	Government services	
11	Federal	Division N Major group 81
12	Other	Division N Major groups 82, 83, 84

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
13	Educational services	Division O
14	Health and social services	Division P
15	Accommodation, food and beverage services	Division Q
16	Other services	Division R

**Note:** Unspecified and undefined industries have been redistributed by imputation among the major groups and divisions.

**Data Set Name: Individual File**

**IND70P - Field 32**

**Industry (1970 Standard Industrial Classification)**

Refers to the general nature of the business carried out in the establishment where the person (population 15 years and over, excluding institutional residents) worked, as indicated by the name of the employer (or the person's own business name if self-employed) and the kind of business, industry or service engaged in by this establishment. If not employed in the week prior to enumeration, the information was to relate to the person's job of longest duration since January 1, 1985. Persons with two or more jobs were to report the information for the job at which they worked the most hours.

Reported for: Population 15 years of age and over, excluding institutional residents, who worked since January 1, 1985.

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
00	Not applicable	Persons under 15 years and persons who have not worked since January 1, 1985.
01	Agriculture	Division 1
02	Other primary industries	Division 2, 3, 4
03	Manufacturing	Division 5
04	Construction	Division 6
05	Transportation and storage	Division 7 Major group 1, 2
06	Communication and other utilities	Division 7 Major group 3, 4
07	Wholesale trade	Division 8 Major group 1
08	Retail trade	Division 8 Major group 2
09	Finance, insurance and real estate	Division 9
10	Services to business management	Division 10 Major group 5

<b>Codes</b>	<b>Description</b>	<b>Includes</b>
	<b>Public administration and defence</b>	
11	Federal administration	Division 11 Major group 1
12	Other public administration	Division 11 Major groups 2, 3, 4
13	Education and related	Division 10 Major group 1
14	Health and welfare services	Division 10 Major group 2
15	Accommodation and food services	Division 10 Major group 7
16	Other services	Division 10 Major group 3, 4, 6, 8
17	Industry Unspecified or Undefined	Division 12

**Data Set Name: Individual File**

**COWP - Field 33**

**Class of Worker**

Refers to the classification of employment of persons 15 years of age and over, excluding institutional residents, according to whether a person mainly worked for someone else for wages, salaries, commission or payment in kind, or worked without pay for a relative who is a member of the same household in a family farm, business, or professional practice or mainly worked for themselves with or without paid help, in the job reported. The incorporation status refers to the legal status of a business or farm. It is directed at persons who were mainly self-employed, either with or without paid help in the job reported. The job reported was the job in the week prior to enumeration if employed, or the job of longest duration since January 1, 1985 if not employed during the reference week. Persons with two or more jobs in the reference week were to give the information for the job at which they worked the most hours. This is a derived variable.

**PAID WORKERS (WAGE AND SALARY EARNERS)**

Persons 15 years and over who worked since January 1, 1985 and indicated that, in the job reported, they were mainly working for wages, salaries, tips, or commissions.

**UNPAID FAMILY WORKERS (WORKED WITHOUT PAY FOR A RELATIVE IN A FAMILY BUSINESS OR FARM)**

Persons 15 years and over who worked since January 1, 1985 and for whom the job reported consisted mainly of work without regular money wages for a relative who was a member of the same household, at tasks which contributed to the operation of the business or farm owned or operated by the relative.

**SELF-EMPLOYED WITHOUT PAID HELP (OWN ACCOUNT) INCORPORATED  
SELF-EMPLOYED WITH PAID HELP (EMPLOYERS) INCORPORATED**

Persons 15 years and over who worked since January 1, 1985 and for whom the job reported consisted mainly of self-employment. An "incorporated business" is a business or farm which has been formed into a legal corporation, having a legal entity under either federal or provincial laws.

**SELF-EMPLOYED WITHOUT PAID HELP (OWN ACCOUNT) UNINCORPORATED  
SELF-EMPLOYED WITH PAID HELP (EMPLOYERS) UNINCORPORATED**

Persons 15 years and over who worked since January 1, 1985 and for whom the job reported consisted mainly of self-employment. An "unincorporated business or farm" has no separate legal identity, but may be a partnership, family business or owner-operated business.

Reported for: Population 15 years of age and over, excluding institutional residents, who worked since January 1, 1985.

Code	Description	Includes
0	Not applicable	Persons under 15 years and persons who have not worked since January 1, 1985.
1	Paid workers	
2	Unpaid family workers	
3	Self-employed without paid help incorporated	
4	Self-employed with paid help incorporated	
5	Self-employed without paid help unincorporated	
6	Self-employed with paid help unincorporated	

**Data Set Name: Individual File**

**HLOSP - Field 34**

**Highest Level of Schooling**

Refers to the highest grade or year of elementary or secondary school attended, or the highest year of university or other non-university completed. University education is considered to be above other non-university. Also, the attainment of a degree, certificate or diploma is considered to be at a higher level than years completed or attended without an educational qualification.

Reported for: Population 15 years of age and over, excluding institutional residents.

Code	Description	Includes
00	Not applicable	Persons under 15 years.
	Elementary-secondary only	
01	Less than Grade 5	No schooling or kindergarten only.
02	Grades 5 - 8	
03	Grades 9 - 13	
04	Secondary (high) school graduation certificate	
05	Trades certificate or diploma	
	Other non-university education only	
06	Without trades or other non-university certificate or diploma	
07	With trades certificate or diploma	
08	With other non-university certificate or diploma	
	University	
09	Without certificate, diploma or degree	

Code	Description	Includes
10	With certificate or diploma	Trades certificate, other non-university certificate and university certificate below bachelor level.
11	With bachelor's degree or higher	University certificate above bachelor level.



**Data Set Name: Individual File**

**HGRAD - Field 35**

**Highest Grade of Elementary or Secondary**

Refers to the highest grade or year of elementary or secondary school attended according to the province where the education was obtained, or according to the province of residence in the event this education was received outside of Canada.

Reported for: Population 15 years of age and over, excluding institutional residents.

Code	Description	Includes
0	Not applicable	Persons under 15 years.
1	Less than Grade 5	No schooling or kindergarten only.
2	Grades 5 - 8	
3	Grade 9	
4	Grade 10	
5	Grade 11	
6	Grade 12	
7	Grade 13	13 or more years.

**Data Set Name: Individual File**

**PSUV - Field 36**

**Years of University**

Refers to the total number of completed years (or less than 1 year of completed courses) of education at educational institutions which confer a degree, certificate or diploma upon successful completion of a program of studies.

Reported for: Population 15 years of age and over, excluding institutional residents.

Code	Description	Includes
9	Not applicable	Persons under 15 years.
0	None	
1	Less than 1 year (of completed courses)	
2	1 year	
3	2 years	
4	3 years	
5	4 years	
6	5 years	
7	6 years or more	

**Data Set Name: Individual File**

**PSOT - Field 37**

**Years of Other Non-University Education**

Refers to the total number of completed years (or less than 1 year of completed courses) of training at non-degree-granting educational institutions other than at the elementary-secondary level.

Reported for: Population 15 years of age and over, excluding institutional residents.

Code	Description	Includes
9	Not applicable	Persons under 15 years.
0	None	
1	Less than 1 year (of completed courses)	
2	1 year	
3	2 years	
4	3 years	
5	4 years or more	

**Data Set Name: Individual File**

**TRNUC - Field 38**

**Trades and Other Non-University Certificates**

Refers to the possession of either a trades certificate or diploma, or other non-university certificate or diploma, or both, regardless of whether other educational qualifications are held or not.

Reported for: Population 15 years of age and over, excluding institutional residents.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
0	Not applicable	Persons under 15 years.
1	Neither trades nor other non-university certificate	
2	Trades certificate only, without secondary certificate	
3	Other non-university certificate only, without secondary certificate	
4	Both trades and other non-university certificates, without secondary certificate	
5	Trades certificate only, with secondary certificate	
6	Other non-university certificate only, with secondary certificate	
7	Both trades and other non-university certificates, with secondary certificate	

**Data Set Name: Individual File**

**DGREE - Field 39**

**Highest Degree, Certificate or Diploma**

Refers to the highest degree, certificate or diploma obtained.

Reported for: Population 15 years of age and over, excluding institutional residents.

Code	Description	Includes
00	Not applicable	Persons under 15 years.
01	No degree, certificate or diploma	
02	Secondary (high) school graduation certificate	
03	Trades certificate or diploma	
04	Other non-university certificate or diploma	
05	University certificate or diploma <u>below</u> bachelor level	
06	Bachelor's degree(s)	
07	University certificate or diploma <u>above</u> bachelor level	
08	Degree in medicine, dentistry, veterinary medicine or optometry	
09	Master's degree(s)	
10	Earned doctorate	

**Data Set Name: Individual File**

**DGMFS - Field 40**

**Major Field of Study**

Refers to the predominant discipline or area of learning or training of a person's highest postsecondary degree, certificate or diploma. The major field of study classification structure consists of the major and minor categories listed below.

Reported for: Population 15 years of age and over excluding institutional residents.

Data not available in 1981.

Code	Description	Includes
00	Not applicable	Persons under 15 years.
01	Educational, recreational and counselling services	
02	Fine and applied arts	
03	Humanities and related fields	
04	Social Sciences and related fields	
05	Secretarial Science - General fields	Unit groups 211-220
06	Other commerce, management and business administration	
07	Agricultural and biological sciences/technologies	
08	Engineering and applied sciences	
09	Engineering and applied science technologies and trades	
10	Nursing and Nursing Assistance	Unit groups 399-410
11	Other health professions, sciences and technologies	
12	Mathematics and physical sciences	
13	All other	
14	No postsecondary qualification	

**Data Set Name: Individual File**

**ETHNICOR - Field 41**

### **Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong.

The level of detail specified below is not provided for the Atlantic provinces, Yukon and Northwest Territories. For these areas, see the legend on page 64.

The 1986 ethnic origin question attempts to trace the "roots" of the population of Canada. The data derived from this question reflect respondents' awareness of their ethnic or cultural background.

Prior to the 1981 Census, only the respondent's paternal ancestry was to be reported, theoretically resulting in one ethnic origin per respondent. For 1981, this restriction was removed, allowing for multiple ethnic origins. One write-in was provided in 1981 in addition to the mark in boxes. In 1986, three write-ins were allowed increasing the number of multiple response possibilities. As well, respondents were instructed to mark or specify as many groups as applicable.

Users should refer to the 1986 Census Dictionary for a description of the differences between 1981 and 1986.

**Reported for:** Total population, excluding institutional residents.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
<b>Total single responses:</b>		
01	British	English, Irish, Scottish, Welsh, Other British or British n.i.e.
02	French	French, Acadian, French-Canadian, or Québécois.
03	Dutch	
04	German	
05	Scandinavian	Danish, Icelandic, Norwegian, Swedish, Scandinavian n.i.e.
06	Hungarian	
07	Polish	
08	Ukrainian	

Code	Description	Includes
09	Croatian, Serbian, etc.	Croatian, Serbian, Slovenian, Yugoslav n.i.e.
10	Greek	
11	Italian	
12	Portuguese	
13	Jewish	
14	Other European single responses	Austrian, Belgian, Luxembourg, Swiss, Finnish, Estonian, Latvian, Lithuanian, Czech, Czechoslovakian, Slovak, Romanian, Russian, Byelorussian, Albanian, Bulgar, Macedonian, Cypriot, Maltese, Spanish, Other European n.i.e.
15	West Asian & Arab origins	Armenian, Iranian, Israeli, Turk, Arab n.i.e., Egyptian, Lebanese, Palestinian, Syrian
16	South Asian	Bengali, Gujarati, Punjabi, Singhalese, Tamil, Bangladeshi n.i.e., Pakistani n.i.e., Sri Lankan n.i.e., East Indian n.i.e.
17	Chinese	
18	Filipino	
19	East/South East Asian origins	Japanese, Korean, Burmese, Cambodian, Laotian, Thai, Vietnamese, Indonesian, Malay, Other Asian n.i.e.
20	Aboriginal Peoples	Inuit, Metis, North American Indian
21	Black, African Black & Caribbean	Black, African Black, Haitian, Jamaican, Other Caribbean n.i.e., Other West Indian
22	Other single responses	Other African n.i.e., Fijian, Other Pacific Islanders, Polynesian, Argentinian, Brazilian, Chilean, Ecuadorian, Mexican, Other Latin/Central/South American origins, Peruvian, Cuban, Puerto Rican, American, Australian/New Zealander, Canadian, Other n.i.e.



<b>Code</b>	<b>Description</b>	<b>Includes</b>
	<b>Total multiple responses:</b>	
<b>23</b>	<b>British only</b>	
<b>24</b>	<b>British and French</b>	
<b>25</b>	<b>British and Other</b>	
<b>26</b>	<b>French and Other</b>	<b>French only, French and Other</b>
<b>27</b>	<b>British, French &amp; Other</b>	
<b>28</b>	<b>Other multiple responses</b>	

**Data Set Name: Individual File**

**ETHNICOR - Field 41**

This legend applies to the Atlantic provinces, Yukon and Northwest Territories only.

<b>Code</b>	<b>Description</b>
<b>Total single responses:</b>	
01	British
02	French
03	Dutch
04	German
29	Other European single responses
30	Asian
20	Aboriginal Peoples
21	Black, African Black and Caribbean
22	Other singles responses
<b>Total multiple responses:</b>	
23	British Only
24	British and French
25	British and Other
26	French and Other
27	British, French and Other
28	Other Multiple Responses

**Data Set Name: Individual File**

**VISMIN - Field 42**

### **Visible Minority Indicator**

Refers to whether the person is a member of a visible minority in Canada. The main source of information used to identify who are in a visible minority was the ethnic origin question, but other cultural variables such as place of birth and mother tongue were also used as supplementary information.

The definition of visible minorities used in this file has been developed by Employment and Immigration Canada. The variable indicates the total number of persons who met or did not meet the criteria for inclusion in any of the categories below.

Ten visible minority groups were established: Black, Indo-Pakistani, Chinese, Korean, Japanese, South East Asian, Filipino, Other Pacific Islanders, West Asian and Arab, and Latin American. An eleventh group was added for multiple visible minority reporting. This group included persons who fell into more than one of the above categories as a result of providing two or more visible minority origins. These responses were counted separately to avoid giving preference to one group and to avoid counting individuals twice. For example, persons who checked the box for Chinese and who also wrote-in Indo-Pakistani were assigned to the multiple visible minority response category.

In view of the many multiple responses to the ethnic origin question, a decision had to be made as to how to treat persons who reported multiple responses, some of which indicated visible minority status. In most cases, these persons were considered as part of the appropriate visible minority group. For example, individuals who reported Filipino and British ethnic origins were included in the Filipino group. As mentioned earlier, however, persons who fell into more than one of the ten visible minority groups, e.g. Chinese and Southeast Asian, were assigned to the multiple visible minority group. More specific details on who is included in each of the ten visible minority groups are provided below.

The count for Blacks was based on the number of people who checked the box for Black with additions as follows: write-in responses for Haitians, Jamaicans, other Caribbeans, other West Indians and African Blacks. Respondents who said they were French but were not born in Haiti were also included. Those who gave African ethnic origin but were not born in Algeria, Mauritania, Morocco, Tunisia, the Western Sahara, South Africa, Zimbabwe and Namibia were also added. Place of birth was used as a selection criteria to assign to the Black group respondents who were born in the Caribbean but who reported British, French or Dutch ethnic origin. Persons who met more than one of the above criteria were only counted once.

The Indo-Pakistani group was identified by any of the following write-in responses: Bengali, Gujarati, Punjabi, Tamil, East Indian, Bangladeshi, Pakistani, Singhalese or Sri-Lankan. Those who specified another Asian origin or Portuguese as their ethnic origin and their place of birth as India, Pakistan, Sri-Lanka or Bangladesh were added.

The Chinese group is composed of mark-in responses to the question on ethnic origin. In addition, respondents who gave their ethnic origin as Portuguese and birthplace as Macao were assigned to the group.

No adjustments were made to the Japanese, Korean and Filipino groups. The counts represent the number of write-in answers.

The South East Asian group consists of respondents who gave the following as write-in ethnic origin responses: Vietnamese, Burmese, Cambodian, Laotian, Thai, Malay or Indonesian. In addition, respondents who specified another Asian origin but whose place of birth was not India, Pakistan, Bangladesh or Sri-Lanka were assigned to the South East Asian group.

The Other Pacific Islanders group is made up of write-in responses which include Fijian, Polynesian and other Pacific Islanders.

The West Asian and Arab group is composed of the following write-in responses: Lebanese, Egyptian, Palestinian, Syrian, Iranian, Turk and Armenian. It also includes persons who reported their ethnic origin as other African but were born in North Africa, Mauritania or the Western Sahara.

