

A D U L T E D U C A T I O N S U R V E Y

JANUARY 1984

M I C R O - D A T A D O C U M E N T A T I O N

ADULT EDUCATION SURVEY 1984

MICRODATA FILE SPECIFICATIONS

TITLE: Adult Education Survey

DATE: 1984

FILE SIZE: 91,538 Records

SUMMARY: Conducted as a supplement to the Labour Force Survey, the Adult Education Survey was designed to: 1) estimate the number of people being served by adult education; 2) determine the level of participation in adult education by region and socio-economic characteristics; and 3) estimate the number of people taking second language training through adult education.

REFERENCE PERIOD: January to December 1983

UNIVERSE: Civilian non-institutionalized population 17 years of age and over, excluding residents of the Yukon, Northwest Territories and Indian Reserves.

GEOGRAPHIC COVERAGE: Canada, excluding residents of the Yukon, Northwest Territories, and Indian Reserves

SAMPLE SIZE: 5 Rotation Groups of the Labour Force Survey, Approximately 92,000 individuals from 46,000 Households.

COLLECTION METHOD: Personal/telephone interview

COLLECTION PERIOD: January 9-14, 1984

SPONSOR: Education Support Branch, Department of the Secretary of State

OTHER FORMATS: Custom Tabulations Available on a cost-recovery basis

RELATED PUBLICATIONS: One in Five

PRICE: Micro-data file \$500.00 (five hundred dollars) + GST

INTRODUCTION:

The Adult Education Survey 1984 was conducted by Statistics Canada with the cooperation and support of the Department of the Secretary of State. This manual has been produced to facilitate the manipulation of the microdata file survey results.

Any questions about the data set or its use should be directed to:

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Introduction

The Adult Education Survey (AES) is being conducted as a supplement to the Labour Force Survey in January, 1984. It is being sponsored by the Education Support Branch of the Secretary of State.

Objective

This survey is one of three surveys being conducted by Statistics Canada to provide a complete picture of the education system beyond secondary school. The other surveys focus on current students and graduates of post-secondary institutions while this survey concerns a type of learning referred to as adult, continuing or part-time education.

The purposes of the Adult Education Survey are:

1. To provide an estimate of the number of persons being served by adult education. This type of learning may take place in libraries, churches or at work as well as more traditional settings such as evening classes, schools, colleges or universities. This diversity makes it necessary to conduct a survey to get a complete picture of the people participating, and this information will be used to assist in planning the financial support provided by the federal government to the education system;
2. To determine the accessibility of such education to all Canadians. The survey will provide information on the backgrounds of those involved and

Introduction

L'enquête sur l'éducation des adultes (EEA) complète l'enquête sur la population active de janvier 1984. Elle est parrainée par la Direction générale de l'aide à l'éducation du Secrétariat d'État.

Objectif

L'enquête sur l'éducation des adultes figure au nombre de trois enquêtes menées par Statistique Canada en vue de brosser un tableau détaillé du système d'éducation postsecondaire. Les deux autres enquêtes portent respectivement sur les étudiants et les diplômés d'établissements d'enseignement postsecondaire, alors que celle-ci se rapporte à une forme d'apprentissage désignée sous le nom d'éducation permanente (ou d'éducation des adultes), de formation continue ou d'études à temps partiel.

Les objectifs de l'enquête sur l'éducation des adultes sont les suivants:

1. Fournir une estimation du nombre de personnes desservies par le système d'éducation des adultes. En plus de se donner sous forme de cours du soir ou de cours réguliers dans les établissements d'enseignement traditionnels tels les écoles, les collèges et les universités, ce genre de formation peut être dispensée dans une bibliothèque, un établissement confessionnel ou en cours d'emploi. Étant donné la diversité qui caractérise les cours d'éducation des adultes, il est nécessaire de mener une enquête afin de pouvoir recueillir des renseignements complets sur les personnes qui suivent ce genre de cours. Ces renseignements serviront à aider à la planification des programmes d'aide à l'éducation du gouvernement fédéral;
2. Déterminer l'accessibilité des Canadiens à ce genre de formation. L'enquête permettra de recueillir des renseignements sur les antécédents des

the regions of the country in which they live. For example, we suspect that the adult education system may primarily serve persons who already have a high level of education. A result may be an attempt to make courses more generally available;

3. To obtain an estimate of the number of persons taking second language training. This will be part of an overall estimate of second language training at all levels of the school system.

This survey is the first of a series of similar surveys on adult education which will allow the Secretary of State to monitor the extent to which progress is being made on the objectives.

Survey Design

The survey is being conducted as a supplement to the Labour Force Survey. All persons 17 years of age and older will be included in the survey which will be conducted using 5 of the available 6 LFS rotation groups. The survey will use regular LFS interviewing procedures with the household respondent reporting for all eligible members of the household.

The sample should provide provincial estimates for major characteristics for most provinces.

Processing

The survey will be data captured in the Regional Offices and processed by Special Surveys Division. It is expected that final data will be released to the Secretary of State in mid-April and some analysis will be conducted for publication in late summer or early fall of 1984.

enquêtés et la région du pays où ils habitent. Par exemple, nous soupçonnons que le système d'éducation des adultes dessert essentiellement les personnes qui ont fait des études avancées. Ainsi, les résultats de l'enquête pourraient faire ressortir la nécessité d'accroître l'accessibilité à ce genre de formation;

3. Obtenir une estimation du nombre de personnes qui suivent des cours de langue seconde. Cette estimation fera partir d'une évaluation globale de l'apprentissage d'une langue seconde à tous les niveaux du système scolaire.

La présente enquête est la première d'une série d'enquêtes semblables portant sur l'éducation des adultes, qui permettront au Secrétariat d'État de déterminer à quel rythme on s'achemine vers la réalisation des objectifs.

Plan de sondage

Cette enquête est menée à titre de supplément de l'enquête sur la population active et elle s'adresse à toutes les personnes de 17 ans et plus, incluses dans l'échantillon de l'EPA. Elle sera menée auprès de cinq des six groupes de renouvellement de L'EPA, selon la méthode usuelle d'interview où l'enquêté répond pour tous les membres admissibles du ménage.

L'échantillon devrait permettre de faire des estimations visant les principales caractéristiques de la plupart des provinces.

Traitement

Les données de l'enquête seront collectées par les bureaux régionaux et traitées par la Division des enquêtes spéciales. On prévoit de communiquer les données définitives au Secrétariat d'État à la mi-avril. Des analyses seront publiées à la fin de l'été ou au début de l'automne prochain.

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1. **INTRODUCTION**

This documentation will allow analysts to use the micro-data file from the January 1984 Adult Education Survey. Any questions concerning the data set should be directed to either Gary Catlin or Mike Sivyer at the following address.

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2. **OBJECTIVES**

This survey is one of a set of surveys which are designed to provide a comprehensive statistical picture of the number of people involved in formal education beyond the elementary/secondary system, their background characteristics, their reasons for furthering their education, and so on.

The need for this comprehensive statistical picture, and for this particular survey, is related to the objectives of the federal government (in particular the Secretary of State) in support of education.

The federal objectives to which this survey relates are the following:

1. the general support objective, which is to help maintain and strengthen the post-secondary education capacity throughout Canada;
2. the educational opportunity objective, which is to facilitate the access and participation of all qualified and interested Canadians to formal learning; and
3. the official languages in education objective, which is to provide opportunities for the people of Canada to increase their knowledge of Canada's official languages through formal learning.

The goals and need for this survey stem from these particular objectives of the federal government in education. The general survey goals are:

1. to provide an estimate of the number of persons being served by the adult education system in various parts of the country. This is part of a unique opportunity to determine the total number of people participating at all levels of the post-secondary system and their background characteristics. This information is needed to assist evaluating the level of general financial support provided by the federal government to the education system (i.e. objective 1).
2. to determine the level of participation in the adult education system by socio-economic group and by region, which would assist in assessing the extent to which the educational opportunity objective is being met (or rather whether progress is being made in this objective). For example, it is suspected that the adult education system primarily serves persons with an already high level of education.

Given the second federal objective listed above, it is of interest to know the extent to which adult education serves as a vehicle whereby persons who did not take post-secondary training early in life can acquire further education or training. Related to this goal is the need to know something of the type of adult education taken, personal motives for taking it, and who paid for the training.

3. the third goal of the survey is to estimate the number of persons taking second language training through adult education.