Respondents were assigned to the category for Latin American on the basis of ethnic origin in conjunction with mother tongue and/or place of birth. Those who reported Latin/Central or South American, Brazilian, Ecuadorian, Mexican, Peruvian, Cuban or Puerto Rican origin and Portuguese, Spanish, English or French as their mother tongue were included in the Latin American group. Respondents with Argentinian and Chilean ethnic origin were not included. Respondents who gave Portuguese as a single ethnic origin and English, French or Portuguese as their mother tongue and Brazil as their place of birth were also added. Those who gave Spanish as their ethnic origin, Spanish, French or English as their mother tongue and Central or South American as their place of birth were assigned to the Latin American group. Argentina, the Falklands and Chile were excluded from the selected places of birth. Cuba, the Dominican Republic and Puerto Rico, however, were added to the places of birth.

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	Member of visible minority	
2	Non-member of visible minority	

**Data Set Name: Individual File**

**ABETHNIC - Field 43**

**Aboriginal Ethnic Origin**

Refers to whether the ethnic or cultural group to which the respondent or his/her ancestors belong is an aboriginal group (for more information on ethnic origin, see variable ETHNICOR).

The level of detail specified below is not provided for the Atlantic provinces, Yukon and Northwest Territories. For these areas, see the legend on page 67.

1986 Census enumerators were refused entry to 136 Indian reserves and settlements. The population missed has been estimated at just under 45,000 persons. For further information, users should refer to User Information Bulletin Number 1, 1986 Census of Canada.

Reported for: Total population, excluding institutional residents.

Code	Description	Includes
	Aboriginal origin	
	Single aboriginal response	
1	North American Indian	
2	Other single aboriginal	Metis and Inuit.
	Multiple aboriginal response	
3	North American Indian and Non-aboriginal origins	North American Indian with any combinations of Non-aboriginal origins.
4	All other multiple Aboriginal origins	Metis and Non-aboriginal origins, plus Inuit and Non-aboriginal origins, plus all other multiple aboriginal origins with or without a Non-aboriginal origin not included in codes 01 - 03 above.
5	Non-aboriginal origins	All single and multiple Non-aboriginal origins.

**Data Set Name: Individual File**

**ABETHNIC - Field 43**

**Aboriginal Ethnic Origin**

This legend applies to the Atlantic provinces, Yukon and Northwest Territories only.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
6	Aboriginal single response	Persons who report one of the following: North American Indian, Metis and Inuit
7	Aboriginal multiple response	Persons who report one or more of North American indian, Metis and Inuit in combination with other ethnic origins, as well as more than one of North American Indian, Metis and Inuit
5	Other	All other single and multiple responses

**Data Set Name: Individual File**

**DUETHNIC - Field 44**

**Dutch Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	Dutch single response	
2	Dutch multiple response	
3	Other	All other single and multiple responses

**Data Set Name: Individual File**

**GEETHNIC - Field 45**

**German Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	German single response	
2	German multiple response	
3	Other	All other single and multiple responses



**Data Set Name: Individual File**

**SCETHNIC - Field 46**

**Scandinavian Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

<b>Code</b>	<b>Description</b>	<b>Includes</b>
1	Scandinavian single response	Persons who report one of the following: Danish, Icelandic, Norwegian, Swedish and Scandinavian, n.i.e.
2	Scandinavian multiple response	Persons who report one or more of Danish, Icelandic, Norwegian, Swedish and Scandinavian, n.i.e. in combination with other ethnic origins, as well as persons who report more than one of Danish, Icelandic, Norwegian, Swedish and Scandinavian, n.i.e.
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**HUETHNIC - Field 47**

**Hungarian Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	Hungarian single response	
2	Hungarian multiple response	
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**POETHNIC - Field 48**

**Polish Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	Polish single response	
2	Polish multiple response	
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**UKETHNIC - Field 49**

**Ukrainian Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

<b>Code</b>	<b>Description</b>	<b>Includes</b>
1	Ukrainian single response	
2	Ukrainian multiple response	
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**CRETHNIC - Field 50**

**Croatian, Serbian, etc. Ethnic Origins**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

<b>Code</b>	<b>Description</b>	<b>Includes</b>
1	Croatian, Serbian, etc. single response	Persons who report one of the following: Croatian, Serbian, Slovenian, Yugoslav n.i.e.
2	Croatian, Serbian, etc. multiple response	Persons who report one or more of Croatian, Serbian, Slovenian, Yugoslav n.i.e. in combination with other ethnic origins, as well as persons who report more than one of Croatian, Serbian, Slovenian or Yugoslav, n.i.e.
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**GRETHNIC - Field 51**

**Greek Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	Greek single response	
2	Greek multiple response	
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**ITETHNIC - Field 52**

**Italian Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	Italian single response	
2	Italian multiple response	
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**PRETHNIC - Field 53**

**Portuguese Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	Portuguese single response	
2	Portuguese multiple response	
3	Other	All other single and multiple responses
4	Not available	



**Data Set Name: Individual File**

**JEETHNIC - Field 54**

**Jewish Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	Jewish single response	
2	Jewish multiple response	
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**WAETHNIC - Field 55**

**West Asian and Arab Ethnic Origins**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

<b>Code</b>	<b>Description</b>	<b>Includes</b>
1	West Asian and Arab single responses	Persons who report one of the following: Armenian, Iranian, Israeli, Turk, Arab n.i.e., Egyptian, Lebanese, Palestinian, Syrian
2	West Asian and Arab multiple responses	Persons who report one or more of Armenian, Iranian, Israeli, Turk, Arab n.i.e., Egyptian, Lebanese, Palestinian or Syrian in combination with other ethnic origins, as well as persons who report more than one of Armenian, Iranian, Israeli, Turk, Arab n.i.e., Egyptian, Lebanese, Palestinian or Syrian
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**SAETHNIC - Field 56**

**South Asian Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	South Asian single responses	Persons who report one of the following: Bengali, Gujarati, Punjabi, Singhalese, Tamil, Bangladeshi n.i.e., Pakistani n.i.e., Sri Lankan n.i.e., East Indian n.i.e.
2	South Asian multiple responses	Persons who report one or more of Bengali, Gujarati, Punjabi, Singhalese, Tamil, Bangladeshi n.i.e., Pakistani n.i.e., Sri Lankan n.i.e. or East Indian n.i.e. in combination with other ethnic origins, as well as persons who report more than one of Bengali, Gujarati, Punjabi, Singhalese, Tamil, Bangladeshi n.i.e., Pakistani n.i.e., Sri Lankan n.i.e. or East Indian n.i.e.
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**CHETHNIC - Field 57**

**Chinese Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

<b>Code</b>	<b>Description</b>	<b>Includes</b>
1	Chinese single response	
2	Chinese multiple response	
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**FIETHNIC - Field 58**

**Filipino Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

Code	Description	Includes
1	Filipino single response	
2	Filipino multiple response	
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**EAETHNIC - Field 59**

**East/South East Asian Ethnic Origins**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

<b>Code</b>	<b>Description</b>	<b>Includes</b>
1	East/South East Asian single response	Persons who report one of the following: Japanese, Korean, Burmese, Cambodian, Laotian, Thai, Vietnamese, Indonesian, Malay, Other Asian n.i.e.
2	East/South East Asian multiple response	Persons who report one or more of Japanese, Korean, Burmese, Cambodian, Laotian, Thai, Vietnamese, Indonesian, Malay or Other Asian n.i.e. in combination with other ethnic origins, as well as persons who report more than one of Japanese, Korean, Burmese, Cambodian, Laotian, Thai, Vietnamese, Indonesian, Malay or Other Asian n.i.e.
3	Other	All other single and multiple responses
4	Not available	

**Data Set Name: Individual File**

**BLETHNIC - Field 60**

**Black Ethnic Origin**

Refers to the ethnic or cultural group to which the respondent or the respondent's ancestors belong. (For more information on ethnic origin, see variable ETHNICOR).

Reported for: Total population, excluding institutional residents

<b>Code</b>	<b>Description</b>	<b>Includes</b>
1	Black single response	Persons who report one of the following: Black, African Black, Haitian, Jamaican, Other Caribbean n.i.e. or Other West Indian
2	Black multiple response	Persons who report one or more of Black, African Black, Haitian, Jamaican, Other Caribbean n.i.e. and Other West Indian in combination with other ethnic origins, as well as persons who report more than one of Black, African Black, Haitian, Jamaican, Other Caribbean n.i.e. and Other West Indian.
3	Other	All other single and multiple responses

**Data Set Name: Individual File**

**BIRTPLAC - Field 61**

**Place of Birth**

For persons born in Canada, place of birth refers to the specific province or territory of birth. For those born outside Canada, it refers to the specific country of birth according to boundaries at the census date.

The level of detail specified below is not provided for the Atlantic provinces, Yukon and Northwest Territories. For these areas, see the legend on page 88.

Persons born in parts of the Northwest Territories which are now parts of the provinces were instructed to report their place of birth according to present provincial boundaries. Persons born in Newfoundland and Labrador before that province joined Confederation were instructed to indicate Newfoundland as their province of birth. Persons born in the six counties of "Northern Ireland" (Antrim, Armagh, Down, Fermanagh, Londonderry and Tyrone) were to report their place of birth as the "United Kingdom". Persons born in any of the other counties of Ireland were required to print "Eire" or the "Republic of Ireland" as their place of birth. Where boundary changes were likely to have affected clear determination of place of birth, individuals were instructed to provide the name of the city or district nearest to their birthplace.

Reported for: Total population, excluding institutional residents.

Code	Description	Includes
Canada:		
01	Newfoundland	
02	Prince Edward Island	
03	Nova Scotia	
04	New Brunswick	
05	Quebec	
06	Ontario	
07	Manitoba	
08	Saskatchewan	
09	Alberta	
10	British Columbia	
11	Yukon and Northwest Territories	



Code	Description	Includes
12	United States of America	
	Europe:	
13	Belgium and Luxembourg	
14	France	
15	Germany	German Democratic Republic and Federal Republic of Germany.
16	Netherlands	
17	Austria	
18	Republic of Ireland	
19	United Kingdom	
20	Yugoslavia	
21	Greece	
22	Italy	
23	Portugal	
24	Hungary	
25	Poland	
26	U.S.S.R.	
27	Czechoslovakia	
28	Other Europe	European countries not specified above.
29	Eastern Asia	Mongolia, People's Republic of China, Hong Kong, Japan, North Korea, South Korea, Macao and Taiwan.
30	South East Asia	Brunei, Burma, Indonesia, Kampuchea, Laos, Malaysia, Philippines, Singapore, Thailand and Viet Nam
31	Southern Asia	Bangladesh, Bhutan, India, Republic of Maldives, Nepal, Pakistan and Sri Lanka

Code	Description	Includes
32	Western Asia	Turkey, Afghanistan, Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates, the People's Democratic Republic of Yemen and the Yemen Arab Republic
33	Northern Africa	Egypt, Libya, Algeria, Morocco, Tunisia, West Sahara and Sudan
34	Southern Africa	Botswana, Lesotho, Namibia, Republic of South Africa and Swaziland
35	Other Africa	
36	South and Central America	
37	Caribbean and Bermuda	
38	Other	Countries and regions not elsewhere identified.

**Data Set Name: Individual File**

**BIRTPLAC - Field 61**

This legend applies to the Atlantic provinces, Yukon and Northwest Territories only.

<b>Code</b>	<b>Description</b>
	Canada:
01	Newfoundland
02	Prince Edward Island
03	Nova Scotia
04	New Brunswick
05	Quebec
06	Ontario
07	Manitoba
08	Saskatchewan
09	Alberta
10	British Columbia
11	Yukon and Northwest Territories
12	United States of America
15	Germany
19	United Kingdom
39	Other

**Data Set Name: Individual File**

**OFFLANG - Field 62**

**Official Language**

Refers to the ability to conduct a conversation in English and/or French, the official languages of Canada.

For more information, users should refer to Catalogue No. 93-103, Language: Part 2.

Reported for: Total population, excluding institutional residents.

Code	Description	Includes
1	English only	
2	French only	
3	Both English and French	
4	Neither English nor French	

**Data Set Name: Individual File**

**HOMELANG - Field 63**

**Home Language**

Refers to the language spoken at home by the individual at the time of the census. If more than one language was spoken, the language spoken most often by the individual was to be reported.

The level of detail specified below is not provided for the Atlantic provinces, Yukon and Northwest Territories. For these areas, see the legend on page 92.

For the first time in the 1986 Census, Canadians could report more than one language if they spoke them equally often at home. For further information, users should refer to Catalogue 93-103, Language, Part 2.

Reported for: Total population, excluding institutional residents.

Code	Description	Includes
01	English single responses	
02	French single responses	
03	English and French	
	Non-official languages:	Each category includes i) persons who have reported only this language (single response) and ii) persons who have reported this language in combination with either English or French. Other single and multiple responses involving a non-official language are included in code 14. For example, a person who reported Swahili or a person who reported Spanish and Portuguese are included in "Other".
04	Aboriginal languages	Users should refer to the <u>1986 Census Dictionary</u> (Catalogue no. 99-101E) for the list.
05	Chinese	
06	German	
07	Greek	

Code	Description	Includes
08	Indo-Iranian languages	Persian, Bengali, Hindi, Punjabi, Urdu, Sinhalese, Indo-Iranian n.i.e.
09	Italian	
10	Polish	
11	Portuguese	
12	Spanish	
13	Ukrainian	
14	Other	See paragraph on "Non-official languages"

**Data Set Name: Individual File**

**HOMELANG - Field 63**

This legend applies to the Atlantic provinces, Yukon and Northwest Territories only.

<b>Code</b>	<b>Description</b>
01	English single response
02	French single response
03	English and French
04	Aboriginal languages
15	Other

**Data Set Name: Individual File**

**MOTHERTG - Field 64**

**Mother Tongue**

Refers to the first language learned in childhood and still understood by the individual at the time of the census.

The level of detail specified below is not provided for the Atlantic provinces, Yukon and Northwest Territories. For these areas, see the legend on page 95.

For the first time in the 1986 Census, Canadians could report more than one mother tongue. For further information, users should refer to Catalogues 93-102 and 103, Language: Parts 1 and 2.

Reported for: Total population, excluding institutional residents.

Code	Description	Includes
01	English single responses	
02	French single responses	
03	English and French	
	Non-official languages:	Each category includes i) persons who have reported only this language (single response) and ii) persons who have reported this language in combination with either English or French. Other single and multiple responses involving a non-official language are included in code 14. For example, a person who reported Swahili or a person who reported Spanish and Portuguese are included in "Other".
04	Aboriginal languages	Users should refer to the <u>1986 Census Dictionary</u> (Catalogue no. 99-101E) for the list.
05	Chinese	
06	German	
07	Greek	



Code	Description	Includes
08	Indo-Iranian languages	Persian, Bengali, Hindi, Punjabi, Urdu, Sinhalese, Indo-Iranian n.i.e.
09	Italian	
10	Polish	
11	Portuguese	
12	Spanish	
13	Ukrainian	
14	Other	See paragraph on "Non-official languages"

**Data Set Name: Individual File**

**MOTHERTG - Field 64**

This legend applies to the Atlantic provinces, Yukon and Northwest Territories only.

<b>Code</b>	<b>Description</b>
01	English single response
02	French single response
03	English and French
04	Aboriginal languages
15	Other

**Data Set Name: Individual File**

**CITIZENS - Field 65**

### **Citizenship**

Refers to the legal citizenship status of the respondent.

Canadian citizenship may be obtained by birth or through naturalization. The majority of persons born in Canada are Canadian citizens by birth. Persons born outside Canada may be Canadian citizens by birth if they were born to parent(s) who were Canadian citizens. All other persons born outside Canada acquire Canadian citizenship through naturalization. Dual or multiple citizenship occurs when an individual is a citizen of more than one country. Persons who have not yet become Canadian citizens and have lost their former citizenship, or have no current citizenship (for whatever reason) are considered as stateless.

Reported for: Total population, excluding institutional residents.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
	Canadian citizenship:	
1	Canada by birth	
2	Canada by naturalization	
	Citizenship other than Canadian:	
3	Country of birth (other than Canada)	Country of birth; Country of birth and other country.
4	Other country	Stateless persons and citizens of country(ies) other than Canada or country of birth.

**Data Set Name: Individual File**

**YRIMMIG - Field 66**

**Year of Immigration**

This refers to the year of first immigration to Canada reported by persons who are not Canadian citizens by birth.

Reported for: Persons who were not Canadian citizens by birth and who are not institutional residents.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
00	Not applicable	Canadian citizens by birth.
01	Before 1946	
02	1946-50	
03	1951-55	
04	1956-57	
05	1958-60	
06	1961-62	
07	1963-65	
08	1966-67	
09	1968-70	
10	1971-72	
11	1973-75	
12	1976-77	
13	1978-80	
14	1981-83	
15	1984-86	First five months of 1986 only
16	Not available	

**Data Set Name: Individual File**

**IMMIGAGE - Field 67**

**Age at Immigration**

This refers to the age at which the respondent first immigrated to Canada.

The age at immigration is the age at which the respondent first received landed immigrant status. This is a derived variable based on (i) date of birth, (ii) year of immigration, and (iii) an estimated month of immigration.

Reported for: Persons who were not Canadian citizens by birth and who are not institutional residents.

Code	Description	Includes
00	Not applicable	Canadian citizens by birth.
01	0-4 years	
02	5-9 years	
03	10-14 years	
04	15-19 years	
05	20-24 years	
06	25-29 years	
07	30-34 years	
08	35-44 years	
09	45-64 years	
10	65 years and over	

**Data Set Name: Individual File**

**TOTINCP - Field 68**

**Total Income**

Refers to the total money income received by individuals 15 years of age and over during the calendar year 1985 from the sources listed below.

1) **Wages and Salaries**

Refers to gross wages and salaries before deductions for such items as income tax, pensions, unemployment insurance, etc. Included in this source are military pay and allowances, tips, commissions, cash bonuses as well as all types of casual earnings in 1985. All income in kind such as free board and lodging is excluded.

2) **Net Non-Farm Self-Employment Income**

Refers to net income (gross receipts minus expenses of operation such as wages, rents, depreciation, etc.) received during calendar year 1985 from the respondent's non-farm unincorporated business or professional practice. In the case of a partnership, only the respondent's share was to be reported. Also included is net income from persons baby-sitting in their own homes, operators of direct distributorships such as selling and delivering cosmetics, as well as from free-lance activities of artists, writers, music teachers, hairdressers, dressmakers, etc.

3) **Net Farm Self-Employment Income**

Refers to net income (gross receipts from farm sales minus depreciation and cost of operation) received during calendar year 1985 from the operation of a farm, either on own account or in partnership. In the case of partnerships, only the respondent's share of income was to be reported. Also included are advance, supplementary or assistance payments to farmers by federal or provincial governments. However, the value of income "in kind", such as agricultural products produced and consumed on the farm is excluded.

4) **Family Allowances**

Refers to the total allowances paid in calendar year 1985 by the federal and provincial governments in respect of dependent children under 18 years of age. These allowances, though not collected directly from the respondents, were calculated and included in the income of one of the parents.

5) **Federal Child Tax Credits**

Refers to federal child tax credits paid in calendar year 1985 by the federal government in respect of dependent children under 18 years of age.

No information was collected from the respondents on child tax credits. Instead, these were calculated in the course of processing and assigned, where applicable, to one of the parents in the census family on the basis of information on children in the family and the family income.

6) Old Age Security Pension and Guaranteed Income Supplement

Refers to Old Age Security pensions and Guaranteed Income Supplements paid to persons 65 years of age and over, and Spouses' Allowances paid to 60 to 64 year-old spouses of Old Age Security recipients by the federal government only during calendar year 1985. Also included are Extended Spouses' Allowances paid to 60 to 64 year-old widows/widowers whose spouse was an Old Age Security pension recipient.

7) Benefits From Canada or Quebec Pension Plan

Refers to benefits received in calendar year 1985 under the Canada or Quebec Pension Plan, e.g., retirement pensions, survivors' benefits, disability pensions. It does not include retirement pensions of civil servants, RCMP and military personnel or lump-sum death benefits.

8) Benefits From Unemployment Insurance

Refers to total unemployment insurance benefits received in calendar year 1985, before income tax deductions. It includes benefits for sickness, maternity, fishing, work sharing, retraining and retirement received under the Federal Unemployment Insurance program.

9) Other Income From Government Sources

Refers to all transfer payments, excluding those covered as a separate income source (Family Allowances, Federal Child Tax Credits, Old Age Security pensions and Guaranteed Income Supplements, Canada/Quebec Pension Plan benefits and Unemployment Insurance benefits) received from federal, provincial or municipal programs in calendar year 1985. This source includes transfer payments received by persons in need such as mothers with dependent children, persons temporarily or permanently unable to work, elderly individuals, the blind and the disabled. Included are provincial income supplement payments to seniors to supplement Old Age Security and Guaranteed Income Supplement and provincial payments to seniors to help offset accommodation costs. Also included are other transfer payments such as for training under the National Training Program (NTP), veterans' pensions, war veterans' allowance, pensions to widows and dependants of veterans, workers' compensation, etc. Additionally, provincial tax credits and allowances claimed on the income tax return are included.

10) Dividends and Interest on Bonds, Deposits and Savings Certificates, and Other Investment Income

Refers to interest received in calendar year 1985 from deposits in banks, trust companies, co-operatives, credit unions, caisses populaires, etc. as well as interest on savings certificates, bonds and debentures and all dividends from both Canadian and foreign stocks. Also included is other investment income from either Canadian or foreign sources such as net rents from real estate, mortgage and loan interest received, regular income from an estate or trust fund, and interest from insurance policies.

11) Retirement Pensions, Superannuation and Annuities

Refers to all regular income received during calendar year 1985 as the result of

having been a member of a pension plan of one or more employers. It includes payments received from all annuities, including payments from a matured registered retirement savings plan (RRSP) in the form of a life annuity, a fixed term annuity, a registered retirement income fund or an income-averaging annuity contract; pensions paid to widows or other relatives of deceased pensioners; pensions of retired civil servants, Armed Forces personnel and RCMP officers; annuity payments received from the Canadian Government Annuities Fund, an insurance company, etc. Does not include lump-sum death benefits, lump-sum benefits or withdrawals from a pension plan or RRSP or refunds of overcontributions.

12) Other Money Income

Refers to regular cash income received during calendar year 1985 and not reported in any of the other nine sources listed on the questionnaire, e.g., alimony, child support, periodic support from other persons not in the household, net income from roomers and boarders, income from abroad (except dividends and interest), non-refundable scholarships and bursaries, severance pay, royalties, strike pay.

Receipts Not Counted as Income

Gambling gains and losses, money inherited during the year in a lump sum, capital gains or losses, receipts from the sale of property or personal belongings, income tax refunds, loans received, loans repaid to an individual as the lender, lump sum settlements of insurance policies, rebates of property taxes and other taxes, and refunds of pension contributions were excluded as well as all income in kind such as free meals, living accommodation, or food and fuel produced on own farm.

Remarks

No income information was collected from institutional residents in the 1986 Census. Individuals immigrating to Canada in 1986 have zero income. Also, because of response problems, all individuals in Hutterite Colonies were assigned zero income. Furthermore, data on households, economic families, unattached individuals, census families and non-family persons relate to private households only.

Reported for: Population 15 years of age and over, excluding institutional residents.

This is a signed numeric field and shows the actual amount received in 1985 except for certain cases where the reported amount was beyond specified limits. For further information on income data, see Chapter 2.



**Data Set Name: Individual File**

**WAGESP - Field 69**

**Wages and Salaries**

Refers to gross wages and salaries before deductions for such items as income tax, pensions, unemployment insurance, etc. Included in this source are military pay and allowances, tips, commissions, bonuses and piece-rate payments as well as occasional earnings in 1985. All income in kind such as free board and lodging is excluded.

Reported for: Population 15 years of age and over, excluding institutional residents.

This variable is always positive and shows the actual amount received in 1985 except for certain cases where the reported amount was beyond specified limits. For further information on income data, see Chapter 2.

**Data Set Name: Individual File**

**SELFIP - Field 70**

**Self-employment Income**

Refers to the total income received by individuals 15 years of age or over during calendar year 1985 as net income from non-farm self-employment and/or net income from farm self-employment.

Reported for: Population 15 years of age and over, excluding institutional residents.

This is a signed numeric field and shows the actual amount received in 1985 except for certain cases where the reported amount was beyond specified limits. For further information on income data, see Chapter 2.

**Data Set Name: Individual File**

**INVSTP - Field 71**

**Investment Income**

Refers to interest received in calendar year 1985 from deposits in banks, trust companies, co-operatives, credit unions, etc., bond and debenture interest, all dividends from both Canadian and foreign sources, net rents from real estate, mortgage and loan interest received, regular income from an estate or trust fund, and interest from insurance policies from Canadian and foreign sources.

Reported for: Population 15 years of age and over, excluding institutional residents.

This is a signed numeric field and shows the actual amount received in 1985 except for certain cases where the reported amount was beyond specified limits. For further information on income data, see Chapter 2.

**Data Set Name: Individual File**

**OASGIP - Field 72**

**Old Age Security Pension and Guaranteed Income Supplement**

Refers to Old Age Security Pensions and Guaranteed Income Supplements paid to persons 65 years of age and over, and Spouses' Allowances paid to 60 to 64 year-old spouses of Old Age Security recipients by the federal government only during calendar year 1985. Also included are Extended Spouses' Allowances paid to 60 to 64 year-old widows/widowers whose spouse was an Old Age Security Pension recipient.

In 1981 this source was combined with Canada/Quebec Pension Plan benefits (CQPPBP).

Reported for: Population 15 years of age and over, excluding institutional residents.

This variable is always positive and shows the actual amount received in 1985.

**Data Set Name: Individual File**

**CQPPBP - Field 73**

**Canada/Quebec Pension Plan Benefits**

Refers to benefits received in calendar year 1985 under the Canada or Quebec pension plan, e.g., retirement pensions, survivors' benefits, disability pensions. Does not include retirement pensions of civil servants, RCMP and military personnel or lump-sum death benefits.

In 1981 this source was combined with Old Age Security pension and Guaranteed Income Supplement (OASGIP).

Reported for: Population 15 years of age and over, excluding institutional residents.

This variable is always positive and shows the actual amount received in 1985.

**Data Set Name: Individual File**

**FAMALP - Field 74**

**Family Allowances**

Refers to federal as well as provincial allowances paid in calendar year 1985 in respect of children less than 18 years of age. These allowances, though not collected directly from the respondents, were calculated and included in the income of one of the parents.

Reported for: Population 15 years of age and over, excluding institutional residents.

This variable is always positive and shows the actual amount received in 1985.

**Data Set Name: Individual File**

**CHDCRP - Field 75**

**Federal Child Tax Credits**

Refers to federal child tax credits paid in calendar year 1985 in respect of children less than 18 years of age. These credits, though not collected directly from the respondents, were calculated and included in the income of one of the parents.

Reported for: Population 15 years of age and over, excluding institutional residents.

This variable is always positive and shows the actual amount received in 1985.

**Data Set Name: Individual File**

**UICBNP - Field 76**

**Unemployment Insurance Benefits**

Refers to total unemployment insurance benefits received in calendar year 1985 before income tax deductions. It includes benefits for sickness, maternity, fishing, work sharing, retraining and retirement received under the Federal Unemployment Insurance program.

Reported for: Population 15 years of age and over, excluding institutional residents.

This variable is always positive and shows the actual amount received in 1985.



**Data Set Name: Individual File**

**GOVTIP - Field 77**

**Other Government Transfer Payments**

Refers to all transfer payments, excluding those covered as a separate income source (Family Allowances, Federal Child Tax Credits, Old Age Security pensions and Guaranteed Income Supplements, Canada/Quebec Pension Plan benefits and Unemployment Insurance benefits) received from federal, provincial or municipal programs in calendar year 1985. This source includes transfer payments received by persons in need such as mothers with dependent children, persons temporarily or permanently unable to work, elderly individuals, the blind and the disabled. Included are provincial income supplement payments to seniors to supplement Old Age Security and Guaranteed Income Supplement and provincial payments to seniors to help offset accommodation costs. Also included are other transfer payments such as for training under the National Training Program (NTP), veterans' pensions, war veterans' allowance, pensions to widows and dependants of veterans, workers' compensation, etc. Additionally, provincial tax credits and allowances claimed on the income tax return are included.

Reported for: Population 15 years of age and over, excluding institutional residents.

This variable is always positive and shows the actual amount received in 1985.

**Data Set Name: Individual File**

**RETIRP - Field 78**

### **Retirement Pensions**

Refers to all regular income received during calendar year 1985 as the result of having been a member of a pension plan of one or more employers. It includes payments received from all annuities, including payments from a matured registered retirement savings plan (RRSP) in the form of a life annuity, a fixed term annuity, a registered retirement income fund or an income-averaging annuity contract; pensions paid to widows or other relatives of deceased pensioners; pensions of retired civil servants, Armed Forces personnel and RCMP officers; annuity payments received from the Canadian Government Annuities Fund, an insurance company, etc. Does not include lump-sum death benefits, lump-sum benefits or withdrawals from a pension plan or RRSP or refunds of overcontributions.

In 1981 this source was combined with Other Money Income (OTINCP).

Reported for: Population 15 years of age and over, excluding institutional residents.

This variable is always positive and shows the actual amount received in 1985 except for certain cases where the reported amount was beyond specified limits. For further information on income data, see Chapter 2.

**Data Set Name: Individual File**

**OTINCP - Field 79**

**Other Money Income**

Refers to all regular cash income received during calendar year 1985 and not included in any of the other sources, e.g., alimony, child support, periodic support from other persons not in the household, net income from roomers and boarders, income from abroad (except dividends and interest), non-refundable scholarships and bursaries, severance pay, royalties, strike pay.

In 1981 this source was combined with Retirement Pensions (RETIRP).

Reported for: Population 15 years of age and over, excluding institutional residents.

This variable is always positive and shows the actual amount received in 1985 except for certain cases where the reported amount was beyond specified limits. For further information on income data, see Chapter 2.

**Data Set Name: Individual File**

**HMAINP - Field 80**

**Household Maintainer Indicator**

Refers to whether or not the person is a household maintainer (see also note in Chapter 2).

Reported for: Population in private households.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
0	Not applicable	Persons in collectives, persons in households outside Canada and temporary residents.
1	Yes	
2	No	

**Data Set Name: Individual File**

**TENURP - Field 81**

**Tenure**

Refers to whether some member of the household owns or rents the dwelling.

Reported for: Population in private households.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
0	Not applicable	Persons in collectives, persons in households outside Canada, temporary residents and persons on reserves.
1	Owned	
2	Rented	

**Data Set Name: Individual File**

**RCONDP - Field 82**

**Tenure - Condominium**

Refers to whether the dwelling is part of a registered condominium.

Reported for: Population in owner-occupied private households, excluding farms, reserves and tenant-occupied dwellings.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
0	Not applicable	Persons in farm dwellings, persons in collectives, persons on reserves, persons in households outside Canada and temporary residents and persons in tenant-occupied dwellings.
1	Condominium	
2	Not a condominium	

**Data Set Name: Individual File**

**VALUEP - Field 83**

**Value of Dwelling**

Refers to the amount expected by the owner if the dwelling were to be sold.

Reported for: Population in owner-occupied private non-farm, non-reserve households.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
0	Not applicable	Persons in tenant households, persons in farm dwellings, persons in collectives, persons in households outside Canada, temporary residents and persons on reserves.
1	Under \$20,000	
2	\$20,000 - \$34,999	
3	35,000 - 49,999	
4	50,000 - 64,999	
5	65,000 - 79,999	
6	80,000 - 99,999	
7	100,000 - 149,999	
8	150,000 and over	

**Data Set Name: Individual File**

**ROOM - Field 84**

**Number of Rooms**

Refers to the number of rooms in a dwelling. A ROOM is an enclosed area within a dwelling which is finished and suitable for year-round living.

Reported for: Population in private households.

<b>Code</b>	<b>Description</b>	<b>Includes</b>
00	Not applicable	Persons in collectives, persons in households outside Canada and temporary residents.
01	1 room	
02	2 rooms	
03	3 rooms	
04	4 rooms	
05	5 rooms	
06	6 rooms	
07	7 rooms	
08	8 rooms	
09	9 rooms	
10	10 or more rooms	



## **Chapter 2 - Data Quality**

Chapter 2 provides information on data quality and is composed of two parts:

### **Characteristics of the sample**

The reader will find information on the sample design and the reliability of the estimates, covering:

- Target population
- Sample design
- Estimation
- Data Reliability

### **Other factors affecting data reliability**

Non-sampling errors can also have an impact on data quality. The user will find information on these factors, such as the impact of rounding and adjusting high incomes and losses.

## **SAMPLE DESIGN AND ESTIMATION**

### **1. Target Population and Geographical Limitations of the File**

The target population for the file includes all individuals except for institutional residents and residents of incompletely enumerated Indian reserves or settlements.

In order to meet confidentiality criteria, the geographical information on the file is restricted. Aside from province, only twelve census metropolitan areas are identified.

### **2. Sample Design**

The sample for the individual microdata file was selected in two stages. The first stage is the one-fifth (2B) sample collected during the 1986 Census. The second stage consists of a systematic sample of individuals drawn from within predetermined strata of the 2B sample.

#### **2.1 First Stage**

In the 1986 Census of Population, four out of five households were enumerated using a short questionnaire (2A). This questionnaire contained nine questions of demographic and linguistic nature. The remaining households received a more detailed questionnaire (2B) that, in addition to the nine 2A questions, contained twenty-three other questions covering a wide range of topics.

Each individual in the 2B sample represents him/herself and four other individuals, i.e. each individual carries a sampling weight of five. Statistical procedures that adjust the weight to obtain a more representative sample were also applied at this stage. Further details of the one in five sample can be obtained from the "Census Handbook," 1988, catalogue number 99-104E.