This survey is intended to be the first of a series of similar surveys on adult education, which will allow the Secretary of State to monitor the extent to which progress is being made in the federal objectives listed earlier.

3. POPULATION

The AES is representative of the population of Canada, 17 years of age and older with the exception of inmates of institutions, full-time members of the armed forces and residents of Indian reserves, the Yukon and the Northwest Territories.

The lower age limit of 17 was selected to exclude the vast majority of those under that age who would be full-time secondary school students and who would be very unlikely to take an adult education course.

4. SURVEY DESIGN

This section provides a brief overview of the methodology of the Labour Force Survey, highlighting those aspects of the design felt to be of general interest to users. A detailed description of the methodology is available in the Statistics Canada publication entitled Methodology and the Canadian Labour Forces Survey, 1976 (Catalogue No. 71-526)

The LFS is a stratified multi-stage area sample which is based upon information from the 1971 Census of Canada. Basically, the sample consists of three main parts: self-representing units (SRU's), non-self-representing units (NSRU's) and special areas. Each of these parts is discussed separately below, following a brief discussion of the stratification.

4.1 Stratification

Stratification in an area frame is basically a process of classifying (usually compact) area units into certain collections called strata. Though the main advantage of stratified sampling is the possible increase in efficiency per unit cost in estimating the population characteristics, stratification also introduces considerable flexibility in the sense that, depending upon the information available, sampling and estimation procedures may differ from stratum to stratum. Further, in a continuous survey like the LFS, stratification provides an added flexibility of updating or redesigning the sample of

a specified stratum or groups of strata, without affecting the design in the remaining strata.

Each of the ten provinces in Canada is divided into a number of economic regions (ER's). An ER has areas of similar economic structure, based on recent information, and is stable over a period of time.

These ER's are treated as primary strata and further stratification is carried out within the self-representing and non-self-representing parts independently in each ER.

4.2 Self-Representing Units (SRU's)

SRU's are those cities whose population exceeds a certain predetermined value, this value varying from region to region¹. Some cities with population less than this lower limit are also classified as SRU's, in cases where they possess unique labour force characteristics. Within all SRU's the sample is selected independently so that each of them is represented in the survey by a sample of its own population and hence the name "self-representing".

The larger SRU's are subdivided into subunits, the subunit size ranging from 1,000 to 12,000 dwellings. These subunits are classified as built-up, fringe or combinations of built-up and fringe, depending upon potential for future growth. This classification helps to ensure geographic representativeness, as households in core areas of larger cities are likely to have different labour force characteristics than those in fringe areas.

Within each subunit a sample of clusters (normally a city block or block face) is selected by a sampling procedure known as the random group method. Clusters are randomized and assigned to groups and then within

¹ for example, SRU's in Ontario and Quebec are generally cities whose 1971 population exceeded 24,000 persons. In the Prairies, the population criterion is 15,000 persons.

each group a cluster is selected with probability proportional to the number of dwellings contained in it. Generally six clusters (and in some cases 12 clusters) are selected from each subunit.

The second and final stage of selection in the SRU's is the systematic selection of dwellings within selected clusters. This is done by first obtaining a listing of the dwellings in each cluster and then performing the selection. On average, approximately 5-6 dwellings are selected from a cluster.

In the 17 largest self-representing units a special selection is made of large apartment buildings (30 or more units and 5 or more stories) to improve the representativeness of the sample and to reduce the variance of the sample estimates. The sampling procedure for the apartment sample is similar to that of the regular sample, each apartment building constituting a cluster.

4.3 Non-Self-Representing Units (NSRU's)

The NSRU's are the areas outside the SRU's containing rural portions and small urban centers. Before discussing the selection stages used in the NSRU's it is necessary to briefly describe below how these areas are stratified.

4.3.1 Stratification within NSRU's

As mentioned earlier, the NSRU part of each economic region (ER) is further subdivided into a number of strata, based upon the following requirements:

- (i) The stratification variables should be related to the variables under study. In this case the stratification is intended specifically for the LFS, therefore, the stratification variables should be related to the characteristics of the labour force.
- (ii) The characteristics should be stable over time in order to retain the efficiency of stratification for a longer period of time.

- (iii) The number of persons having the characteristics should vary from area to area within the ER making meaningful the concept of similar and dissimilar areas with respect to the characteristics.
- (iv) The number of persons having the characteristic should account for a sizeable proportion of the ER population.

Following these guidelines, the proportions of the labour force employed by industry as reported by the 1971 Census were decided upon as the stratification groups for each ER. The seven categories considered for this purpose are: agriculture, forestry or fishing, mining, manufacturing, construction, transportation and services. Of these seven, the three best fulfilling requirements (iii) and (iv) above were used as stratification variables for ER.

Within each stratum in an ER, the NSRU sample is selected as described in the following subsections.

4.3.2 Primary Sampling Units (PSU's)

First, each stratum of an NSRU within an economic region is delineated into a number of primary sampling units (PSU's). The delineation was done in such a way that resulting PSU's represent the stratum within which they are located with respect to important labour force characteristics and with respect to the urban/rural population split of the stratum (according to 1971 Census figures). Generally between 2,000 and 2,500 population.

4.3.3 Clusters

Each urban center located within a selected PSU is further sub-divided into a number of clusters, a cluster being a well-defined area with boundaries recognizable both on the maps and in the field; they consist of somewhere between 2 and 50 households. A number of clusters are then selected from each group using systematic sampling with probability proportional to the number of households contained in

it. A similar procedure is used to define and select clusters in the rural groups of a selected PSU.

4.4 Special Areas

In addition to the SRU's, a small proportion of the LFS population is found in institutions such as hospitals, schools, hotels, on military establishments, in remote areas, etc. Because the labour force characteristics of people in these institutions are unique, and because some of these areas are not regularly accessible to LFS interviewers, they are handled by the special area frame, which for sampling purposes is divided into the following four strata: military establishments, hospitals, other institutions and remote areas. It may be noted that only the civilian population living on military establishments is included in the survey, and that, in the case of institutions, inmates of the institutions are not included in the survey.

The special areas are sampled in three stages. The first stage units correspond to census enumeration areas, and are selected systematically with probability proportional to size, the eligible labour force population as of the 1971 Census being the size measure. Subsequent stages of sampling are clusters and households, as described earlier.

4.5 Sample Rotation

Each household in the LFS sample remains in the sample for a period of six consecutive months. After the sixth month, the household "rotates out" of the sample and is replaced by a new household. One sixth of the sample is rotated out in this manner each month and a new sixth is brought in to replace it. This rotation, as it is called, is done primarily to minimize the non-response that might occur if respondents were asked to remain in the survey for a longer period of time. The Adult Education Survey was conducted using Rotation Groups 2, 3, 4, 5 and 6 in the January 1984 Labour Force Survey.

5. **COLLECTION**

The interviewing was done using the regular interviewing procedures of the Labour Force Survey. Data were collected during the week of January 9-14, 1984. Most of the labour force variables relate to the reference week of January ??-??, 1984. A questionnaire was completed for one randomly selected person in each household with one person 17 to 64.

6. **PROCESSING**

Data entry was completed in the Statistics Canada Regional Offices using the mini computers situated there. Following capture, the data were subjected to validation, edit and correction procedures.

Partial non-response to the AES was identified by subjecting the raw data to an exhaustive computer edit. Records with missing or inconsistent data were given non-response codes.

7. **DATA OUTPUT**

The Department of the Secretary of State and Statistics Canada have jointly published a report titled "One in Every Five: A Survey of Adult Education in Canada". It is available through the Education, Culture and Tourism Division of Statistics Canada or the Education Support Branch of Secretary of State.

8. **ESTIMATION**

8.1 **Introduction**

The principle behind the estimation procedure in a probability sample such as the LFS is that each person in the sample "represents", beside himself or herself, several other persons not in the sample. For example, in a simple random sample of 2%, each person in the sample represents 50 persons in the population. This could be achieved by producing 50

duplicates of each record in the sample, and then proceeding to compile any aggregates of cross-classifications which would now refer to the entire population, and would represent the estimates for the corresponding quantities in the population as obtained from the 2% sample.

For the LFS the file created for tabulation purposes contains one record per selected person in the sample. Each record contains all labour force and demographic characteristics concerning selected individuals. Instead of physically duplicating the sample records, an overall weighting factor is placed on each record. The weighting factor refers to the number of times a particular record should be duplicated. For example, if the number of persons employed in manufacturing is to be estimated, this is done by selecting the records referring to those persons in the sample employed in manufacturing and summing the weights entered on these records.