#### **2.2 Second Stage**

The second stage of sampling consisted of the following steps:

1. creation of subgroups, or strata, of individuals selected in the first stage,
2. sorting within strata, of the individuals according to specific criteria,
3. sampling within strata with special procedures for temporary residents and individuals who were sampled for other purposes.

Each one of these steps is described below.

##### **2.2.1 Stratification**

The population was initially divided into twenty geographic areas, namely:

Montreal,  
Ottawa-Hull,  
Toronto,  
Winnipeg,  
Calgary,

Edmonton,  
Vancouver,  
Regina and Saskatoon,  
Kitchener, Hamilton, and St. Catherines,  
Newfoundland,  
Prince Edward Island,  
Nova Scotia,  
New Brunswick,  
Quebec (excluding Montreal and Hull),  
Ontario (excluding Ottawa, Toronto, Kitchener, Hamilton, and St. Catherines),  
Manitoba (excluding Winnipeg),  
Saskatchewan (excluding Regina and Saskatoon),  
Alberta (excluding Calgary and Edmonton),  
British Columbia (excluding Vancouver), and  
Yukon and the Northwest Territories.

Six groups were then identified in each geographic region using the following classification:

1. individual is less than 15 years of age,
2. individual's age is between 15 and 44 years and in the labour force,
3. individual's age is between 15 and 44 years and not in the labour force,
4. individual's age is between 45 and 64 years and in the labour force,
5. individual's age is between 45 and 64 years and not in the labour force, and
6. individual is 65 years of age or older.

The combination of the twenty geographical areas and six classifications yields a total of 120 strata.

#### 2.2.2 Sorting

Sorting was performed within each strata. The first sort was by ethnic origin. Four values were used:

1. British,
2. Asian,
3. European, and
4. Other (includes multiple origins).

Within each ethnic origin value, a secondary sort was applied. For temporary residents or persons residing in dwellings overseas, collective households, Prince Edward Island, or the Yukon and Northwest territories, the secondary sort was based on sex. For the remaining individuals, the secondary sort was by group. These groups consisted of all possible combinations of the these variables:

Sex;

1. female, and
2. male.

Relationship to Person 1;

1. person 1,
2. relative of person 1, and

3. not a relative of person 1.

Area of Residence;

if the geographic area was composed of cities:

1. urban core,
2. urban fringe, and
3. rural fringe.

if the geographic area was not:

4. urban area with 30,000 people or more,
5. urban area with less than 30,000 people, and
6. rural.

In order to equalize the individual effects of secondary sort variables in sampling, the groups formed were randomly ordered within ethnic origin within strata. For example, individuals in the stratum defined as persons residing in Montreal whose age is between 15 and 44 and are in the labour force would first be sorted by the four ethnic origins above. Then, within each of the four ethnic origins, individuals would be sorted into groups. The order of the groups would be random, i.e. the first group could be male relatives of person 1 in the urban core (combination 2-2-1), the next group female who are not related to person 1 in the urban fringe (1-3-2), and so on until all thirty-six combinations are exhausted.

Finally, within each of these groups, the individuals were put into a random order.

### 2.2.3 Sampling

Within each strata, the sample was systematically selected with a random start and probability proportional to the first stage weight. Sample sizes within stratum were determined such that each individual selected represented fifty individuals in the target population. Special procedures, described below, were required for temporary residents and overlap with other microdata files.

#### Temporary Residents

Temporary residents are not part of the Census one-fifth sample but are accounted for by randomly assigning each temporary resident to an individual who is part of the sample. This individual then represents him/herself, four other persons, and the temporary resident. If a temporary resident is selected for the individual microdata file, the information carried is that of the individual assigned to that temporary resident. If both an individual and his/her's associated temporary resident are selected, two identical records will appear on the microdata file.

#### Overlap with Other Files

Other microdata files are available from the 1986 Census of Population. In order to reduce the possibility of disclosure, any overlap between files has been systematically eliminated. Thus any individual selected for the Health and Activity Limitations Survey and any individual that is a member of a household or

family selected for the household or family microdata files cannot be selected for the individual microdata file. Individuals who are ineligible for the file are accounted for in the following manner:

1. Within each stratum, the sample size necessary for a one in fifty sample of the target population is determined.  
  
E.g. A stratum contains 550,000 individuals. 11,000 individuals are required for a one in fifty sample.
2. Individuals ineligible for inclusion in the microdata file are determined and discarded.  
  
E.g. 55,000 of the individuals in the above example are found to be ineligible. Thus the stratum now contains 495,000 individuals.
3. Sample selection occurs within the remaining individuals but retains the original sample size.  
  
E.g. continued. The sample of 11,000 is selected from the 495,000 remaining individuals, resulting in a one in forty-five sampling rate.
4. Steps 1-3 are repeated within each stratum. In order to account for those individuals excluded, a sampling weight of fifty is used to calculate estimates.

This method assumes that within a stratum, the distribution of characteristics of interest is the same for eligible and ineligible individuals.

Caution should be applied in the analysis of estimates that might be affected by the absence of individuals who might identify themselves as health and activity limited.

### 3. Estimation

The individual sample is designed to allow for easy estimation. There are two types of variables on the microdata file, numeric and coded. Numeric variables, such as income, show an actual amount. Coded variables have values based on a classification, such as the variable on occupation. Some typical estimators for the two types of variable follow.

#### 3.1 Coded Variables

##### Estimates of Total

Estimates of total are obtained by selecting the individuals possessing the value of interest (e.g. English as the language spoken most often at home), counting them, and multiplying the resulting count by fifty. Any estimate of total that results in less than 5000 individuals should be used with caution.

### Estimates of Ratios and Percentages

Ratio estimates involve counting the number of individuals in the numerator, the number in the denominator, and dividing. For a percentage estimate, the ratio estimate is multiplied by 100. If there are less than 100 individuals in the numerator, the ratio should be used with caution.

## 3.2 Numeric Variables

### Estimates of Total

Estimates of total are obtained by selecting the individuals having the characteristic of interest (e.g. retirement income), adding up their values, and multiplying the resulting sum by fifty. If less than 100 individuals possess the characteristic of interest, the total should be used with caution.

### Estimates of Average

Average estimates involve adding up the values of the characteristic of interest and dividing the resulting sum by the number of individuals in the numerator. Do not multiply the average by fifty. If there are less than 100 individuals in the numerator, the resulting average should be used with caution.

### Estimates of Ratios and Percentages

Ratios are calculated by deriving the totals for the numerator and denominator and then dividing. For a percentage estimate, the ratio estimate is multiplied by 100. Do NOT calculate the ratio first for each individual and then average the resulting ratios. If there are less than 100 individuals in the numerator, the ratio should be used with caution.

## 3.3 More complex analysis

Caution must be exercised in performing more complex statistical procedures to the individual microdata file. Depending on the technique, the fact that each individual on the file represents fifty individuals may have to be taken into account. In addition, procedures that use statistical tests of significance (e.g. ANOVA) may give incorrect results if the sample design is not taken into account. Users wishing further information should contact the Chief, Census Data Quality Section, Social Surveys Methods at Statistics Canada.

## 4. Data Reliability

The individual file is a sample of the persons enumerated in the Census, and, as a result, estimates generated from the file will not agree exactly with published estimates. This lack of agreement is due to error. In the individual file, there are two sources of error, sampling errors and non-sampling errors. Each will be discussed in turn below.

### 4.1 Sampling Errors

Sampling error is the error incurred because all of the individuals in the population do not contribute their values to the construction of estimates. Each

individual selected in the file represents 49 other individuals who are not exactly like the individual selected. These differences are most commonly presented as sampling variance. Sampling variance can be calculated; procedures for doing so are outlined in section 4.3 below and tabulated in Appendix B.

## 4.2 Non-sampling error

Sampling error is only one component of the total error of an estimate. The other components of error include such types of error as response error (e.g. an individual provides an incorrect response), coverage error (e.g. individuals are missed or counted twice), processing errors (e.g. questionnaires lost, incorrectly loaded into the computer), etc. These types of errors are difficult to estimate and their existence for the most part (q.v.) in the individual file is inherited from the original Census data. It is important to note that, unlike sampling error which decreases as sample size increases, non-sampling errors tend to be a constant proportion of the survey estimate and can result in serious biases.

Two possible sources of non-sampling error have been deliberately introduced to the individual file. Certain confidentiality criteria have been applied to the individual file that have resulted in the suppression of selected information for selected individuals. Although these criteria should not affect most analysis, the possibility does exist. A selection bias has also been introduced. Persons who identified themselves as health or activity limited or who were in households selected in the household file were not sampled. Although this selection bias is difficult to quantify, statistical tests have been performed to ensure the sample is reasonably representative of the population. Therefore selection bias can be assumed to be zero, except in cases of variables affected by the absence of health and activity limited persons. Whenever such variables are used, the resulting analysis should be subjected to extra scrutiny.

## 4.3 Estimation of Sampling Variance

It is important to consider the sampling variance in any analysis. The utility of an estimate decreases as the sampling variance increases. A frequently used measure of sampling variance is the coefficient of variation (c.v.), which expresses the square root of sampling variance as a percentage of the estimate of interest. The following guidelines have been established at Statistics Canada relating the amount of sampling variance and whether an estimate should be released.

Category	Coefficient of Variation (%)	Alphabetic code	Recommendation
Unrestricted	0 to 0.5	A	Estimates may be included in a general release without restriction. Use of the alphabetic code is recommended. The letter A indicates that the estimate is very reliable; the letter B indicates that the estimate is reliable, but less so than category A, etc.
	0.6 to 1.0	B	
	1.1 to 2.5	C	
	2.6 to 5.0	D	
	5.1 to 10.0	E	
	10.1 to 16.5	F	

Category	Coefficient of Variation (%)	Alphabetic code	Recommendation
Restricted	16.6 to 25.0 25.1 to 33.3	G H	The estimates are sufficiently reliable for specific purposes, but must be used with great caution. Anytime they are used, it must be pointed out that their sampling variance is high.
Not to be released	33.4 and over	I	The estimates must not be released in any form or under any condition. They should be deleted from statistical tables.

Instructions for calculating approximate sampling error for both coded and numeric variables follow. Exact estimates of sampling error cannot be easily calculated from the file as information about the sampling design is not readily incorporated into the structure of the file.

#### 4.3.1 Coded Variables

Tables of approximate sampling variability for coded variables are provided in Appendix B.

##### Estimates of Total

1. Locate the appropriate table in Appendix B, based on geography.
2. Look up the number closest to and greater than the estimate of interest in the "Numerator of Percentage" column.
3. The estimated c.v. is the first number to the right of the "Numerator of Percentage" column, ignoring any columns filled with asterisks.

##### Estimates of Percentages

1. Locate the appropriate table in Appendix B, based on geography.
2. Count the number of individuals falling in the numerator, multiply by 50, and look up the number closest to and greater than this estimate in the "Numerator of Percentage" column.
3. Select the column closest to and less than the estimated percentage.
4. The estimated c.v. is found at the intersection of the row identified in step 2 and the column selected in step 3.

##### Estimates of Ratios

1. If the numerator is a subset of the denominator, the instructions are identical to those used for percentages (The ratio must be converted to a percent to use the tables).
2. If the numerator is not a subset of the denominator, then the c.v.'s for the numerator and denominator must first be ascertained using the "Estimates of Total" instructions above. Each of the c.v.'s is then squared. Then the two



squared c.v.'s are added together and the square root taken of the resulting sum.

This formula will have the effect of overestimating the c.v. if there is a positive correlation between the numerator and denominator and of underestimating it if there is a negative correlation.

#### 4.3.2 Numeric Variables

The formula given below for calculating approximate sampling variability are themselves approximations. More precise formulae can be found in any university text on sampling theory.

##### Estimates of Total and Average

1. Calculate the sum of squares by taking each record's value, squaring it, and then adding all the observations together.
2. Calculate the squared sum by adding up all the values and then squaring this sum.
3. Divide the sum of squares (step 1) by the squared sum (step 2).
4. Take the square root of the result of step 3 and multiply by 100.

##### Estimates of Ratios and Percentages

1. Perform steps 1, 2 and 3 from "Estimates of Total and Average" above for the numerator.
2. Perform steps 1, 2 and 3 from "Estimates of Total and Average" above for the denominator.
3. Take each record's value for the numerator, multiply it by the denominator, and add up the resulting products across all records of interest.
4. Add up all the values for the numerator, add up all the values for the denominator, and multiply the two sums together.
5. Multiply the result from step 3 by two and then divide by the result of step 4.
6. Add the results from steps 1 and 2 together and then subtract the result of step 5.
7. Take the square root of the result of step 6 and multiply by 100.

## **OTHER FACTORS AFFECTING DATA RELIABILITY**

### **ADJUSTMENTS TO GEOSTATISTICAL AREAS**

Users should be aware that census geostatistical areas are subject to change from one census to the next. Therefore, when using data from two or more censuses, the user must be aware of, and take into consideration, any changes to the geographic limits of the areas being compared. Users wishing to obtain additional information in this regard should refer to Chapter 3.

### **POPULATION COUNTS BASED ON USUAL RESIDENCE**

The population counts shown here for a particular area represent the number of Canadians whose usual place of residence is in that area, regardless of where they happened to be on Census Day. Also included are any Canadians staying in a dwelling in that area on Census Day and having no usual place of residence elsewhere in Canada. In most areas, there is little difference between the number of usual residents and the number of people staying in the area on Census Day. For certain places, however, such as tourist or vacation areas, or those including large work camps, the number of people staying in the area at any particular time could significantly exceed the number of usual residents shown here.

### **IMMIGRANT POPULATION AND POPULATION BORN OUTSIDE CANADA**

All persons born outside Canada are not necessarily immigrants to Canada. Individuals who have reported their place of birth outside Canada, but who are Canadian citizens by birth, are not considered immigrants to Canada. Consequently, they do not have a period of immigration or age at immigration when they take up permanent residence in Canada. These individuals will be included in the non-immigrant population. This approach was used in the 1981 Census. By contrast, in the 1971 Census, all persons born outside Canada were categorized as immigrants and required to respond to the question on period of immigration.

### **MOBILITY STATUS**

The geographic areas reflect boundaries as of January 1, 1986, the geographic reference date for the 1986 Census of Canada.

The counts for total "migrants" (a migrant is anyone who, five years earlier, did not have his/her usual place of residence within the census subdivision (CSD) where he/she was enumerated) are additive across any geographic level - e.g., the migrant count at the Canada level is the sum of the migrants at the provincial level.

At the CSD level, users are advised to exercise caution in the use of data on migrants, particularly for suburban municipalities within large metropolitan areas. Counts for total migrants, including in- and out-migrants, could be distorted due to suspected types of mis-response such as: (a) respondents in metropolitan areas reporting the main city rather than the municipality they actually lived in five years earlier (e.g., reported Toronto instead of Scarborough); (b) respondents failing to indicate a move from a different CSD if they perceived that they were still in the same main city (e.g., moved from Toronto to Scarborough but indicated that they still lived in the same municipality); and (c) respondents reporting moves according to out-of-date boundaries.

The concept of "migrant" is defined at the CSD level. For geographic levels below the CSD, such as enumeration areas (EAs) and census tracts (CTs), please note that the distinction between the migrant and non-migrant population refers to the corresponding CSD of the EA or CT. For example, migrants of a CT are those persons who moved from a different CSD, while non-migrants are those who moved within the same CSD - they moved either between different CTs or within the same CT.

Names and boundaries of particular census subdivisions may undergo trivial or, in some cases, substantial modifications during the five-year intercensal period; therefore, comparisons of data for a specific subprovincial area between any two censuses will not be valid unless these changes, if any, are accounted for.

Details of intercensal boundary changes can be found in the **Standard Geographical Classification** (Cat. No. 12-573).

Boundaries and CSD components of CMAs and CAs will often undergo modifications during the intercensal period; therefore, comparisons of data for specific areas between any two censuses will not be valid unless these changes are accounted for. A publication is available which provides comparisons of 1986 CMAs and CAs, and their 1981 versions. **Census Metropolitan Areas and Census Agglomerations: A 1986 and 1981**

**Comparison** (Cat. No. 99-105E or F) lists census subdivisions that make up the 1986 version of each CMA and CA, and shows corresponding delineations for 1981.

## NUMBER OF WEEKS WORKED

The data for the 40-48 and 49-52 weeks worked categories for 1985 must be interpreted with caution because some respondents tend to exclude their paid leave of absence due to vacation or for other reasons from their work weeks, when in fact such leave of absence should be included. As a result, the 49-52 week category may be understated.

## LABOUR FORCE ACTIVITY

The census labour force activity concepts have not changed between 1981 and 1986. However, the processing of the data was modified causing some differences. In the 1986 Census, contrary to previous censuses, a question on school attendance was not asked. This question was used to edit the labour force activity variable, specifically unemployment. Consequently, the processing differences affect the unemployed population and are mostly concentrated among the 15-19-year age group. The table on the following page indicates the magnitude of the effect upon the data, at the Canada level.

## COMPARABILITY AND QUALITY OF LANGUAGE DATA

### Comparison between 1981 and 1986

**Mother tongue and home language.** The language questions were the same in the last two censuses, but the instructions to respondents were modified for mother tongue and home language. In 1981, respondents were asked to indicate only one mother tongue and only one home language; nevertheless, 597,980 persons (2.5% of the population) reported more than one mother tongue and 535,735 persons (2.2% of the population) reported more than one home language.

To better reflect the linguistic reality in Canada, these instructions were dropped from the 1986 Census. Under the new guidelines, individuals could report more than one mother tongue if they had learned them at the same time and had spoken one as frequently as the other when they were children. Similarly, respondents could indicate

more than one home language if they were now speaking them equally often at home.

The number of multiple responses given in the 1986 Census was significantly higher than in the 1981 Census. In 1986, 954,940 persons or 3.8% of the population reported a multiple response to the mother tongue question, while 1,159,675 or 4.6% of the population indicated more than one home language.

This increase was the result either of the changes made in the questionnaire, of changes in the way in which the population answers language questions or of an increase in the number of persons who had more than one mother tongue or spoke more than one language at home. A combination of these factors may also explain the increase in multiple responses.

When the 1981 data were processed, only one language was retained for publication, even in cases where the respondent reported more than one. In 1986, responses indicating more than one language were accepted.

In order to facilitate the determination of the trends between the two censuses, the 1986 Census results have been adjusted. In cases where more than one language was reported, the multiple responses were distributed among the component languages in the same proportions as in the 1981 Census. The results have been published in a special document entitled "**Adjusted Language Data**", April (1988). Also, data from the 1981 Census have been adjusted to show the multiple responses reported at that time. The data are presented in Table 4 of publications 93-102 (mother tongue) and 93-103 (home language). These adjustments to the mother tongue and home language figures make it easier to relate the 1986 data to the 1981 data, but do not make the results of the two censuses entirely comparable. Consequently, considerable care must be exercised in the interpretation of changes between 1981 and 1986.

The 1986 Classification of languages differs from that used in 1981, especially with regard to aboriginal languages. Appendix B of the **1986 Census Dictionary** (Catalogue No. 99-101E) provides a description of the changes.

**Official language** - Some respondents report speaking English or French or both at home, while on the other hand they indicate in the official language question, that they cannot carry on a conversation in these languages.

### Labour Force Activity, 1981 Census of Canada

Canada	1981 Census (as published in 1981)	1981 Census (using 1986 processing)	% change
Labour force 15 years and over	12,054,150	12,081,280	0.23
Employed	11,167,915	11,167,915	no change
Unemployed	886,235	913,365	3.06
Not in the labour force	6,555,135	6,528,005	-0.41
Labour force 15-19 years	1,073,945	1,098,390	2.28
Employed	906,705	906,705	no change
Unemployed	167,240	191,680	14.61
Not in the labour force	1,229,630	1,205,190	-1.99
Labour force 20 years and over	10,980,205	10,982,890	0.02
Employed	10,261,210	10,261,210	no change
Unemployed	718,995	721,685	0.37
Not in the labour force	5,325,505	5,322,815	-0.05

In such cases, in the 1981 Census, the answer to the official language question was considered erroneous. Consequently, during data processing, this answer was changed to show that the person could speak the official language(s) they had reported to the home language question.

In the 1986 Census, not all of these responses were considered erroneous. If the respondent indicated being able to speak only one official language - either English or French - and this language matched the person's mother tongue, no correction was made during processing. Consequently, these response patterns appear as such in the 1986 tabulations.

For further information on language data, contact the Housing, Family and Social Statistics Division, Statistics Canada, Ottawa, Canada K1A 0T6.

### COMPARABILITY OF DATA ON ETHNIC ORIGIN

**Comparison between 1981 and 1986.** The 1981 and 1986 ethnic origin data are not directly comparable.

The 1981 ethnic origin question: To which ethnic or cultural group did you or your ancestors belong on first coming to this continent?, was modified for the 1986 Census. The phrase "on first coming to this continent" was removed from the 1986 version as it was viewed as being inappropriate for persons of aboriginal origin. The 1986 question was: To which ethnic or cultural group(s) do you or did your ancestors belong?

In 1986, respondents were instructed to mark or specify as many groups as apply. This instruction

along with the addition of two more write-in spaces contributed significantly to an increase in multiple ethnic origin responses.

As well, the mark boxes in the question were ordered on the basis of 1981 incidence reporting of single ethnic origins. This changed the relative position of the mark boxes Chinese and Polish.

In light of the recommendations of a Parliamentary Commission on Visible Minorities in Canadian Society in the report *Equality Now* and the Abella Commission on Equality in Employment, the mark box Black was added to the 1986 ethnic origin question.

The mark boxes for aboriginal peoples were also changed. In 1986, status and non-status Indian categories which had been part of the 1981 ethnic origin question were replaced by North American Indian. It should be noted that persons of non-aboriginal cultural origin but status Indian under the Indian Act of Canada, for example, persons who obtained Indian status at marriage, could have been included in 1981 data for aboriginal peoples. These persons may not have identified their ethnic origin to be North American Indian in 1986 and thus would not be included in the 1986 count of aboriginal peoples. Also, in 1986, an undetermined number of persons of Métis origin could have indicated their ethnic origin as being the multiple response North American Indian and some other ethnic or cultural origin(s).

### Single and Multiple Response

A **Single Response** occurs when the respondent provides only one origin. For example, for Canada, 709,585 gave Italian as their only ethnic origin.

A **Multiple Response** occurs when the respondent provides more than one origin. Some 297,325 Canadians gave a response which included Italian and one or more ethnic or cultural origin(s). For example, 31,495 provided the multiple response combination: Italian and French.

In the ethnic origin legend for this profile, the single origins are shown as unique groups. The multiple origins are shown as one group: multiple origins. In the case of the 31,495 Italian and French multiple response combination, it would be included in the multiple origins count (6,986,345 for Canada).

For further information regarding the data on ethnic origin, please contact the Housing, Family and Social Statistics Division, Statistics Canada, Ottawa, Ontario K1A 0T6, telephone (613) 951-2574.

## HOUSEHOLD MAINTAINER

Users of data on household maintainers, such as sex of maintainer or mother tongue of maintainer, should be aware of certain limitations which can potentially have a large impact on the use and analysis of these data.

The household maintainer variable is a derived variable, a combination and manipulation of the responses that users have provided to the question on "person responsible for payments" and the question on "relationship to Person 1". The purpose of the household maintainer variable is to classify families within a household as primary (i.e. families of which the maintainer is a member) or secondary (i.e. families of which the maintainer is not a member). The variable is neither designed nor recommended for use as the equivalent of the previous "Household Head" variable for analytical purposes.

The variable itself was not treated, during processing, as a variable to be used in analysis. For example, if a respondent listed more than one name under the "person responsible for payments" question, only the first name inscribed was captured; the others were discarded. In addition, if a respondent indicated that no person in the household made shelter payments, the household was left without a primary family, but Person 1 was arbitrarily assigned to be the household maintainer. The basis for these processing decisions was the priority of categorizing families as primary or secondary, not providing a reference person for the household.

Users are cautioned, therefore, to refrain from making unjustified inferences based solely on direct comparisons of characteristics of household maintainers. For example, one should be careful when comparing female maintainers with male maintainers because an unknown number of each may have been entered as a second entry in the "person responsible for payments" question, and subsequently discarded. Similarly, a number of cases may have occurred in which a person outside the household has been replaced by "Person 1" in the derivation of the household maintainer, resulting in a person of a different sex ending up as the household maintainer.

Misinterpretation of results can also occur when using other maintainer characteristics, such as mother tongue or ethnic origin, to classify a household because these characteristics can be different for the other members of the household. It is suggested that analyses using these variables also take into account the characteristics of the maintainer's spouse.

## STRUCTURAL TYPE

Users of structural type of dwelling data are cautioned about certain limitations of the data. Initial investigation of these data reveals the following limitations which may affect the quality of the data:

- (1) In the 1986 Census, there was a higher rate of non-response to the structural type of dwelling question than in 1981 (2.3% compared with 0.5%). The impact of this higher non-response on overall data quality should be small, except in a limited number of geographic areas where non-responses may have been concentrated. It should also be noted that the information on structural type was reported by the Census Representative in 1986, whereas, in 1981, it was reported by the household respondent.
- (2) Sharp declines between the 1981 and 1986 Censuses were found in every province for mobile homes and other movable dwellings. This is thought to be due to the misclassification of a number of mobile homes as other structural types, primarily single-detached dwellings. For larger geographic areas, this error is not expected to have a significant impact upon other dwelling categories because of the relatively small number of mobiles and movables.

- (3) Apartments in buildings of less than five storeys present some differences with 1981 Census counts, especially in Quebec and particularly in Montréal. Also, high overcounts in 1981 of duplexes, double houses and row houses resulted in sharp declines for these types in 1986 in certain provinces. An initial historical analysis indicated the 1986 counts were quite realistic.

## **INCOME DATA**

The 1986 Census collected income information from all individuals, 15 years and over, in private households and non-institutional residents of collective households. The total income concept included, for the first time, federal child tax credits. Income statistics for families and households are for those in private households only.

Census income statistics are subject to sampling variability. Although such sampling variability may be quite small for large population groups, its effects cannot be ignored in the case of very small subgroups of population in an area or in a particular category. This is because, all other things being equal, the larger the sample size, the smaller is the error. For this reason, published income data for areas below the provincial level, where the non-institutional population was less than 250, have been suppressed. The users of this microdata file are strongly advised to exercise caution in the interpretation of statistics based on relatively small totals.

### **Rounding and Adjustment of High Incomes and Losses**

In planning this microdata file, it was deemed essential to utilize procedures to guard against the possibility of associating a particular income with an identifiable individual, family or household. To accomplish this, the income of individuals selected for this microdata file were subjected to the following rounding and adjustment procedure.

The incomes of individuals on this file were subjected to two separate operations. Initially, the amounts in wages, self-employment income (farm plus non-farm), investment income, retirement

pensions, other money income and total income were rounded to the limits specified in Table 1. This rounding procedure created certain inconsistencies between the sum of sources of income and total income. These inconsistencies were rectified by applying the adjustment procedure specified in Table 2. The income variables on this microdata file were derived after the individual records had been rounded and adjusted.

The number of records affected by this procedure and its impact on individual income are summarized in Tables 3 to 9.

Table 3 provides a distribution of individuals who had one or more sources of income and/or total income outside the limits imposed by confidentiality consideration.

Table 4 provides a summary of the changes, at the sample level, in the aggregate and average individual income, by source, as a result of the rounding/adjustment procedure.

Tables 5 and 6 provide distributions of the weighted aggregate income in 1985, by source and province, respectively, from the Census and the Public Use Microdata File.

Table 7 provides a comparison of the aggregate income in 1985, by source, from the Census, the Public Use Microdata File and personal income estimates from the System of National Accounts.

Table 8 provides a comparison of the average income of individuals in 1985, by province, from the Census and the Public Use Microdata File.

Table 9 provides comparable 1985 individual income size distributions, for Canada, from the Census and the Public Use Microdata File.

**Table 1: High and Low Income Limits**

- 
- (1) The following income sources were subject to lower and upper limits for all individuals 15 years and over in the sample on the Individual Microdata File:
- (a) Wages and salaries
  - (b) Income from self-employment
  - (c) Investment income
  - (d) Retirement pensions
  - (e) Other money income
- (2) The limits were as follows:
- |              | <u>Negative</u> | <u>Positive</u> |
|--------------|-----------------|-----------------|
| Limit 1 (L1) | -\$30,000       | \$100,000       |
| Limit 2 (L2) | -\$50,000       | \$140,000       |
- (3) Amounts above or below the limits in (2) above were rounded to the appropriate limits as indicated in (4) below.
- (4)
- | <u>Individual Income</u>       | <u>Atlantic Region</u> | <u>Other Regions</u> |
|--------------------------------|------------------------|----------------------|
| Males                          | L1                     | L2                   |
| Females                        | L1                     | L1                   |
| <b>Family/Household Income</b> |                        |                      |
| 1 income recipient - female    | L1                     | L1                   |
| 1 income recipient - male      | L1                     | L2                   |
| All other families/households  | L2                     | L2                   |
- (5) In cases where only total income was beyond the limit, as a first step, it was rounded to the applicable limit.
- (6) To ensure consistency between the sum of sources and total income, individual records were then subjected to the adjustment procedure described in Table 2.
-

**Table 2: Adjustments Made to Remove Inconsistencies Introduced by Rounding**

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After rounding of applicable sources and/or total income as outlined in Table 1, individual sources and total income were subjected to the following adjustment routine in order to ensure consistency between the sum of sources and total income:

**I. Adjustment of Sources**

- (1) If  $A > 0$  and  $B > 0$  and  $A < B$  then  $S_f = (S_i) (C/D)$
- (2) If  $A < 0$  and  $B < 0$  and  $A > B$  then  $S_{ef} = S_e + A - B$
- (3) No adjustment in all other cases

**II. Adjustment of Total Income**

$Y = \text{Sum of Sources (after adjustments above and including transfer payments)}$

A	=	Total income after rounding
B	=	Sum of sources after rounding
C	=	A less transfer payments
D	=	B less transfer payments
$S_i$	=	Rounded wages, self-employment, investment, retirement and other money income
$S_f$	=	Final wages, self-employment, investment, retirement and other money income on PUMF
$S_e$	=	Rounded self-employment income
$S_{ef}$	=	Final self-employment income on PUMF
Y	=	Final total income on PUMF

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**TABLE 3.** Distribution of individuals (unweighted sample) with Incomes Outside Positive and Negative Limits(1) in 1985, PUMF (individual), 1986 Census

Source outside limits	Sample count	Percent
One source	751	73.0
Wages and salaries	335	32.6
Self-employment income	304	29.5
Investment income	108	10.5
Retirement Income	2	0.2
Other money income	2	0.2
Two sources	27	2.6
Wages and self-employment	2	0.2
Wages and investment	15	1.5
Wages and Retirement Income	1	0.1
Self-employment and investment	6	0.6
Self-employment and Other Money Income	1	0.1
Investment and Retirement Income	1	0.1
Investment and Other Money Income	1	0.1
Three sources	1	0.1
Wages, self-employment and investment	1	0.1
Total income only	250	24.3
TOTAL	1,029	100.0

(1) See Table 1 for limits

**TABLE 4.** Number of Individuals, (unweighted sample) their Original and Changed Aggregate and Average Incomes, by Source, and Composition of Income in 1985, PUMF (Individual), 1986 Census

Number, aggregate income, average income and composition of income	Wages and salaries	Self- employment income	Investment income	Retirement pensions	Other money income	Government transfer payments	Total income
<b>1. Number of records</b>							
a) Total	500,434	500,434	500,434	500,434	500,434	500,434	500,434
b) With income	246,084	24,201	107,438	24,186	12,820	176,584	341,769
c) Changed	597	453	670	133	53	-	1,024
d) (c/b) Percent changed	0.2	1.9	0.6	0.5	0.4	-	0.3
<b>2. Aggregate income - dollars ('000)</b>							
a) Original	4,553,521	354,778	413,424	176,282	51,318	686,341	6,235,665
b) Change	-4007	-14817	-15677	-1493	-1184	-	-73279
c) Final	4,513,414	339,961	397,747	174,789	50,134	686,341	6,162,386
d) (b/a) - Percent changed	-0.9	-4.4	-3.9	-0.9	-2.4	-	-1.2
<b>3. Average - dollars</b>							
a) Original per recipient	18,504	14,660	3,848	7,289	4,003	3,887	18,245
b) Change	-163	-612	-146	-62	-92	-	-214
c) Final	18,341	14,047	3,702	7,227	3,911	3,887	18,031
<b>4. Composition of income - percent</b>							
a) Original	73.02	5.69	6.63	2.83	0.82	11.01	100.00
b) Final	73.24	5.52	6.45	2.84	0.81	11.14	100.00

**TABLE 5.** Comparison Between Census and PUMF Income Estimates (Weighted), by Source of Income, 1985

Income source	Census income estimates <sup>(1)</sup>	PUMF income estimates	Difference PUMF/CENSUS
	\$'000,000		percent
Wages and salaries	227,074.3	225,670.7	-0.6
Self-employment income	17,851.3	16,998.1	-4.8
Investment income	20,496.9	19,887.4	-3.0
Retirement Pension	8,727.4	8,739.5	0.1
Other money income	2,700.3	2,506.7	-7.2
Government transfer payments	34,540.3	34,317.0	-0.6
TOTAL	311,390.5	308,119.3	-1.1

(1) 1986 Census of Canada, Population, Total Income, Catalogue no. 93-114.