In a probability sample, the sample design itself determines weights which may be used to produce unbiased estimates. Each record may be weighted by the inverse of the probability of selecting the person to whom the record refers (in the example of the 2% random sample this probability would be 0.02 for each person and so the records could be weighted by $1/0.02 = 50$). This may be called the simple estimate.

Frequently we come across situations where objective information on certain relevant characteristics for the same universe is available from sources other than the survey itself. There are several estimation methods which utilize such auxiliary information in order to increase the reliability of the estimate. Ratio estimation is one of the most prevalent techniques of utilizing relevant information external to the survey. The main principle of ratio estimation may be summarized as follows: suppose that simple estimates of aggregates are produced for certain classifications of the population (e.g. for age-sex groups or for the population in rural and urban areas, etc.) utilizing the simple estimating procedure described above. Assume also that reliable estimates or actual counts are available by aggregates from sources outside the survey for the

same classifications of the population. One may then compare the estimates derived from the survey with those obtained from outside sources. The estimates from the outside sources are divided by the simple estimates for each classification and the weights of the records in each classification are adjusted by multiplying the weights by this factor. After the adjustment of the weights the estimated aggregates will now agree with the estimate from the independent source for each classification. Ratio estimation is quite simple as compared to other methods of using external information, and at the same time results in increased efficiency. The choice of external information is however, very crucial to the procedure, as it leads to higher efficiency only if such information is highly correlated with the characteristics of interest in the survey.

8.2 LFS Weights

In the LFS, the final weight attached to each record is the product of five factors. These are the basic weight, rural-urban factor, balancing factor for non-response, cluster subweight and province age-sex adjustment (ratio estimate). Each of these is described below.

8.2.1 Basic Weight

The sample design itself determines a set of basic weights to be applied to each record referring to persons in the sample. This is called the basic weighting factor. The sample design is such that within the same province and same type of area (NSRU, SRU or special area), the basic weights are identical (except where specified) for each record (person) in the sample and are equal to the inverse of the sampling ratio. If data on all sampled households are available then the simple estimate is derived by applying the basic weights to each record in the sample.

8.2.2 Rural-Urban Factor

Each primary sampling unit in the NSRU is composed of rural and urban areas, and the proportion of population belonging to the area differs from province to province and also from stratum to stratum within each province. Information concerning the total population in rural and urban areas is available from the 1971 Census for each PSU as well as for each province. Using the selected PSU's only, and dividing their 1971 rural or urban population by the known probability of selection, a "simple estimate" of the 1971 rural or urban population is obtained for each province. Comparison by province with the actual 1971 rural or urban census counts indicates whether the selected PSU's over - or under-represent the respective areas. The ratio of the actual rural-urban counts is divided by the corresponding estimates. These two factors are computed for each province and are used in the form of ratio estimates. These two factors are computed at the time of the selection of the PSU's, and are entered on each sample record according to the appropriate area of that province. Changes in these factors are incorporated at the time of PSU rotations.

8.2..3 Balancing Factor for Non-response

Some non-response is virtually certain to occur in any survey of human populations whether it is because there is no one at home during the enumeration or for some other reason. In the LFS each month, the sample design completely specifies the households that are to be interviewed during interview week. Each interviewer is assigned a set of households and is given firm instructions to make every effort to interview these households. If, in spite of all attempts by the interviewer, certain households remain non-respondent, then the interviewer is asked to provide a reason for non-response for each of these households. Non-interviews fall into two basic categories:

- (a) non-respondent households (Codes N, R, T, K, L, A, Z)
- (b) Vacant or non-existent dwellings (Codes V, S, C, B, D)

The definitions of the non-interview codes and their algebraic definitions are presented below:

Let $n()$ = no. of dwellings/households with response to status

Then, interviews = $n(X) + n(E)$

non-response = $n(T) + n(N) + n(R) + n(K) +$
 $n(A) + n(A9) + n(L) + n(Z)$

vacants = $n(V) + n(S) + n(C) + n(B)$

non-existent dwellings = $n(D)$

(i) actual no. of households = interviews +
non-response

(ii) selected no. of dwellings = actual no. of
households +
vacants +
non-existing
dwellings

(iii) overall non-response rate = $\frac{\text{non-response}}{\text{actual no. of households}} \times 100$

INTERVIEW/NON-INTERVIEW CLASSIFICATIONS

CATEGORY	CODE	EXPLANATION
Interview	X	Completed interview - LFS questionnaire completed for all eligible members of the household.
	E	Parital interview - LFS questionnaire completed for some, but not all, eligible members of the household.
Non-Response	T	Household temporarily absent.
	N	No one at home.
	R	Refusal
	K	No interview due to circumstances within the household (e.g. sickness, death, language problem)
	A	No interviewer available
	L	No interview due to weather conditions.
Vacant	Z	"No Shows" - survey forms arrived too late for processing or were lost in the mail.
	V	Vacant dwellings.
	S	Vacant seasonal dwellings.
	C	Dwelling under construction
	B	Usual place of residence elsewhere, military or embassy personnel.
Non-existent	D	Dwelling was demolished, removed, converted into business premises or listed in error.

$$\text{(iv) refusal rate} = \frac{n(R)}{\text{actual no. of households}} \times 100$$

(similar definitions for T rate, N rate and A rate, etc.)

In certain types of non-response such as "no one at home", "refusal to answer questions", or a "temporarily absent household" if the previous month's responses are available, then records are copied with suitable transformations being applied to certain fields, and the response status is changed to that of the previous month. For estimation purposes these households are treated in the same way as any other responding household. These records are then flagged so that records will not be copied for more than one consecutive month.

To compensate for other types of non-response, such as "no call made due to weather conditions", "no interviewer available", newly rotated households which are non-respondent or households which are non-respondent for the second consecutive month, the "interviewed" households have their weight increased by a balancing factor. Balancing is carried out within each balancing unit.

In the NSR areas, each sampled PSU is divided into two balancing units (a-urban and b-rural parts), and in the SRU's each subunit is a balancing unit. For each balancing unit the number of households which should have been interviewed is divided by the number actually interviewed or imputed for on the basis of last month's records, and this ratio (the balancing factor) is then entered on each sample record in that balancing unit. This ratio is based on the assumption that the households that have been interviewed represent the characteristics of the households that should have been interviewed. However, if this assumption is not true, the estimates will be biased and the bias will increase with a high rate of non-response. The exact magnitude of bias introduced by the adjustment for non-response is impossible to calculate. Consequently, rather than depending entirely on the adjustments for non-response, every effort is made to reduce it in the field.

8.2.4 Cluster Subweight

Each interviewer is assigned a specific set of households to enumerate during the interview week of each month. In the NSRU's each PSU is designed to yield an expected take suitable to make up an interviewer assignment, while the SRU assignments are formed from contiguous subunits taking into account the expected sample take at the design stage.

Further, each cluster has been designed to yield a sample take of two to three or four to six households respectively in NSRU or SRU areas. The actual take is fairly robust against departures from these figures when growth is moderate; indeed, each 100% increase in the number of households listed in a cluster versus design count results in an increase of only two to six households. Thus, substantial growth can be withstood in an isolated cluster before the additional take presents a field problem. If growth takes place in more than one cluster in an assignment, then the cumulative effect of smaller increases may create a problem. In clusters where substantial growth has taken place, sub-sampling may be resorted to as a means of avoiding disruptions in field operations. Rather than enumerate all the households which should be selected, the inverse sampling ratio of the cluster is modified, say to k times its original value, which results in only 1 out of every k originally selected households being selected. The records for these households are then weighted by an additional factor equal to k , as each of these records represent k times as many records as was expected by design.

8.2.5 Age-Sex Adjustment

By applying the previously described four weighting factors, a valid estimate could be derived for any aggregates for which information was obtained during the enumeration. In weighting, estimates of the total number of persons are produced in each of the ten provinces in each of 40 age-sex groups. Independent estimates are available monthly for the totals in these 400 province-age-sex classes, by projecting forward the 1976 Census counts. In each class the independent estimate is divided by the

simple estimate and this ratio is called the province-age-sex factor (ratio estimate). This factor is entered on all records belonging to the appropriate class.

8.2.6 Final LFS Weight

The final weight for each record is the product of the five factors described above. In the final tabulations the estimated aggregate of each classification is obtained by summing the final weights of those records which indicate the presence of the characteristics. For example, to obtain the estimated aggregate of unemployed, the final weights of those records that indicate "unemployment" are summed.

8.3 Supplementary Survey Weighting

The principles of the calculation of weights for the LFS itself and for supplementary surveys are identical. However, modifications are usually necessary for two reasons:

- (1) The supplement is often conducted by using only a sub-sample of the full LFS (e.g. Rotation Groups 1, 2, 4, 5 and 6 in the case of the AES).
- (2) The non-response of the LFS and the supplement differ. For example, a household may answer the LFS, but refuse the supplement. A more common situation is when the household cannot be interviewed at all, but the LFS data can be "imputed" from previous month's data. This shows up as a "response" to the LFS and a "non-response" to the supplement.

The methods usually adopted to account for these differences are, respectively:

- (1) adjust the LFS subweight (the product of the first four factors in the LFS weight) by the appropriate "sample reduction" factor. For example, when 5 out of 6 rotation groups are

interviewed for the supplement, multiply the LFS subweight by 1.2.

- (2) rebalance the LFS subweight to account for the (additional) non-response to the supplement. The adjustment factor usually used is:

$$\frac{\text{number of persons expected to be enumerated}}{\text{number of persons actually enumerated}}$$

The balancing units used for the supplement are ideally the same as those for the LFS, although if the amount of sub-sampling is substantial, balancing units must be collapsed (i.e. combined).

For further documentation concerning estimation procedures for LFS supplements users may contact:

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9. RELEASE POLICY AND DATA RELIABILITY

Users are required to apply the following guidelines before releasing any data derived from the AES. With the aid of this policy, users of micro-data should be able to produce the same figures as those produced by Statistics Canada and, at the same time, will be able to develop currently unpublished figures in a manner consistent with the established policy for rounding and release of Labour Force Survey and Labour Force Supplementary Survey data. The guidelines can be broken into three sections - sampling variability policy, rounding policy and weighting policy.

9.1 Sampling Variability Policy

The estimates derived from this survey are based on a sample of households. Slightly different figures might have been obtained if a complete census had been taken using the same questionnaires, interviewers, supervisors, processing methods, etc.

as those actually used. The difference between the estimate obtained from the sample and the results from a complete count taken under similar conditions is called the sampling error of the estimate.

It is obvious that the sampling error of the estimate, as defined above, cannot be measured from sample results alone (otherwise a survey would be unnecessary). However, a statistical measure of sampling error, the standard deviation, can be estimated from the sample data themselves. Using the standard deviation, confidence intervals for estimates (ignoring the effects of non-sampling error) may be obtained under the assumption that the estimates are normally distributed about the true population value. The chances are about 68 out of 100 that the difference would be less than two standard deviations, and virtual certainty that the differences would be less than three standard deviations.

Because of the large variety of estimates that can be produced from a survey, the standard deviation is usually expressed relative to the estimate to which it pertains. The resulting measure, known as the coefficient of variation of an estimate, is obtained by dividing the standard deviation of the estimate by the estimate itself, and is expressed as a percentage of the estimate. Before releasing and/or publishing any estimates from this micro-data tape, users should determine its coefficient of variation and follow the guidelines below.

The publishability or other releasability of an estimate is governed by the coefficient of variation (cv) of the estimate. Table 2 summarizes the sampling variability policy.

TABLE 2
SAMPLING VARIABILITY POLICY

TYPE OF ESTIMATE	COEFFICIENT OF VARIATION (IN %)	ALPHABETIC INDICATORS	POLICY STATEMENT
1. Unqualified	0.0 to 0.5 0.6 to 1.0 1.1 to 2.5 2.6 to 5.0 5.1 to 10.0 10.1 to 16.5	A B C D E F	Estimates can be considered for general unrestricted release. No special notation is required, although the alphabetic indicators at left are suggested
2. Qualified	16.6 to 25.0	G	Estimates can be considered for general unrestricted release but should be accompanied by a warning cautioning users of the high sampling variability associated with the estimates. Such estimates should be identified by the letter G (or in some other similar fashion
3. Restricted	25.1 to 33.3	H	Estimates can be considered for general unrestricted release only when sampling variabilities are obtained using the Labour Force Survey variance calculation procedure.
4. Not for Release (i) 33.4 (ii) any estimate of less than 4,000 (after rounding) regardless of cv		J	Estimates cannot be released in any form under any circumstances. In statistical tables, such estimates should be deleted and replaced by dashes (--).

NOTE: The sampling variability policy should be applied to rounded estimates.

9.2 Where to Obtain Sampling Variabilities

Sampling variabilities may be obtained from two sources, each of which is detailed below.

9.2.1 Actual Variance Estimates

Variance estimates may be generated for specific variables. Actual variance estimates for specific variables may be obtained on a special cost recovery basis. As noted in Table 2 use of actual variance estimates allows users to release estimates which fall into the restricted range.

9.2.2 Crude Sampling Variability Tables

Derivation of sampling variabilities for each of the estimates which could be generated from the AES would be an extremely costly procedure, and, for most users, an unnecessary one. Consequently, crude measures of sampling variability have been developed for use.²

The attached tables provide crude measures of sampling variability for each of the provinces, five regions and Canada. Assistance can be obtained from Statistics Canada if there are questions about the releaseability of particular estimates.

² The coefficients of variation are derived using the variance formula for simple random sampling, incorporating an assumed design effect of 2.0. The design effect is defined as the ratio of the variance of an estimate from the LFS to the variance from a simple random sample of the same size.

9.3 Rounding Policy

In publishing or releasing data, users should use normal rounding in order to be consistent with similar estimates released by Statistics Canada. Otherwise, the rounding technique used should be documented in data to be released. As a general principle, calculations should be performed on unrounded aggregates (i.e., carrying the four decimal places in the record weights) or on aggregates rounded to units. If, for example, percentages calculated on aggregates rounded to thousands are released, this fact should be documented in providing the results, as they may disagree with corresponding percentages obtained directly from Statistics Canada, which would be calculated on data rounded to units.

9.4 Weighting Policy

Users are cautioned against releasing unweighted tables or any analysis based on unweighted survey results. Since the Labour Force Survey is not a simple random sample, it cannot be considered to be representative of the surveyed population until the appropriate weights are applied.

Users should note that some software packages may not allow the generation of estimates which exactly match those published by Statistics Canada. This is due to their treatment of the weight.

ADULT EDUCATION SURVEY QUESTIONNAIRE

Statistics Canada / Statistique Canada
 ADULT EDUCATION SURVEY
 CONFIDENTIAL when completed
 Docket No. 2 Survey date 3 Assignment No. 4
 HRD page - line No. 5 Given name 6 Surname 7 FORM NO 06

THIS SURVEY CONCERNS ANY COURSES, CLASSES OR INSTRUCTION ... HAS TAKEN DURING THE PAST YEAR. THESE WOULD INCLUDE INSTRUCTION TO IMPROVE JOB SKILLS, UPGRADE ACADEMIC QUALIFICATIONS, FOR PERSONAL DEVELOPMENT OR FOR RECREATION AND LEISURE.

10. WAS ... A FULL-TIME STUDENT AT A SCHOOL, COLLEGE OR UNIVERSITY DURING 1983?

Yes ☐ No ☐ Go to 11
 READ

IN THE FOLLOWING QUESTIONS DO NOT INCLUDE CLASSES OR COURSES THAT WERE PART OF ... FULL-TIME COURSE OF STUDIES.

11. DURING 1983, DID ... ENROLL IN ANY COURSES TO UPGRADE ACADEMIC QUALIFICATIONS?

Yes ☐ No ☐ Don't know ☐

12. DURING 1983, DID ... RECEIVE ANY INSTRUCTION OR TRAINING TO UPGRADE JOB SKILLS, INCLUDING COURSES TAKEN AT WORK?

Yes ☐ No ☐ Don't know ☐

13. DID ... ENROLL IN ANY CLASS OR COURSE FOR PERSONAL INTEREST OR TO DEVELOP PRACTICAL KNOWLEDGE SUCH AS AN ART OR CRAFT CLASS, DURING 1983?