**TABLE 6.** Distribution of Aggregate Income of Individuals (weighted) in 1985, by Province - Census and PUMF (Individual) Estimates

Province	Dollars		Percent		Difference PUMF/Census
	Census(1)	PUMF	Census	PUMF	
	\$'000,000		percent		
Newfoundland	4,680.0	4,693.2	1.5	1.5	0.3
PEI	1,176.1	1,191.0	0.4	0.4	1.3
Nova Scotia	9,200.7	9,010.1	3.0	2.9	-2.1
New Brunswick	6,762.0	6,718.4	2.2	2.2	-0.6
Quebec	73,830.5	73,596.5	23.7	23.9	-0.3
Ontario	123,709.4	121,968.9	39.7	39.6	-1.4
Manitoba	12,101.8	11,954.0	3.9	3.9	-1.2
Saskatchewan	11,149.5	11,017.0	3.6	3.6	-1.2
Alberta	31,091.9	30,770.1	10.0	10.0	-1.0
British Columbia	36,798.3	36,373.0	11.8	11.8	-1.2
Yukon - N.W.T.	890.1	827.1	0.3	0.3	-7.1
CANADA	311,390.5	308,119.3	100.0	100.0	-1.1

(1)1986 Census of Canada, Population, Total Income, Catalogue no. 93-114

**TABLE 7.** Comparison Between Census, PUMF and Adjusted (1) Personal Income Estimates, by Source of Income, 1985

Income source	Census income estimates	PUMF income estimates	Adjusted personal income estimates	Census/Personal income	PUMF/Personal income
	\$'000,000			percent	
Wages and salaries	227,074.3	225,670.7	230,776.3	-1.6	-2.2
Self-employment income	17,851.2	16,998.1	19,212.6	-7.1	-11.5
Investment Income	20,496.9	19,887.4	36,929.0	-44.5	-46.1
Government Transfer payments <sup>(2)</sup>	33,128.2	32,919.4	44,567.1	-25.7	-26.1
Total <sup>(3)</sup>	298,550.7	295,475.6	331,485.0	-9.9	-10.9

(1) Adjustments to the Personal Income Estimates in the National Accounts were to compensate for differences of concepts and coverage.

(2) Total of comparable sources only; excludes child tax credits.

(3) Total of comparable sources only; excludes child tax credits, retirement pensions and other money income.

**TABLE 8.**      Average Income of Individuals in 1985, by province, Census and PUMF  
(Individual)

	Census <sup>(1)</sup>	PUMF	Difference
	Dollars		Percent
Newfoundland	14,156	14,245	0.6
PEI	13,739	13,962	1.6
Nova Scotia	16,030	15,784	-1.5
New Brunswick	14,870	14,828	-0.3
Quebec	17,057	17,077	0.1
Ontario	19,462	19,184	-1.4
Manitoba	16,796	16,643	-0.9
Saskatchewan	16,828	16,703	-0.7
Alberta	19,661	19,470	-1.0
British Columbia	18,571	18,365	-1.1
Yukon - N.W.T.	19,838	19,101	-3.7
Canada	18,188	18,031	-0.9

(1)1986 Census of Canada, Population, Total Income, Catalogue no. 93-114

**TABLE 9.** Percentage Distribution of Individuals 15 Years and Over, With Income, by 1985 Income Size Groups, Canada - Census and PUMF (Individual)

Income size group	Census <sup>(1)</sup>	PUMF
	percent	
Under 2,000 <sup>(2)</sup>	8.2	8.7
2,000 - 4,999	10.3	10.2
5,000 - 6,999	7.6	7.6
7,000 - 9,999	12.5	12.5
10,000 - 14,999	13.8	13.9
15,000 - 19,999	11.3	11.3
20,000 - 24,999	9.4	9.4
25,000 - 29,999	7.5	7.5
30,000 - 34,999	6.1	6.1
35,000 - 39,999	4.1	4.1
40,000 and over	8.7	8.7
TOTAL	100.0	100.0
Average income	\$18,188	\$18,031
Median income <sup>(3)</sup>	\$13,911	\$13,937

(1) 1986 Census of Canada, Population, Total Income, Catalogue no. 93-114

(2) Includes Loss

(3) Median Income calculated from the distribution in this table

## **Chapter 3 - Documentation**

### **1986 Census Reference Publications**

A variety of publications are available for users requiring more information and are grouped below according to the type of information they contain.

#### **(i) Concepts and Methodology**

##### **1986 Census Dictionary (Cat. No. 99-101E)**

The Dictionary defines all major census variables and terms, including the geographic terms, and discusses historical comparability of census data.

##### **1986 Census Handbook (Cat. No. 99-104E)**

The Handbook provides an overview of the census. Topics covered include a history of the census, the steps involved in taking a census, and a description of each question asked on the census questionnaire.

#### **(ii) Geography**

In addition to the 1986 Census Dictionary (99-101E), the user can consult: 1986 Census Geography: A Historical Comparison (Cat. No. 99-106E) and Census Metropolitan Areas and Census Agglomerations: A 1986-1981 Comparison (Cat. No. 99-105E).

These publications explain the geographic concepts used in the 1986 and previous censuses, and provide notes on historical comparability.

#### **(iii) Data Availability**

##### **1986 Census Products and Services - Final Edition (Cat. No. 99-103E)**

This document provides a complete list of all publications, their content and price. Information regarding data available in machine-readable form is also indicated.

### **How to Order Microdata Files**

Census Microdata Files are available from Electronic Data Dissemination Division (EDDD), formerly called CANSIM.



The following 1986 Census files are available:

File	Price
Individual	\$4,000
Household and Housing	\$2,000
Family	\$2,000

To order, complete the attached form (pink page) and return to:

Electronic Data Dissemination Division  
Census Unit  
Statistics Canada  
9th Floor, R.H. Coats Bldg.  
Ottawa, Ontario  
K1A 0T6

or contact the EDDD at (613) 951-8200.

#### **Conditions for Use of the Files**

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### NEWFOUNDLAND AND LABRADOR

Advisory Services  
Statistics Canada  
3rd Floor, Viking Building  
Crosbie Road  
St. John's, Newfoundland A1B 3P2  
Local calls: 709-772-4073  
Toll-free service: 1-800-563-4255

### MARITIME PROVINCES

Advisory Services  
Statistics Canada  
North American Life Centre  
1770 Market Street  
Halifax, Nova Scotia B3J 3M3  
Local calls: 902-426-5331  
Toll-free service: 1-800-565-7192

### QUEBEC

Advisory Services  
Statistics Canada  
Guy Favreau Complex  
200 René Lévesque Blvd. W.  
Suite 412, East Tower  
Montréal, Quebec H2Z 1X4  
Local calls: 514-283-5725  
Toll-free service: 1-800-361-2831

### NATIONAL CAPITAL REGION

Statistical Reference Centre (NCR)  
Statistics Canada  
Lobby, R.H. Coats Building  
Tunney's Pasture  
Ottawa, Ontario K1A 0T6  
Local calls: 613-951-8116  
If outside the local calling area, please dial the toll-free number for your province.

### ONTARIO

Advisory Services  
Statistics Canada  
10th Floor, Arthur Meighen Building  
25 St. Clair Avenue East  
Toronto, Ontario M4T 1M4  
Local calls: 416-973-6586  
Toll-free service: 1-800-268-1151

### NIPISSING REGION

Advisory Services  
Statistics Canada  
Civic Administration Centre  
225 Holditch Street  
Sturgeon Falls, Ontario P0H 2G0

Local calls: 705-753-3200

If outside the local calling area, please dial the toll-free number given above for Ontario residents.

### MANITOBA

Advisory Services  
Statistics Canada  
6th Floor, General Post Office Building  
266 Graham Avenue  
Winnipeg, Manitoba R3C 0K4  
Local calls: 204-983-4020  
Toll-free service: 1-800-542-3404

### SASKATCHEWAN

Advisory Services  
Statistics Canada  
9th Floor, Avord Tower  
2002 Victoria Avenue  
Regina, Saskatchewan S4P 0R7  
Local calls: 306-780-5405  
Toll-free service: 1-800-667-7164

### ALBERTA AND NORTHWEST TERRITORIES

Advisory Services  
Statistics Canada  
8th Floor, Park Square  
10001 Bellamy Hill  
Edmonton, Alberta T5J 3B6  
Local calls: 403-495-3027  
Toll-free service: 1-800-282-3907  
N.W.T. call collect: 403-495-3028

### SOUTHERN ALBERTA (CALGARY)

Advisory Services  
Statistics Canada  
Box 2390, Station M  
Room 245  
220 Fourth Avenue South East  
Calgary, Alberta T2P 3C1  
Local calls: 403-292-6717  
Toll-free service: 1-800-472-9708

### BRITISH COLUMBIA AND YUKON

Advisory Services  
Statistics Canada  
3rd Floor, Federal Building  
Sinclair Centre, Suite 440F  
757 West Hastings Street  
Vancouver, British Columbia V6C 3C9  
Local calls: 604-666-3691  
Toll-free service:  
(except Atlin, B.C.) 1-800-663-1551  
Yukon and Atlin, B.C.: Zenith 08913

**APPENDIX A**

**PUMF 1986  
INDIVIDUAL FILE  
RECORD LAYOUT**

<b>Field</b>	<b>Size</b>	<b>Position</b>	<b>Type</b>	<b>Mnemonic</b>	<b>Title</b>
1	2	1 - 2	N	PROV	Province
2	3	3 - 5	N	CMAPUST	Census Metropolitan Area Code
3	1	6	N	HHCLASS	Household Classification
4	2	7 - 8	N	HTYPE	Household Type
5	1	9	N	#UNITSP	Household Size
6	2	10 - 11	N	HHINCP	Total Household Income Groups
7	2	12 - 13	N	OMPP	Owner's Major Payments (Monthly)
8	1	14	N	GROS RTP	Monthly Gross Rent
9	2	15 - 16	N	RENT P	Monthly Cash Rent
10	1	17	N	EFSTAT	Economic Family Status
11	1	18	N	EFSIZE	Number of Persons in Economic Family
12	2	19 - 20	N	CFSTAT	Census Family Status and Living Arrangements
13	1	21	N	CFSIZE	Number of Persons in Census Family
14	1	22	N	MSCFINC	Major Source of Census Family Income
15	2	23 - 24	N	CFINCP	Total Census Family Income Groups
16	2	25 - 26	N	HHSTAT	Household Status - Relationship to Household Reference Person 1
17	2	27 - 28	N	AGEP	Age
18	1	29	N	SEXP	Sex
19	1	30	N	MARSTP	Marital Status

**PUMF 1986**  
**INDIVIDUAL FILE**  
**RECORD LAYOUT**

Field	Size	Position	Type	Mnemonic	Title
20	1	31	N	MOB5P	Mobility Status (Place of Residence on June 1, 1981)
21	2	32 - 33	N	PR5P	Province of Residence 5 years ago
22	1	34	N	LFACT71	Labour Force Activity (Based on 1971 Definition)
23	2	35 - 36	N	LFACT	Labour Force Activity
24	3	37 - 39	N	HRSWK	Hours worked in reference week
25	1	40	N	LSTWKP	When last worked
26	2	41 - 42	N	WKSWK	Weeks worked in 1985
27	1	43	N	FPTWK	Full-time or Part-time weeks worked in 1985
28	1	44	N	PRESCHP	Presence of Children
29	2	45 - 46	N	OCC81P	Occupation (1980 Classification Basis)
30	2	47 - 48	N	OCC71P	Occupation (1971 Classification Basis)
31	2	49 - 50	N	IND80P	Industry (1980 Standard Industrial Classification)
32	2	51 - 52	N	IND70P	Industry (1970 Standard Industrial Classification)
33	1	53	N	COWP	Class of Worker
34	2	54 - 55	N	HLOSP	Highest Level of Schooling
35	1	56	N	HGRAD	Highest Grade of Elementary or Secondary
36	1	57	N	PSUV	Years of University

**PUMF 1986**  
**INDIVIDUAL FILE**  
**RECORD LAYOUT**

<b>Field</b>	<b>Size</b>	<b>Position</b>	<b>Type</b>	<b>Mnemonic</b>	<b>Title</b>
37	1	58	N	PSOT	Years of other non-university education
38	1	59	N	TRNUC	Trades and other non-university certificates
39	2	60 - 61	N	DGREE	Highest degree, certificate or diploma
40	2	62 - 63	N	DGMFS	Major Field of Study
41	2	64 - 65	N	ETHNICOR	Ethnic Origin
42	1	66	N	VISMIN	Visible Minority Indicator
43	1	67	N	ABETHNIC	Aboriginal Ethnic Origin
44	1	68	N	DUETHNIC	Dutch Ethnic Origin
45	1	69	N	GEETHNIC	German Ethnic Origin
46	1	70	N	SCETHNIC	Scandinavian Ethnic Origin
47	1	71	N	HUETHNIC	Hugarian Ethnic Origin
48	1	72	N	POETHNIC	Polish Ethnic Origin
49	1	73	N	UKETHNIC	Ukrainian Ethnic Origin
50	1	74	N	CRETHNIC	Croatian, Serbian, etc. Ethnic Origins
51	1	75	N	GRETHNIC	Greek Ethnic Origin
52	1	76	N	ITETHNIC	Italian Ethnic Origin
53	1	77	N	PRETHNIC	Portuguese Ethnic Origin
54	1	78	N	JEETHNIC	Jewish Ethnic Origin
55	1	79	N	WAETHNIC	West Asian and Arab Ethnic Origins
56	1	80	N	SAETHNIC	South Asian Ethnic Origins

**PUMF 1986**  
**INDIVIDUAL FILE**  
**RECORD LAYOUT**

Field	Size	Position	Type	Mnemonic	Title
57	1	81	N	CHETHNIC	Chinese Ethnic Origin
58	1	82	N	FIETHNIC	Filipino Ethnic Origin
59	1	83	N	EAETHNIC	East/South East Asian Ethnic Origins
60	1	84	N	BLETHNIC	Black Ethnic Origin
61	2	85 - 86	N	BIRTPLAC	Place of Birth
62	1	87	N	OFFLANG	Official Language
63	2	88 - 89	N	HOMELANG	Home Language
64	2	90 - 91	N	MOTHERTG	Mother Tongue
65	1	92	N	CITIZENS	Citizenship
66	2	93 - 94	N	YRIMMIG	Year of Immigration
67	2	95 - 96	N	IMMIGAGE	Age at Immigration
68	7	97 - 103	N	TOTINCP	Total Income
69	7	104 - 110	N	WAGESP	Wages and Salaries
70	7	111 - 117	N	SELFIP	Self Employment Income
71	7	118 - 124	N	INVSTP	Investment Income
72	7	125 - 131	N	OASGIP	Old Age Security Pension and Guaranteed Income Supplement
73	7	132 - 138	N	CQPPBP	Canada/Quebec Pension Plan Benefits
74	7	139 - 145	N	FAMALP	Family Allowances
75	7	146 - 152	N	CHDCRP	Federal Child Tax Credits
76	7	153 - 159	N	UICBNP	Unemployment Insurance Benefits

**PUMF 1986**  
**INDIVIDUAL FILE**  
**RECORD LAYOUT**

Field	Size	Position	Type	Mnemonic	Title
77	7	160 - 166	N	GOVTIP	Other Government Transfer Payments
78	7	167 - 173	N	RETIRP	Retirement Pensions
79	7	174 - 180	N	OTINCP	Other Money Income
80	1	181	N	HMAINP	Household Maintainer Indicator
81	1	182	N	TENURP	Tenure
82	1	183	N	RCONDP	Tenure - Condominium
83	1	184	N	VALUEP	Value of Dwelling
84	2	185 - 186	N	ROOM	Number of Rooms

**APPENDIX B**

**Tables of Approximated Sampling Variability**

Notes or instructions enumerated below should be considered in any uses of tables of approximated sampling variability:

- (1) Sampling variabilities (coefficients of variation) are in percents.
- (2) To determine sampling variabilities for estimates of totals, locate the row closest to the estimated total. The left-most column gives the sampling variability.
- (3) To determine sampling variabilities for estimates of percentages, use the row closest to the numerator of the percentage and the column closest to the percentage.
- (4) Sampling variabilities in this table are crude indicators and in general are higher than those that would be obtained using more exact techniques. Under no circumstances are they official.