Yes ☐ No ☐ Don't know ☐

14. DURING 1983 DID ... ENROLL IN ANY OTHER KIND OF COURSE, CLASS OR PROGRAM OF INSTRUCTION?

Yes ☐ No ☐ Don't know ☐

15. OTHER THAN FULL-TIME COURSES, DURING 1983, DID ... TAKE A COURSE TO LEARN A SECOND LANGUAGE?

Yes ☐ No ☐ Don't know ☐ Go to 17

16. WHAT LANGUAGE WAS THAT? (Mark all that apply)

English ☐ French ☐ Other ☐

17. INTERVIEWER CHECK ITEM:

• If "Yes" in question 11, 12, 13, 14 or 15 ... ☐ Go to 18
 • Otherwise ... ☐ Go to 26

18. IN TOTAL HOW MANY COURSES DID ... TAKE DURING 1983? (Excluding full-time enrolment.)

Number Don't know ☐

19. THE NEXT FEW QUESTIONS CONCERN THE LAST COURSE ... TOOK IN 1983. WHAT WAS THE TITLE OR NAME OF THE LAST COURSE ... TOOK? (Specify)

20. WAS THAT COURSE ... (Mark only one)

An academic course? ☐
 A job-related course? ☐
 A hobby, craft, or recreation course? ☐
 A personal development, general interest course? ☐
 Other ☐
 Don't know ☐

21. WHO ORGANIZED THE LAST COURSE ... TOOK. THAT IS, WHO OFFERED THE COURSE?

Code

22. WHICH WAS THE MORE IMPORTANT REASON FOR TAKING THIS COURSE, TO

Improve job opportunities? ☐
 Or for personal interest and development? ☐
 Don't know ☐

23. HOW MANY HOURS OF INSTRUCTION WERE THERE EACH WEEK?

Hours Don't know ☐

24. HOW MANY WEEKS DID THE COURSE LAST?

Weeks Don't know ☐

25. WHO PAID THE FEE OR TUITION FOR THE COURSE?

Self or family ☐
 Employer ☐
 Other (Specify in Notes) ☐
 No fee ☐
 Don't know ☐

THESE LAST FEW QUESTIONS CONCERN ... BACKGROUND.

26. WHAT IS THE LANGUAGE ... MOST OFTEN SPEAKS AT HOME? (Mark only one)

English ☐ French ☐ Other ☐

27. WHAT IS THE LANGUAGE ... FIRST LEARNED IN CHILDHOOD AND STILL UNDERSTANDS? (Mark only one)

English ☐ French ☐ Other ☐

28. WHERE WAS ... BORN?

In Canada ☐ Go to 30 Outside Canada ☐

29. IN WHAT YEAR DID ... FIRST IMMIGRATE TO CANADA?

Don't know ☐

30. WHAT IS THE HIGHEST LEVEL OF EDUCATION ACHIEVED BY ... PARENTS?

Mother Father



MEMORANDUM - NOTE DE SERVICE

April 9, 1984

Date

Gary Catlin

To - À

From - De Wilma Shastry

Subject - Objet Adult Education Survey -- Jan. 1984

Attached are the release cutoffs for the 1984 Adult Education Survey. Estimates are releasable with a cautionary note if they are greater than or equal to the 25% c.v. cutoff, and are releasable without qualification if they are greater than or equal to the 16.5% c.v. cutoff. Estimates less than the 25% c.v. cutoff are not releasable.

Province	16.5 Cutoff	25.0 Cutoff
Nfld.	5,990	2,627
P.E.I.	3,053	1,354
N.S.	8,167	3,578
N.B.	5,879	2,573
QUE.	30,014	13,095
ONT.	34,082	14,862
MAN.	9,120	3,993
SASK.	7,167	3,134
ALB.	14,436	6,307
B.C.	21,307	9,317
CANADA	18,364	7,989

**CRUDE SAMPLING VARIABILITY TABLES FOR ADULT EDUCATION SURVEY
CANADA**

RATOR OF CENTAGE '000)	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%
	70.5	70.1	69.8	68.7	66.9	65.0	63.1	61.1	59.0	56.8	54.6	49.9	38.6	22.3
	49.8	49.6	49.4	48.6	47.3	46.0	44.6	43.2	41.7	40.2	38.6	35.3	27.3	15.8
3	40.7	40.5	40.3	39.7	38.6	37.5	36.4	35.3	34.1	32.8	31.5	28.8	22.3	12.9
4	35.2	35.1	34.9	34.4	33.4	32.5	31.5	30.5	29.5	28.4	27.3	24.9	19.3	11.1
5	31.5	31.4	31.2	30.7	29.9	29.1	28.2	27.3	26.4	25.4	24.4	22.3	17.3	10.0
6	28.8	28.6	28.5	28.1	27.3	26.5	25.7	24.9	24.1	23.2	22.3	20.4	15.8	9.1
7	26.6	26.5	26.4	26.0	25.3	24.6	23.8	23.1	22.3	21.5	20.6	18.8	14.6	8.4
8	24.9	24.8	24.7	24.3	23.6	23.0	22.3	21.6	20.9	20.1	19.3	17.6	13.7	7.9
9	23.5	23.4	23.3	22.9	22.3	21.7	21.0	20.4	19.7	18.9	18.2	16.6	12.9	7.4
10	22.3	22.2	22.1	21.7	21.2	20.6	19.9	19.3	18.7	18.0	17.3	15.8	12.2	7.1
11	21.2	21.2	21.0	20.7	20.2	19.6	19.0	18.4	17.8	17.1	16.5	15.0	11.6	6.7
12	20.3	20.2	20.1	19.8	19.3	18.8	18.2	17.6	17.0	16.4	15.8	14.4	11.1	6.4
13	19.5	19.5	19.4	19.1	18.5	18.0	17.5	16.9	16.4	15.8	15.1	13.8	10.7	6.2
14	18.8	18.7	18.7	18.4	17.9	17.4	16.9	16.3	15.8	15.2	14.6	13.3	10.3	6.0
15	18.2	18.1	18.0	17.7	17.3	16.8	16.3	15.8	15.2	14.7	14.1	12.9	10.0	5.8
16	17.6	17.5	17.4	17.2	16.7	16.2	15.8	15.3	14.7	14.2	13.7	12.5	9.7	5.6
17	17.1	17.0	16.9	16.7	16.2	15.8	15.3	14.8	14.3	13.8	13.2	12.1	9.4	5.4
18	16.6	16.5	16.5	16.2	15.8	15.3	14.9	14.4	13.9	13.4	12.9	11.8	9.1	5.3
19	*****	16.1	16.0	15.8	15.3	14.9	14.5	14.0	13.5	13.0	12.5	11.4	8.9	5.1
20	*****	15.7	15.6	15.4	15.0	14.5	14.1	13.7	13.2	12.7	12.2	11.1	8.6	5.0
21	*****	15.3	15.2	15.0	14.6	14.2	13.8	13.3	12.9	12.4	11.9	10.9	8.4	4.9
22	*****	15.0	14.9	14.7	14.3	13.9	13.4	13.0	12.6	12.1	11.6	10.6	8.2	4.8
23	*****	14.6	14.6	14.3	13.9	13.6	13.1	12.7	12.3	11.9	11.4	10.4	8.1	4.6
24	*****	14.3	14.2	14.0	13.7	13.3	12.9	12.5	12.0	11.6	11.1	10.2	7.9	4.6
25	*****	14.0	14.0	13.7	13.4	13.0	12.6	12.2	11.8	11.4	10.9	10.0	7.7	4.5
30	*****	12.8	12.7	12.5	12.2	11.9	11.5	11.1	10.8	10.4	10.0	9.1	7.1	4.1
35	*****	11.9	11.8	11.6	11.3	11.0	10.7	10.3	10.0	9.6	9.2	8.4	6.5	3.8
40	*****	11.1	11.0	10.9	10.6	10.3	10.0	9.7	9.3	9.0	8.6	7.9	6.1	3.5
45	*****	10.5	10.4	10.2	10.0	9.7	9.4	9.1	8.8	8.5	8.1	7.4	5.8	3.3
50	*****	9.9	9.9	9.7	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.1	5.5	3.2
55	*****	9.5	9.4	9.3	9.0	8.8	8.5	8.2	8.0	7.7	7.4	6.7	5.2	3.0
60	*****	9.1	9.0	8.9	8.6	8.4	8.1	7.9	7.6	7.3	7.1	6.4	5.0	2.9
65	*****	8.7	8.7	8.5	8.3	8.1	7.8	7.6	7.3	7.1	6.8	6.2	4.8	2.8
	*****	8.4	8.3	8.2	8.0	7.8	7.5	7.3	7.1	6.8	6.5	6.0	4.6	2.7
	*****	8.1	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.3	5.8	4.5	2.6
80	*****	7.8	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.6	4.3	2.5
85	*****	7.6	7.6	7.5	7.3	7.1	6.8	6.6	6.4	6.2	5.9	5.4	4.2	2.4
90	*****	7.4	7.4	7.2	7.1	6.9	6.6	6.4	6.2	6.0	5.8	5.3	4.1	2.4
95	*****	7.2	7.2	7.1	6.9	6.7	6.5	6.3	6.1	5.8	5.6	5.1	4.0	2.3
100	*****	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
125	*****	6.3	6.2	6.1	6.0	5.8	5.6	5.5	5.3	5.1	4.9	4.5	3.5	2.0
150	*****	5.7	5.7	5.6	5.5	5.3	5.1	5.0	4.8	4.6	4.5	4.1	3.2	1.8
200	*****	*****	4.9	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
250	*****	*****	4.4	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.4	1.4
300	*****	*****	4.0	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.2	2.9	2.2	1.3
350	*****	*****	3.7	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
400	*****	*****	*****	3.4	3.3	3.2	3.2	3.1	2.9	2.8	2.7	2.5	1.9	1.1
450	*****	*****	*****	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
500	*****	*****	*****	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
750	*****	*****	*****	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0	1.8	1.4	0.8
000	*****	*****	*****	*****	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.2	0.7
500	*****	*****	*****	*****	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.0	0.6
000	*****	*****	*****	*****	*****	1.5	1.4	1.4	1.3	1.3	1.2	1.1	0.9	0.5
000	*****	*****	*****	*****	*****	*****	1.2	1.1	1.1	1.0	1.0	0.9	0.7	0.4
000	*****	*****	*****	*****	*****	*****	*****	1.0	0.9	0.9	0.9	0.8	0.6	0.4
000	*****	*****	*****	*****	*****	*****	*****	*****	0.8	0.8	0.8	0.7	0.5	0.3
000	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.7	0.6	0.5	0.3
000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.6	0.5	0.3
000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6	0.4	0.2
000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.5	0.2
000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.4
000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.3
500	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.2
000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.2