Table of Approximate Sampling Variability  
CANADA

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	22.3	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	15.8	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	12.9	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	11.2	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	10.0	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	9.1	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	8.4	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	7.9	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	7.4	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	7.1	7.0	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	6.7	6.7	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	6.5	6.4	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	6.2	6.2	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	6.0	5.9	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	5.8	5.7	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	5.6	5.6	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	5.4	5.4	5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	5.3	5.2	5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	5.1	5.1	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	5.0	5.0	4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	4.9	4.9	4.8	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	4.6	4.5	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	4.5	4.4	4.4	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****	4.1	4.0	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****	3.5	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****	3.3	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****	3.1	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****	3.0	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
70000	*****	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
85000	*****	2.4	2.4	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.3	0.8
90000	*****	2.3	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.7
95000	*****	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.3	0.7
100000	*****	2.2	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7
125000	*****	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.1	0.6
150000	*****	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.0	0.6
200000	*****	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.1	0.9	0.5
250000	*****	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.8	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
CANADA

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.7	0.4	
350000	*****	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.4	
400000	*****	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.6	0.4	
450000	*****	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.3	
500000	*****	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.5	0.3	
750000	*****	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.4	0.3	
1000000	*****	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.2	
1500000	*****	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	
2000000	*****	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	
3000000	*****	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.1	
4000000	*****	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	
5000000	*****	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	
6000000	*****	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	
7000000	*****	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	
8000000	*****	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	
9000000	*****	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	
10000000	*****	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	
12500000	*****	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
15000000	*****	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
NEWFOUNDLAND

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	*****	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	*****	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	*****	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	*****	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	*****	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	*****	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	*****	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	*****	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	*****	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	*****	*****	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	*****	*****	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	*****	*****	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	*****	*****	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	*****	*****	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	*****	*****	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	*****	*****	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	*****	*****	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	*****	*****	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	*****	*****	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	*****	*****	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****	*****	*****	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****	*****	*****	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****	*****	*****	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****	*****	*****	*****	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****	*****	*****	*****	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****	*****	*****	*****	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****	*****	*****	*****	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****	*****	*****	*****	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****	*****	*****	*****	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****	*****	*****	*****	2.7	2.6	2.5	2.4	2.3	2.2	2.2	2.0	1.6	0.9
65000	*****	*****	*****	*****	2.6	2.5	2.4	2.3	2.2	2.2	2.1	2.0	1.5	0.9
70000	*****	*****	*****	*****	2.5	2.4	2.3	2.2	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****	*****	*****	*****	2.4	2.3	2.2	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****	*****	*****	*****	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8	0.8
85000	*****	*****	*****	*****	*****	2.2	2.1	2.0	2.0	1.9	1.7	1.3	0.8	0.8
90000	*****	*****	*****	*****	*****	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.7	0.7
95000	*****	*****	*****	*****	*****	2.1	2.0	1.9	1.8	1.8	1.6	1.3	0.7	0.7
100000	*****	*****	*****	*****	*****	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7	0.7
125000	*****	*****	*****	*****	*****	*****	1.7	1.7	1.6	1.5	1.4	1.1	0.6	0.6
150000	*****	*****	*****	*****	*****	*****	*****	1.5	1.5	1.4	1.3	1.0	0.6	0.6
200000	*****	*****	*****	*****	*****	*****	*****	*****	1.2	1.2	1.1	0.9	0.5	0.5
250000	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.0	0.8	0.4	0.4	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
NEWFOUNDLAND

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****												0.7	0.4
350000	*****												0.7	0.4
400000	*****													0.4
450000	*****													0.3
500000	*****													0.3

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
PRINCE EDWARD ISLAND

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	*****	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	*****	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	*****	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	*****	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	*****	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****		15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****			12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****			10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****			9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****			8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****				8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****				7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****				7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****				6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****				6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****				6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****					5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****					5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****					5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****					5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****					5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****					4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****						4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****						4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****						4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****						4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****						4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****						4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****						4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****							3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****								3.2	3.0	2.9	2.7	2.1	1.2
40000	*****									2.9	2.7	2.5	1.9	1.1
45000	*****										2.6	2.4	1.8	1.1
50000	*****											2.4	1.7	1.0
55000	*****												2.1	1.0
60000	*****													2.0
65000	*****													1.5
70000	*****													1.5
75000	*****													1.4
80000	*****													1.4
85000	*****													1.3
90000	*****													0.7
95000	*****													0.7
100000	*****													0.7

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
NOVA SCOTIA

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	*****	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****		7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****		7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****		6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****		6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****		6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****		5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****		5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****		5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****		5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****			5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****			5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****			4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****			4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****			4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****			4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****			4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****			4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****			4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****			3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****			3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****				3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****				3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****				2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****				2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****				2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
70000	*****				2.5	2.5	2.4	2.3	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****				2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****				2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
85000	*****				2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.3	0.8
90000	*****					2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.7
95000	*****					2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.3	0.7
100000	*****					2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7
125000	*****					1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.1	0.6
150000	*****						1.6	1.6	1.5	1.5	1.4	1.3	1.0	0.6
200000	*****							1.4	1.3	1.3	1.2	1.1	0.9	0.5
250000	*****								1.2	1.1	1.1	1.0	0.8	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
NOVA SCOTIA

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****									1.0	1.0	0.9	0.7	0.4
350000	*****											0.8	0.7	0.4
400000	*****											0.8	0.6	0.4
450000	*****												0.6	0.3
500000	*****												0.5	0.3
750000	*****													0.3

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
NEW BRUNSWICK

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	*****	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	*****	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	*****	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	*****	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	*****	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	*****	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	*****	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	*****	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	*****	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	*****	*****	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	*****	*****	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	*****	*****	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	*****	*****	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	*****	*****	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	*****	*****	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	*****	*****	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	*****	*****	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****	*****	*****	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****	*****	*****	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****	*****	*****	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****	*****	*****	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****	*****	*****	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****	*****	*****	*****	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****	*****	*****	*****	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****	*****	*****	*****	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****	*****	*****	*****	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****	*****	*****	*****	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****	*****	*****	*****	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
70000	*****	*****	*****	*****	2.5	2.5	2.4	2.3	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****	*****	*****	*****	*****	2.4	2.3	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****	*****	*****	*****	*****	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
85000	*****	*****	*****	*****	*****	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.3	0.8
90000	*****	*****	*****	*****	*****	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.7
95000	*****	*****	*****	*****	*****	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.3	0.7
100000	*****	*****	*****	*****	*****	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7
125000	*****	*****	*****	*****	*****	*****	1.8	1.7	1.7	1.6	1.5	1.4	1.1	0.6
150000	*****	*****	*****	*****	*****	*****	*****	1.6	1.5	1.5	1.4	1.3	1.0	0.6
200000	*****	*****	*****	*****	*****	*****	*****	*****	1.3	1.3	1.2	1.1	0.9	0.5
250000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.1	1.0	0.8	0.4

NOTE: See instructions at the beginning of the Appendix



Table of Approximate Sampling Variability  
NEW BRUNSWICK

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****											0.9	0.7	0.4
350000	*****											0.8	0.7	0.4
400000	*****												0.6	0.4
450000	*****												0.6	0.3
500000	*****													0.3

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
QUEBEC

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	22.3	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	15.8	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	12.9	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	11.2	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	10.0	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	9.1	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	7.0	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	6.7	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	6.4	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	6.2	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	5.9	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	5.7	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	5.6	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	5.4	5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	5.2	5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	5.1	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	5.0	4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	4.9	4.8	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	4.7	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****	4.6	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****	4.5	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****	4.4	4.4	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****	4.1	4.0	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****	3.5	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****	3.3	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****	3.1	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****	3.0	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****	2.7	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.2	2.1	2.0	1.5	0.9
70000	*****	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1	2.1	1.9	1.5	0.8
75000	*****	2.6	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.8	1.4	0.8
80000	*****	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.4	0.8
85000	*****	2.4	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.7	1.3	0.8
90000	*****	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.8	1.6	1.3	0.7
95000	*****	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.3	0.7	
100000	*****	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7	
125000	*****	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.1	0.6	
150000	*****	1.8	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.3	1.0	0.6	
200000	*****	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.2	1.1	0.9	0.5	
250000	*****	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.8	0.4	

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
QUEBEC

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****			1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.7	0.4
350000	*****				1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.4
400000	*****				1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.6	0.4
450000	*****				1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.3
500000	*****				0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.5	0.3
750000	*****					0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.4	0.3
1000000	*****						0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.2
1500000	*****							0.5	0.5	0.5	0.4	0.4	0.3	0.2
2000000	*****								0.4	0.4	0.4	0.4	0.3	0.2
3000000	*****											0.3	0.2	0.1
4000000	*****												0.2	0.1
5000000	*****													0.1

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
ONTARIO

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	22.3	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	15.8	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	12.9	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	11.2	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	10.0	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	9.1	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	8.4	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	7.9	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	7.4	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	7.0	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	6.7	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	6.4	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	6.2	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	5.9	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	5.7	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	5.6	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	5.4	5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	5.2	5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	5.1	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	5.0	4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	4.9	4.8	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	4.7	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****	4.6	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****	4.5	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****	4.4	4.4	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****	4.1	4.0	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****	3.5	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****	3.3	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****	3.1	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****	3.0	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
70000	*****	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
85000	*****	2.4	2.4	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.3	0.8
90000	*****	2.3	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.7
95000	*****	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.6	1.3	0.7
100000	*****	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.6	1.2	0.7
125000	*****	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.4	1.1	0.6
150000	*****	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.3	1.0	0.6
200000	*****	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.2	1.1	1.1	0.9	0.5
250000	*****	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.8	0.8	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
ONTARIO

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****			1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.7	0.4
350000	*****			1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.4
400000	*****			1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.6	0.4
450000	*****			1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.3
500000	*****				0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.5	0.3
750000	*****				0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.4	0.3
1000000	*****					0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.2
1500000	*****						0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2
2000000	*****							0.4	0.4	0.4	0.4	0.4	0.3	0.2
3000000	*****								0.3	0.3	0.3	0.3	0.2	0.1
4000000	*****									0.3	0.2	0.2	0.1	
5000000	*****										0.2	0.1		
6000000	*****											0.2	0.1	
7000000	*****												0.1	
8000000	*****													0.1

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
MANITOBA

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****	*****	*****	*****	*****	*****	*****	*****	1.1	1.0	1.0	0.9	0.7	0.4
350000	*****	*****	*****	*****	*****	*****	*****	*****	1.0	0.9	0.8	0.8	0.7	0.4
400000	*****	*****	*****	*****	*****	*****	*****	*****	0.9	0.8	0.8	0.8	0.6	0.4
450000	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.7	0.7	0.7	0.6	0.3
500000	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.7	0.7	0.7	0.5	0.3
750000	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.7	0.7	0.7	0.5	0.3

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
MANITOBA

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	22.3	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	7.0	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****		6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****		6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****		6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****		5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****		5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****		5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****		5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****		5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****		5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****		4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****			4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****			4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****			4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****			4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****			4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****			4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****			3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****			3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****			3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****			3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****				2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****				2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****				2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
70000	*****				2.5	2.5	2.4	2.3	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****				2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****				2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
85000	*****				2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.3	0.8
90000	*****				2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.7
95000	*****				2.2	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.3	0.7
100000	*****				2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7
125000	*****					1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.1	0.6
150000	*****					1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.0	0.6
200000	*****						1.4	1.4	1.3	1.3	1.2	1.1	0.9	0.5
250000	*****							1.2	1.2	1.1	1.1	1.0	0.8	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
SASKATCHEWAN

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.0	1.0	0.9	0.7	0.4
350000	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.9	0.8	0.7	0.4	
400000	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.8	0.6	0.4		
450000	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.6	0.3		
500000	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.5	0.3			
750000	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.3				

NOTE: See instructions at the beginning of the Appendix



Table of Approximate Sampling Variability  
SASKATCHEWAN

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	*****	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2	
11000	*****	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1	
12000	*****	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0	
13000	*****	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0	
14000	*****	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9	
15000	*****	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8	
16000	*****	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8	
17000	*****	5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7	
18000	*****	5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7	
19000	*****	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6	
20000	*****	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6		
21000	*****	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5		
22000	*****	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5		
23000	*****	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5		
24000	*****	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4		
25000	*****	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4		
30000	*****	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3		
35000	*****	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2		
40000	*****	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1		
45000	*****	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1		
50000	*****	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	2.2	1.7	1.0		
55000	*****	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0			
60000	*****	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9			
65000	*****	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9			
70000	*****	2.5	2.5	2.4	2.3	2.2	2.2	2.1	1.9	1.5	0.8			
75000	*****	2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.4	0.8			
80000	*****	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.4	0.8			
85000	*****	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.3	0.8			
90000	*****	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.7			
95000	*****	2.2	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.3	0.7			
100000	*****	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7				
125000	*****	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.1	0.6				
150000	*****	1.6	1.6	1.5	1.5	1.4	1.3	1.0	0.6					
200000	*****	1.4	1.3	1.3	1.2	1.1	0.9	0.5						
250000	*****	1.2	1.1	1.1	1.0	0.8	0.4							

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
ALBERTA

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****					1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.7	0.4
350000	*****					1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.4
400000	*****						1.0	1.0	0.9	0.9	0.9	0.8	0.6	0.4
450000	*****						0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.3
500000	*****							0.9	0.8	0.8	0.8	0.7	0.5	0.3
750000	*****								0.7	0.6	0.6	0.6	0.4	0.3
1000000	*****											0.5	0.4	0.2
1500000	*****												0.3	0.2
2000000	*****													0.2

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
ALBERTA

Numerator of Percentage	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	22.3	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	15.8	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	7.0	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	6.7	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	6.4	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	6.2	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	5.9	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	5.7	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	5.6	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	5.4	5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	5.2	5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	5.1	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	5.0	4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	4.9	4.8	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	4.7	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****	4.6	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****	4.5	4.4	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****	4.4	4.4	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****	4.0	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	3.0	2.9	2.2	1.3
35000	*****	3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.5	2.1	1.2
40000	*****	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	2.4	1.9	1.1
45000	*****	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	2.4	1.8	1.1
50000	*****	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	1.7	1.0
55000	*****	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.6	0.9
60000	*****	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.5	0.8
65000	*****	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.4	0.8
70000	*****	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.3	0.7
75000	*****	2.5	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.2	0.7
80000	*****	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.1	0.6
85000	*****	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.1	0.6
90000	*****	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.1	0.6
95000	*****	2.2	2.2	2.1	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.1	0.6
100000	*****	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.1	0.6
125000	*****	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.3	1.2	1.1	0.9	0.5
150000	*****	1.7	1.7	1.6	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.7	0.4
200000	*****	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.8	0.6	0.4
250000	*****	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
BRITISH COLUMBIA

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****					1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.7	0.4
350000	*****					1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.4
400000	*****					1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.6	0.4
450000	*****						0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.3
500000	*****						0.9	0.9	0.8	0.8	0.8	0.7	0.5	0.3
750000	*****								0.7	0.7	0.6	0.6	0.4	0.3
1000000	*****										0.5	0.5	0.4	0.2
1500000	*****												0.3	0.2
2000000	*****													0.2

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
BRITISH COLUMBIA

Numerator of Percentage	Estimated Percentage														
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%	
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8	
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2	
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1	
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9	
1000	22.3	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1	
2000	15.8	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0	
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1	
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5	
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2	
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9	
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7	
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5	
9000	*****	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4	
10000	*****	7.0	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2	
11000	*****	6.7	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1	
12000	*****	6.4	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0	
13000	*****	6.2	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0	
14000	*****	5.9	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9	
15000	*****	5.7	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8	
16000	*****	5.6	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8	
17000	*****	5.4	5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7	
18000	*****	5.2	5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7	
19000	*****	5.1	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6	
20000	*****	5.0	4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6	
21000	*****	4.9	4.8	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5	
22000	*****	4.7	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5	
23000	*****	4.6	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5	
24000	*****	4.5	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4	
25000	*****	4.4	4.4	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4	
30000	*****	4.0	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3		
35000	*****	3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2		
40000	*****	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1		
45000	*****	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1		
50000	*****	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0		
55000	*****	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0		
60000	*****	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.6	0.9		
65000	*****	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.5	0.9		
70000	*****	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.4	0.8		
75000	*****	2.5	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.3	0.7		
80000	*****	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.2	0.7		
85000	*****	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.1	0.6		
90000	*****	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.1	0.6		
95000	*****	2.2	2.2	2.1	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.1	0.6		
100000	*****	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.1	0.6		
125000	*****	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.3	1.0	0.6		
150000	*****	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.2	1.1	0.9	0.5		
200000	*****	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.0	0.8	0.4			
250000	*****	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.8	0.4				

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
YUKON and NORTH-WEST TERRITORIES

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	*****	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	*****	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	*****	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	*****	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9	
1000	*****	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1	
2000	*****	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0		
3000	*****	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1		
4000	*****	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5			
5000	*****	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2			
6000	*****	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9			
7000	*****	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7			
8000	*****	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5				
9000	*****	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4				
10000	*****	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2				
11000	*****	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1				
12000	*****	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0					
13000	*****	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0					
14000	*****	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9					
15000	*****	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8					
16000	*****	4.8	4.7	4.5	4.3	4.0	3.1	1.8						
17000	*****	4.7	4.5	4.4	4.2	3.8	3.0	1.7						
18000	*****	4.6	4.4	4.2	4.1	3.7	2.9	1.7						
19000	*****	4.3	4.1	4.0	3.6	2.8	1.6							
20000	*****	4.2	4.0	3.9	3.5	2.7	1.6							
21000	*****	4.1	3.9	3.8	3.5	2.7	1.5							
22000	*****	4.0	3.8	3.7	3.4	2.6	1.5							
23000	*****	3.8	3.6	3.3	2.6	1.5								
24000	*****	3.7	3.5	3.2	2.5	1.4								
25000	*****	3.6	3.5	3.2	2.4	1.4								
30000	*****	3.2	2.9	2.2	1.3									
35000	*****	2.7	2.1	1.2										
40000	*****	1.9	1.1											
45000	*****	1.8	1.1											
50000	*****	1.7	1.0											
55000	*****		1.0											
60000	*****		0.9											
65000	*****		0.9											