S:

- (1) SAMPLING VARIABILITIES (COEFFICIENTS OF VARIATION) ARE IN PERCENTS. 00057
 TO DETERMINE SAMPLING VARIABILITIES FOR ESTIMATES OF TOTALS, LOCATE 00058
 THE ROW CLOSEST TO THE ESTIMATED TOTAL. THE LEFT-MOST COLUMN GIVES 00059
 THE SAMPLING VARIABILITY. 00060
- (3) TO DETERMINE SAMPLING VARIABILITIES FOR ESTIMATES OF PERCENTAGES, 00061
 USE THE ROW CLOSEST TO THE NUMERATOR OF THE PERCENTAGE AND THE 00062
 COLUMN CLOSEST TO THE PERCENTAGE. 00063
- (4) SAMPLING VARIABILITIES IN THIS TABLE ARE CRUDE INDICATORS AND IN 00064
 GENERAL ARE HIGHER THAN THOSE THAT WOULD BE OBTAINED USING MORE 00065
 EXACT TECHNIQUES. UNDER NO CIRCUMSTANCES ARE THEY OFFICIAL. 00066

NEWFOUNDLAND

[illegible]

CRUDE SAMPLING VARIABILITY TABLES FOR ADULT EDUCATION SURVEY

NOVA SCOTIA

NUMERATOR OF PERCENTAGE ('000)	ESTIMATED PERCENTAGE											90.0%		
	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%
1	*****	46.9	46.7	46.0	44.7	43.5	42.2	40.8	39.5	38.0	36.5	33.3	25.8	14.9
2	*****	33.2	33.0	32.5	31.6	30.7	29.8	28.9	27.9	26.9	25.8	23.6	18.3	10.5
3	*****	27.1	27.0	26.5	25.8	25.1	24.4	23.6	22.8	22.0	21.1	19.3	14.9	8.6
4	*****	23.5	23.3	23.0	22.4	21.7	21.1	20.4	19.7	19.0	18.3	16.7	12.9	7.5
5	*****	21.0	20.9	20.6	20.0	19.4	18.9	18.3	17.6	17.0	16.3	14.9	11.6	6.7
6	*****	19.2	19.1	18.8	18.3	17.8	17.2	16.7	16.1	15.5	14.9	13.6	10.5	6.1
7	*****	*****	17.6	17.4	16.9	16.4	15.9	15.4	14.9	14.4	13.8	12.6	9.8	5.6
8	*****	*****	16.5	16.3	15.8	15.4	14.9	14.4	14.0	13.4	12.9	11.8	9.1	5.3
9	*****	*****	15.6	15.3	14.9	14.5	14.1	13.6	13.2	12.7	12.2	11.1	8.6	5.0
10	*****	*****	14.8	14.5	14.1	13.7	13.3	12.9	12.5	12.0	11.6	10.5	8.2	4.7
11	*****	*****	14.1	13.9	13.5	13.1	12.7	12.3	11.9	11.5	11.0	10.1	7.8	4.5
12	*****	*****	13.5	13.3	12.9	12.6	12.2	11.8	11.4	11.0	10.5	9.6	7.5	4.3
13	*****	*****	*****	12.7	12.4	12.1	11.7	11.3	10.9	10.5	10.1	9.2	7.2	4.1
14	*****	*****	*****	12.3	12.0	11.6	11.3	10.9	10.5	10.2	9.8	8.9	6.9	4.0
15	*****	*****	*****	11.9	11.6	11.2	10.9	10.5	10.2	9.8	9.4	8.6	6.7	3.9
16	*****	*****	*****	11.5	11.2	10.9	10.5	10.2	9.9	9.5	9.1	8.3	6.5	3.7
17	*****	*****	*****	11.1	10.9	10.5	10.2	9.9	9.6	9.2	8.9	8.1	6.3	3.6
18	*****	*****	*****	10.8	10.5	10.2	9.9	9.6	9.3	9.0	8.6	7.9	6.1	3.5
19	*****	*****	*****	10.5	10.3	10.0	9.7	9.4	9.1	8.8	8.5	7.8	5.9	3.4
20	*****	*****	*****	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.5	5.8	3.3
21	*****	*****	*****	10.0	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.3	5.6	3.3
22	*****	*****	*****	9.8	9.5	9.3	9.0	8.7	8.4	8.1	7.8	7.1	5.5	3.2
23	*****	*****	*****	9.6	9.3	9.1	8.8	8.5	8.2	7.9	7.6	7.0	5.4	3.1
24	*****	*****	*****	9.4	9.1	8.9	8.6	8.3	8.1	7.8	7.5	6.8	5.3	3.0
25	*****	*****	*****	9.2	8.9	8.7	8.4	8.2	7.9	7.6	7.3	6.7	5.2	3.0
30	*****	*****	*****	8.4	8.2	7.9	7.7	7.5	7.2	6.9	6.7	6.1	4.7	2.7
35	*****	*****	*****	*****	7.6	7.3	7.1	6.9	6.7	6.4	6.2	5.6	4.4	2.5
40	*****	*****	*****	*****	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.3	4.1	2.4
45	*****	*****	*****	*****	6.7	6.5	6.3	6.1	5.9	5.7	5.4	5.0	3.9	2.2
50	*****	*****	*****	*****	6.3	6.1	6.0	5.8	5.6	5.4	5.2	4.7	3.7	2.1
55	*****	*****	*****	*****	6.0	5.9	5.7	5.5	5.3	5.1	4.9	4.5	3.5	2.0
60	*****	*****	*****	*****	5.8	5.6	5.4	5.3	5.1	4.9	4.7	4.3	3.3	1.9
65	*****	*****	*****	*****	*****	5.4	5.2	5.1	4.9	4.7	4.5	4.1	3.2	1.8
70	*****	*****	*****	*****	*****	5.2	5.0	4.9	4.7	4.5	4.4	4.0	3.1	1.8
75	*****	*****	*****	*****	*****	5.0	4.9	4.7	4.6	4.4	4.2	3.9	3.0	1.7
80	*****	*****	*****	*****	*****	4.9	4.7	4.6	4.4	4.3	4.1	3.7	2.9	1.7
85	*****	*****	*****	*****	*****	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
90	*****	*****	*****	*****	*****	4.6	4.4	4.3	4.2	4.0	3.9	3.5	2.7	1.6
95	*****	*****	*****	*****	*****	4.3	4.2	4.1	4.0	3.9	3.7	3.4	2.7	1.5
100	*****	*****	*****	*****	*****	4.2	4.1	4.0	3.9	3.8	3.7	3.3	2.6	1.5
125	*****	*****	*****	*****	*****	3.7	3.7	3.7	3.5	3.4	3.3	3.0	2.3	1.3
150	*****	*****	*****	*****	*****	3.3	3.3	3.3	3.2	3.1	3.0	2.7	2.1	1.2
200	*****	*****	*****	*****	*****	2.7	2.7	2.7	2.7	2.7	2.6	2.4	1.8	1.1
250	*****	*****	*****	*****	*****	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	0.9
300	*****	*****	*****	*****	*****	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.5	0.9
350	*****	*****	*****	*****	*****	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	0.8
400	*****	*****	*****	*****	*****	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.7
450	*****	*****	*****	*****	*****	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7
500	*****	*****	*****	*****	*****	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7