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
MONTREAL

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	22.3	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	15.8	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	7.0	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	6.7	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	6.4	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	6.2	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	5.9	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	5.7	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	5.6	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	5.4	5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	5.2	5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	5.1	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	5.0	4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	4.9	4.8	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	4.7	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****	4.6	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****	4.5	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****	4.4	4.4	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****		4.0	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****		3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****		3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****		3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****		3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****		3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****			2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****			2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
70000	*****			2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****			2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****			2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
85000	*****			2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.3	0.8
90000	*****			2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.7
95000	*****			2.2	2.2	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.3	0.7
100000	*****			2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7
125000	*****			1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.1	0.6
150000	*****				1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.0	0.6
200000	*****				1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.1	0.9	0.5
250000	*****				1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.8	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
MONTREAL

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****					1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.7	0.4
350000	*****					1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.4
400000	*****					1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.6	0.4
450000	*****						0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.3
500000	*****						0.9	0.9	0.8	0.8	0.8	0.7	0.5	0.3
750000	*****							0.7	0.7	0.6	0.6	0.6	0.4	0.3
1000000	*****								0.6	0.5	0.5	0.5	0.4	0.2
1500000	*****												0.3	0.2
2000000	*****												0.3	0.2

NOTE: See instructions at the beginning of the Appendix



Table of Approximate Sampling Variability  
OTTAWA - HULL

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	*****	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.5	5.3	4.1	2.4
10000	*****	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.2	5.0	3.9	2.2
11000	*****	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.8	3.7	2.1
12000	*****	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.8	4.6	3.5	2.0
13000	*****	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.6	4.4	3.4	2.0
14000	*****	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.4	4.2	3.3	1.9
15000	*****	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.4	4.1	3.2	1.8
16000	*****	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.4	4.2	4.0	3.1	1.8
17000	*****	5.3	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.8	3.0	1.7
18000	*****	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.8	3.6	2.8	1.6
19000	*****	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.9	3.8	3.5	2.7	1.6
20000	*****	4.9	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.7	3.4	2.6	1.5
21000	*****	4.8	4.6	4.5	4.4	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
22000	*****	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.6	3.5	3.2	2.4	1.4
23000	*****	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.7	3.5	3.4	3.2	2.4	1.4
24000	*****	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5	3.4	3.2	2.4	1.4
25000	*****	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.4	3.2	2.9	2.2	1.3
30000	*****	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
35000	*****	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.5	2.4	1.8	1.1
40000	*****	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.6	2.4	2.2	1.7	1.0
45000	*****	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.6	0.9
50000	*****	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
55000	*****	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.4	0.8
60000	*****	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.4	0.8
65000	*****	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.3	0.7
70000	*****	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.2	0.7
75000	*****	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.1	0.6
80000	*****	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.0	0.6
85000	*****	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.0	0.6
90000	*****	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	0.9	0.5
95000	*****	2.1	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	0.9	0.5
100000	*****	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	0.8	0.4
125000	*****	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.6	0.4
150000	*****	1.6	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.5	0.3
200000	*****	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
250000	*****	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
OTTAWA - HULL

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****										1.0	0.9	0.7	0.4
350000	*****											0.8	0.7	0.4
400000	*****											0.8	0.6	0.4
450000	*****												0.6	0.3
500000	*****												0.5	0.3

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
TORONTO

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	22.3	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	15.8	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	12.9	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	7.0	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	6.7	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	6.4	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	6.2	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	5.9	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	5.7	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	5.6	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	5.4	5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	5.2	5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	5.1	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	5.0	4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	4.9	4.8	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	4.7	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****	4.6	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****	4.5	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****	4.4	4.4	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****	4.1	4.0	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****		3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****		3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****		3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****		3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****		3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****		2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****		2.7	2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
70000	*****		2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****		2.5	2.4	2.4	2.3	2.2	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****		2.4	2.4	2.3	2.2	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
85000	*****		2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.8
90000	*****		2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.6	1.3	0.7
95000	*****		2.2	2.2	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.6	1.3	0.7
100000	*****		2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.6	1.2	0.7
125000	*****		1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5	1.4	1.1	0.6
150000	*****		1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.0	0.6
200000	*****			1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.1	0.9	0.5
250000	*****				1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.8	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
TORONTO

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****	*****	*****	*****	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.7	0.4
350000	*****	*****	*****	*****	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.7	0.4
400000	*****	*****	*****	*****	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.6	0.4
450000	*****	*****	*****	*****	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.6	0.3
500000	*****	*****	*****	*****	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.5	0.3
750000	*****	*****	*****	*****	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.4	0.3
1000000	*****	*****	*****	*****	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.2
1500000	*****	*****	*****	*****	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2
2000000	*****	*****	*****	*****	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3000000	*****	*****	*****	*****	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
HAMILTON, KITCHENER, and ST. CATHERINES - NIAGARA

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	22.3	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	7.0	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	6.7	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****		6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****		6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****		5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****		5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****		5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****		5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****		5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****		5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****		4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****		4.8	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****		4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****		4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****			4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****			4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****			4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****			3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****			3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****			3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****			3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****			2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****				2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****				2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
70000	*****				2.5	2.5	2.4	2.3	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****				2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****				2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
85000	*****				2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.3	0.8
90000	*****				2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.7
95000	*****				2.2	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.3	0.7
100000	*****				2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7
125000	*****					1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.1	0.6
150000	*****					1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.0	0.6
200000	*****						1.4	1.4	1.3	1.3	1.2	1.1	0.9	0.5
250000	*****							1.2	1.2	1.1	1.1	1.0	0.8	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
HAMILTON, KITCHENER, and ST. CATHERINES - NIAGARA

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****	*****	*****	*****	*****	*****	*****	*****	1.1	1.0	1.0	0.9	0.7	0.4
350000	*****	*****	*****	*****	*****	*****	*****	*****	1.0	1.0	0.9	0.8	0.7	0.4
400000	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.9	0.9	0.8	0.6	0.4
450000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.8	0.7	0.6	0.3
500000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.5	0.3
750000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.4	0.3
1000000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.2

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
WINNIPEG

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	*****	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	*****	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	*****	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	*****	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	*****	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	*****	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	*****	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	*****	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	*****	*****	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	*****	*****	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	*****	*****	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	*****	*****	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	*****	*****	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	*****	*****	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	*****	*****	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	*****	*****	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	*****	*****	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	*****	*****	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****	*****	*****	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****	*****	*****	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****	*****	*****	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****	*****	*****	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****	*****	*****	*****	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****	*****	*****	*****	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****	*****	*****	*****	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****	*****	*****	*****	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****	*****	*****	*****	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****	*****	*****	*****	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****	*****	*****	*****	2.6	2.5	2.4	2.3	2.2	2.2	2.1	2.0	1.5	0.9
70000	*****	*****	*****	*****	2.5	2.4	2.3	2.2	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****	*****	*****	*****	2.4	2.3	2.2	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****	*****	*****	*****	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.8	1.4	0.8
85000	*****	*****	*****	*****	2.2	2.2	2.1	2.0	2.0	2.0	1.9	1.7	1.3	0.8
90000	*****	*****	*****	*****	2.2	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.3	0.7
95000	*****	*****	*****	*****	*****	2.1	2.0	1.9	1.8	1.8	1.8	1.6	1.3	0.7
100000	*****	*****	*****	*****	*****	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.2	0.7
125000	*****	*****	*****	*****	*****	*****	1.7	1.7	1.6	1.6	1.5	1.4	1.1	0.6
150000	*****	*****	*****	*****	*****	*****	1.6	1.5	1.5	1.4	1.4	1.3	1.0	0.6
200000	*****	*****	*****	*****	*****	*****	*****	1.3	1.2	1.2	1.1	1.1	0.9	0.5
250000	*****	*****	*****	*****	*****	*****	*****	*****	1.0	0.8	0.8	0.8	0.8	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
WINNIPEG

Numerator of Percentage	Estimated Percentage														
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%	
300000	*****												0.9	0.7	0.4
350000	*****													0.7	0.4
400000	*****													0.6	0.4
450000	*****														0.3
500000	*****														0.3

NOTE: See instructions at the beginning of the Appendix



Table of Approximate Sampling Variability  
REGINA and SASKATOON

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	*****	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	*****	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	*****	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	*****	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	*****	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	*****	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	*****	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	*****	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	*****	*****	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	*****	*****	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	*****	*****	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	*****	*****	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	*****	*****	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	*****	*****	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	*****	*****	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	*****	*****	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	*****	*****	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	*****	*****	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	*****	*****	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	*****	*****	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	*****	*****	4.7	4.6	4.5	4.3	4.2	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	*****	*****	4.6	4.5	4.4	4.2	4.1	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	*****	*****	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.7	3.4	2.6	1.5
23000	*****	*****	*****	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.5	3.2	2.6	1.5
24000	*****	*****	*****	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.4	3.2	2.5	1.4
25000	*****	*****	*****	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.4	3.2	2.4	1.4
30000	*****	*****	*****	3.9	3.8	3.7	3.5	3.4	3.3	3.2	3.2	2.9	2.2	1.3
35000	*****	*****	*****	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2	1.2
40000	*****	*****	*****	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.5	1.9	1.1	1.1
45000	*****	*****	*****	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.8	1.1
50000	*****	*****	*****	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.7	1.0
55000	*****	*****	*****	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	1.9	1.7	1.0
60000	*****	*****	*****	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.6	0.9
65000	*****	*****	*****	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5	0.9
70000	*****	*****	*****	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.4	0.8
75000	*****	*****	*****	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.3	0.8
80000	*****	*****	*****	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.2	0.7
85000	*****	*****	*****	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	0.6
90000	*****	*****	*****	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.0	0.6
95000	*****	*****	*****	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.0	0.6
100000	*****	*****	*****	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	0.9	0.5
125000	*****	*****	*****	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.4
150000	*****	*****	*****	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4
200000	*****	*****	*****	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4
250000	*****	*****	*****	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
REGINA and SASKATOON

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****													0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
CALGARY

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	*****	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	*****	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	*****	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	*****	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	*****	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	*****	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	*****	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	*****	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	*****	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	*****	*****	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	*****	*****	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	*****	*****	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	*****	*****	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	*****	*****	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	*****	*****	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	*****	*****	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	*****	*****	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	*****	*****	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****	*****	*****	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****	*****	*****	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****	*****	*****	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****	*****	*****	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****	*****	*****	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.5	1.9	1.1
40000	*****	*****	*****	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.6	2.4	1.8	1.1
45000	*****	*****	*****	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	2.2	1.7	1.0
50000	*****	*****	*****	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
55000	*****	*****	*****	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
60000	*****	*****	*****	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
65000	*****	*****	*****	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.5	0.8
70000	*****	*****	*****	2.5	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
75000	*****	*****	*****	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.3	0.7
80000	*****	*****	*****	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.2	0.7
85000	*****	*****	*****	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.1	0.6
90000	*****	*****	*****	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.0	0.6
95000	*****	*****	*****	2.1	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.0	0.6
100000	*****	*****	*****	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.0	0.5
125000	*****	*****	*****	1.8	1.7	1.7	1.6	1.5	1.4	1.3	1.2	1.1	0.9	0.5
150000	*****	*****	*****	1.6	1.5	1.5	1.4	1.3	1.2	1.1	1.0	0.8	0.4	0.4
200000	*****	*****	*****	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.4
250000	*****	*****	*****	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
CALGARY

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.9	0.7	0.4
350000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.4
400000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6	0.4
450000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6	0.3
500000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.3

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
EDMONTON

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	*****	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	*****	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	*****	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	*****	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	*****	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	*****	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	*****	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	*****	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****	*****	5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****	*****	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****	*****	*****	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****	*****	*****	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****	*****	*****	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****	*****	*****	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****	*****	*****	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****	*****	*****	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****	*****	*****	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****	*****	*****	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****	*****	*****	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****	*****	*****	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****	*****	*****	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****	*****	*****	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****	*****	*****	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	2.5	1.9	1.1
45000	*****	*****	*****	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	1.8	1.1
50000	*****	*****	*****	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	1.7	1.0
55000	*****	*****	*****	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	1.7	1.0
60000	*****	*****	*****	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.6	0.9
65000	*****	*****	*****	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.5	0.9
70000	*****	*****	*****	2.5	2.5	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.5	0.8
75000	*****	*****	*****	2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
80000	*****	*****	*****	*****	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.3	0.8
85000	*****	*****	*****	*****	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.8
90000	*****	*****	*****	*****	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.6	1.3	0.7
95000	*****	*****	*****	*****	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.6	1.3	0.7
100000	*****	*****	*****	*****	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.6	1.2	0.7
125000	*****	*****	*****	*****	*****	1.8	1.7	1.7	1.6	1.5	1.4	1.4	1.1	0.6
150000	*****	*****	*****	*****	*****	1.6	1.6	1.5	1.5	1.4	1.3	1.3	1.0	0.6
200000	*****	*****	*****	*****	*****	*****	1.3	1.3	1.3	1.2	1.1	1.1	0.9	0.5
250000	*****	*****	*****	*****	*****	*****	*****	1.1	1.1	1.1	1.0	0.8	0.8	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
EDMONTON

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.0	0.9	0.7	0.4
350000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.8	0.7	0.4
400000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6	0.4
450000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6	0.3
500000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.5	0.3

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
VANCOUVER

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
200	50.0	49.7	49.5	48.7	47.4	46.1	44.7	43.3	41.8	40.3	38.7	35.4	27.4	15.8
400	35.3	35.2	35.0	34.5	33.5	32.6	31.6	30.6	29.6	28.5	27.4	25.0	19.4	11.2
600	28.9	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.2	23.3	22.4	20.4	15.8	9.1
800	25.0	24.9	24.7	24.4	23.7	23.0	22.4	21.7	20.9	20.2	19.4	17.7	13.7	7.9
1000	22.3	22.2	22.1	21.8	21.2	20.6	20.0	19.4	18.7	18.0	17.3	15.8	12.2	7.1
2000	*****	15.7	15.7	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.2	8.7	5.0
3000	*****	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1	4.1
4000	*****	11.1	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
5000	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.7	7.1	5.5	3.2
6000	*****	9.1	9.0	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.5	5.0	2.9
7000	*****	8.4	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
8000	*****	7.9	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
9000	*****	7.4	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
10000	*****	7.0	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.2
11000	*****	6.7	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7	2.1
12000	*****	6.4	6.4	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
13000	*****	6.2	6.1	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
14000	*****		5.9	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3	1.9
15000	*****		5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.5	4.1	3.2	1.8
16000	*****		5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.5	4.3	4.0	3.1	1.8
17000	*****		5.4	5.3	5.1	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
18000	*****		5.2	5.1	5.0	4.9	4.7	4.6	4.4	4.2	4.1	3.7	2.9	1.7
19000	*****		5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
20000	*****		4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
21000	*****		4.8	4.8	4.6	4.5	4.4	4.2	4.1	3.9	3.8	3.5	2.7	1.5
22000	*****		4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
23000	*****		4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.3	2.6	1.5
24000	*****		4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
25000	*****		4.4	4.4	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
30000	*****			4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	2.9	2.2	1.3
35000	*****			3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
40000	*****			3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.5	1.9	1.1
45000	*****			3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
50000	*****			3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
55000	*****			2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.7	1.0
60000	*****			2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
65000	*****			2.7	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9
70000	*****				2.5	2.5	2.4	2.3	2.2	2.2	2.1	1.9	1.5	0.8
75000	*****				2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.8	1.4	0.8
80000	*****				2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.4	0.8
85000	*****				2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.7	1.3	0.8
90000	*****				2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.3	0.7
95000	*****				2.2	2.1	2.1	2.0	1.9	1.8	1.8	1.6	1.3	0.7
100000	*****				2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7
125000	*****				1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.1	0.6
150000	*****					1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.0	0.6
200000	*****					1.5	1.4	1.4	1.3	1.3	1.2	1.1	0.9	0.5
250000	*****						1.3	1.2	1.2	1.1	1.1	1.0	0.8	0.4

NOTE: See instructions at the beginning of the Appendix

Table of Approximate Sampling Variability  
VANCOUVER

Numerator of Percentage	Estimated Percentage													
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%	50.0%	70.0%	90.0%
300000	*****							1.1	1.1	1.0	1.0	0.9	0.7	0.4
350000	*****								1.0	1.0	0.9	0.8	0.7	0.4
400000	*****								0.9	0.9	0.9	0.8	0.6	0.4
450000	*****									0.8	0.8	0.7	0.6	0.3
500000	*****										0.8	0.7	0.5	0.3
750000	*****												0.4	0.3
1000000	*****													0.2

NOTE: See instructions at the beginning of the Appendix