NOTES:

CRUDE SAMPLING VARIABILITY TABLES FOR ADULT EDUCATION SURVEY

NEW BRUNSWICK

NUMERATOR OF PERCENTAGE ('000)	ESTIMATED PERCENTAGE										90.0%		
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%		40.0%	50.0%
1	*****	39.7	39.5	38.9	37.8	36.8	35.7	34.5	33.4	32.2	30.9	28.2	21.8
2	*****	28.1	27.9	27.5	26.8	26.0	25.2	24.4	23.6	22.7	21.8	19.9	15.5
3	*****	22.9	22.8	22.4	21.8	21.2	20.6	19.9	19.3	18.6	17.8	16.3	12.6
4	*****	19.8	19.7	19.4	18.9	18.4	17.8	17.3	16.7	16.1	15.5	14.1	10.9
5	*****	17.8	17.7	17.4	16.9	16.4	16.0	15.5	14.9	14.4	13.8	12.6	9.8
6	*****	*****	16.1	15.9	15.5	15.0	14.6	14.1	13.6	13.1	12.6	11.5	8.9
7	*****	*****	14.9	14.7	14.3	13.9	13.5	13.1	12.6	12.2	11.7	10.7	8.3
8	*****	*****	14.0	13.7	13.4	13.0	12.6	12.2	11.8	11.4	10.9	10.0	7.7
9	*****	*****	13.2	13.0	12.6	12.3	11.9	11.5	11.1	10.7	10.3	9.4	7.3
10	*****	*****	12.5	12.3	12.0	11.6	11.3	10.9	10.6	10.2	9.8	8.9	6.9
11	*****	*****	*****	11.7	11.4	11.1	10.8	10.4	10.1	9.7	9.3	8.5	6.6
12	*****	*****	*****	11.2	10.9	10.6	10.3	10.0	9.6	9.3	8.9	8.1	6.3
13	*****	*****	*****	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	7.8	6.1
14	*****	*****	*****	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.3	7.5	5.8
15	*****	*****	*****	10.0	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.3	5.6
16	*****	*****	*****	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.9	7.1	5.5
17	*****	*****	*****	9.4	9.2	8.9	8.7	8.4	8.1	7.9	7.6	6.8	5.3
18	*****	*****	*****	9.2	8.9	8.7	8.4	8.1	7.9	7.6	7.3	6.6	5.2
19	*****	*****	*****	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.1	6.5	5.0
20	*****	*****	*****	8.7	8.5	8.2	8.0	7.7	7.5	7.2	6.9	6.3	4.9
21	*****	*****	*****	8.5	8.3	8.0	7.8	7.5	7.3	7.0	6.7	6.2	4.8
22	*****	*****	*****	8.3	8.1	7.8	7.6	7.4	7.1	6.9	6.6	6.0	4.7
23	*****	*****	*****	8.1	7.9	7.7	7.5	7.3	7.0	6.7	6.4	5.9	4.6
24	*****	*****	*****	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.3	5.8	4.5
25	*****	*****	*****	7.8	7.6	7.4	7.1	6.9	6.7	6.4	6.2	5.6	4.4
30	*****	*****	*****	*****	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.2	4.0
35	*****	*****	*****	*****	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.8	3.7
40	*****	*****	*****	*****	6.0	5.8	5.6	5.5	5.3	5.1	4.9	4.5	3.5
45	*****	*****	*****	*****	5.6	5.5	5.3	5.2	5.0	4.8	4.6	4.2	3.3
50	*****	*****	*****	*****	5.4	5.2	5.0	4.9	4.7	4.5	4.4	4.0	3.1
55	*****	*****	*****	*****	*****	5.0	4.8	4.7	4.5	4.3	4.2	3.8	2.9
60	*****	*****	*****	*****	*****	4.7	4.6	4.5	4.3	4.2	4.0	3.6	2.8
65	*****	*****	*****	*****	*****	4.6	4.4	4.3	4.1	4.0	3.8	3.5	2.7
70	*****	*****	*****	*****	*****	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6
75	*****	*****	*****	*****	*****	4.2	4.1	4.0	3.9	3.7	3.6	3.3	2.5
80	*****	*****	*****	*****	*****	*****	4.0	3.9	3.7	3.6	3.5	3.2	2.4
85	*****	*****	*****	*****	*****	*****	3.9	3.7	3.6	3.5	3.4	3.1	2.4
90	*****	*****	*****	*****	*****	*****	3.8	3.6	3.5	3.4	3.3	3.0	2.3
95	*****	*****	*****	*****	*****	*****	3.7	3.6	3.5	3.3	3.2	2.9	2.2
100	*****	*****	*****	*****	*****	*****	3.6	3.5	3.3	3.2	3.1	2.8	2.2
125	*****	*****	*****	*****	*****	*****	*****	3.1	3.0	2.9	2.8	2.5	2.0
150	*****	*****	*****	*****	*****	*****	*****	2.7	2.6	2.5	2.3	2.1	1.8
200	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	2.2	2.0	1.5
250	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.8	1.4
300	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.3
350	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.2
400	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7
450	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6

NOTES:

ATLANTIC

NOMINATOR OF PERCENTAGE ('000)	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%
1	41.3	41.1	40.9	40.3	39.2	38.1	36.9	35.8	34.6	33.3	32.0	29.2	22.6	13.1
2	*****	29.1	28.9	28.5	27.7	26.9	26.1	25.3	24.4	23.5	22.6	20.7	16.0	9.2
3	*****	23.7	23.6	23.2	22.6	22.0	21.3	20.7	20.0	19.2	18.5	16.9	13.1	7.5
4	*****	20.5	20.4	20.1	19.6	19.0	18.5	17.9	17.3	16.7	16.0	14.6	11.3	6.5
5	*****	18.4	18.3	18.0	17.5	17.0	16.5	16.0	15.5	14.9	14.3	13.1	10.1	5.8
6	*****	16.8	16.7	16.4	16.0	15.5	15.1	14.6	14.1	13.6	13.1	11.9	9.2	5.3
7	*****	15.5	15.5	15.2	14.8	14.4	14.0	13.5	13.1	12.6	12.1	11.0	8.6	4.9
8	*****	14.5	14.5	14.2	13.9	13.5	13.1	12.6	12.2	11.8	11.3	10.3	8.0	4.6
9	*****	13.7	13.6	13.4	13.1	12.7	12.3	11.9	11.5	11.1	10.7	9.7	7.5	4.4
10	*****	13.0	12.9	12.7	12.4	12.0	11.7	11.3	10.9	10.5	10.1	9.2	7.2	4.1
11	*****	12.4	12.3	12.1	11.8	11.5	11.1	10.8	10.4	10.0	9.6	8.8	6.8	3.9
12	*****	11.9	11.8	11.6	11.3	11.0	10.7	10.3	10.0	9.6	9.2	8.4	6.5	3.8
13	*****	11.4	11.3	11.2	10.9	10.6	10.2	9.9	9.6	9.2	8.9	8.1	6.3	3.6
14	*****	11.0	10.9	10.8	10.5	10.2	9.9	9.6	9.2	8.9	8.6	7.8	6.0	3.5
15	*****	10.6	10.6	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.3	7.5	5.8	3.4
16	*****	10.3	10.2	10.1	9.8	9.5	9.2	9.0	8.7	8.4	8.1	7.3	5.7	3.3
17	*****	*****	9.9	9.8	9.5	9.2	9.0	8.7	8.4	8.1	7.8	7.1	5.5	3.2
18	*****	*****	9.6	9.5	9.2	9.0	8.7	8.4	8.1	7.8	7.5	6.9	5.3	3.1
19	*****	*****	9.4	9.2	9.0	8.7	8.5	8.2	7.9	7.6	7.3	6.7	5.2	3.0
20	*****	*****	9.1	9.0	8.8	8.5	8.3	8.0	7.7	7.4	7.2	6.5	5.1	2.9
21	*****	*****	8.9	8.8	8.6	8.3	8.1	7.8	7.5	7.3	7.0	6.4	4.9	2.9
22	*****	*****	8.7	8.6	8.4	8.1	7.9	7.6	7.4	7.1	6.8	6.2	4.8	2.8
23	*****	*****	8.5	8.4	8.2	7.9	7.7	7.5	7.3	7.1	6.8	6.1	4.7	2.7
24	*****	*****	8.3	8.2	8.0	7.8	7.5	7.3	7.1	6.8	6.5	6.0	4.6	2.7
25	*****	*****	8.2	8.1	7.8	7.6	7.4	7.2	6.9	6.7	6.4	5.8	4.5	2.6
30	*****	*****	7.5	7.4	7.2	7.0	6.7	6.5	6.3	6.1	5.8	5.3	4.1	2.4
35	*****	*****	*****	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	4.9	3.8	2.2
40	*****	*****	*****	6.4	6.2	6.0	5.8	5.7	5.5	5.3	5.1	4.6	3.6	2.1
45	*****	*****	*****	6.0	5.8	5.7	5.5	5.3	5.2	5.0	4.8	4.4	3.4	1.9
50	*****	*****	*****	5.7	5.5	5.4	5.2	5.1	4.9	4.7	4.5	4.1	3.2	1.8
55	*****	*****	*****	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.3	3.9	3.1	1.7
60	*****	*****	*****	5.2	5.1	4.9	4.8	4.6	4.5	4.3	4.1	3.8	2.9	1.7
65	*****	*****	*****	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
70	*****	*****	*****	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8	3.5	2.7	1.6
75	*****	*****	*****	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.4	2.6	1.5
80	*****	*****	*****	4.5	4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.3	2.5	1.5
85	*****	*****	*****	*****	4.3	4.1	4.0	3.9	3.7	3.6	3.5	3.2	2.5	1.4
90	*****	*****	*****	*****	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.1	2.4	1.4
95	*****	*****	*****	*****	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.0	2.3	1.3
100	*****	*****	*****	*****	3.9	3.8	3.7	3.6	3.5	3.3	3.2	2.9	2.3	1.3
125	*****	*****	*****	*****	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.6	2.0	1.2
150	*****	*****	*****	*****	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.8	1.1
200	*****	*****	*****	*****	2.7	2.6	2.5	2.4	2.4	2.4	2.3	2.1	1.6	0.9
250	*****	*****	*****	*****	*****	2.3	2.3	2.3	2.2	2.1	2.0	1.8	1.4	0.8
300	*****	*****	*****	*****	*****	2.1	2.1	2.1	2.0	1.9	1.8	1.7	1.3	0.8
350	*****	*****	*****	*****	*****	*****	1.9	1.9	1.8	1.8	1.7	1.6	1.2	0.7
400	*****	*****	*****	*****	*****	*****	1.8	1.8	1.7	1.7	1.6	1.5	1.1	0.7
450	*****	*****	*****	*****	*****	*****	*****	1.6	1.6	1.6	1.5	1.4	1.1	0.6
500	*****	*****	*****	*****	*****	*****	*****	1.5	1.5	1.5	1.4	1.3	1.0	0.6
750	*****	*****	*****	*****	*****	*****	*****	1.5	1.5	1.5	1.4	1.3	1.0	0.5
1000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.1	0.8	0.4

QUEBEC

NOMINATOR OF PERCENTAGE ('000)	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%
1	90.4	90.0	89.5	88.2	85.8	83.4	80.9	78.3	75.7	72.9	70.1	64.0	49.5	28.6
2	63.9	63.6	63.3	62.3	60.7	59.0	57.2	55.4	53.5	51.6	49.5	45.2	35.0	20.2
3	52.2	52.0	51.7	50.9	49.5	48.1	46.7	45.2	43.7	42.1	40.5	36.9	28.6	16.5
4	45.2	45.0	44.8	44.1	42.9	41.7	40.5	39.2	37.8	36.5	35.0	32.0	24.8	14.3
5	*****	40.2	40.0	39.4	38.4	37.3	36.2	35.0	33.8	32.6	31.3	28.6	22.2	12.8
6	*****	36.7	36.6	36.0	35.0	34.0	33.0	32.0	30.9	29.8	28.6	26.1	20.2	11.7
7	*****	34.0	33.8	33.3	32.4	31.5	30.6	29.6	28.6	27.6	26.5	24.2	18.7	10.8
8	*****	31.8	31.7	31.2	30.3	29.5	28.6	27.7	26.8	25.8	24.8	22.6	17.5	10.1
9	*****	30.0	29.8	29.4	28.6	27.8	27.0	26.1	25.2	24.3	23.4	21.3	16.5	9.5
10	*****	28.5	28.3	27.9	27.1	26.4	25.6	24.8	23.9	23.1	22.2	20.2	15.7	9.0
11	*****	27.1	27.0	26.6	25.9	25.1	24.4	23.6	22.8	22.0	21.1	19.3	14.9	8.6
12	*****	26.0	25.8	25.5	24.8	24.1	23.4	22.6	21.8	21.1	20.2	18.5	14.3	8.3
13	*****	25.0	24.8	24.5	23.8	23.1	22.4	21.7	21.0	20.2	19.4	17.7	13.7	7.9
14	*****	24.1	23.9	23.6	22.9	22.3	21.6	20.9	20.2	19.5	18.7	17.1	13.2	7.6
15	*****	23.2	23.1	22.8	22.2	21.5	20.9	20.2	19.5	18.8	18.1	16.5	12.8	7.4
16	*****	22.5	22.4	22.0	21.5	20.8	20.2	19.6	18.9	18.2	17.5	16.0	12.4	7.2
17	*****	21.8	21.7	21.4	20.8	20.2	19.6	19.0	18.4	17.7	17.0	15.5	12.0	6.9
18	*****	21.2	21.1	20.8	20.2	19.7	19.1	18.5	17.8	17.2	16.5	15.1	11.7	6.7
19	*****	20.6	20.5	20.2	19.7	19.1	18.6	18.0	17.4	16.7	16.1	14.7	11.4	6.6
20	*****	20.1	20.0	19.7	19.2	18.6	18.1	17.5	16.9	16.3	15.7	14.3	11.1	6.4
21	*****	19.6	19.5	19.2	18.7	18.2	17.7	17.1	16.5	15.9	15.3	14.0	10.8	6.2
22	*****	19.2	19.1	18.8	18.3	17.8	17.2	16.7	16.1	15.5	14.9	13.6	10.6	6.1
23	*****	18.8	18.7	18.4	17.9	17.4	16.9	16.3	15.8	15.2	14.6	13.3	10.3	6.0
24	*****	18.4	18.3	18.0	17.5	17.0	16.5	16.0	15.4	14.9	14.3	13.1	10.1	5.8
25	*****	18.0	17.9	17.6	17.2	16.7	16.2	15.7	15.1	14.6	14.0	12.8	9.9	5.7
30	*****	16.4	16.3	16.1	15.7	15.2	14.8	14.3	13.8	13.3	12.8	11.7	9.0	5.2
35	*****	15.2	15.1	14.9	14.5	14.1	13.7	13.2	12.8	12.3	11.8	10.8	8.4	4.8
40	*****	14.2	14.2	13.9	13.6	13.2	12.8	12.4	12.0	11.5	11.1	10.1	7.8	4.5
45	*****	13.4	13.3	13.1	12.8	12.4	12.1	11.7	11.3	10.9	10.4	9.5	7.4	4.3
50	*****	*****	12.7	12.5	12.1	11.8	11.4	11.1	10.7	10.3	9.9	9.0	7.0	4.0
55	*****	*****	12.1	11.9	11.6	11.2	10.9	10.6	10.2	9.8	9.4	8.6	6.7	3.9
60	*****	*****	11.6	11.4	11.1	10.8	10.4	10.1	9.8	9.4	9.0	8.3	6.4	3.7
65	*****	*****	11.1	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	7.9	6.1	3.5
70	*****	*****	10.7	10.5	10.3	10.0	9.7	9.4	9.0	8.7	8.4	7.6	5.9	3.4
75	*****	*****	10.3	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.4	5.7	3.3
80	*****	*****	10.0	9.9	9.6	9.3	9.0	8.8	8.5	8.2	7.8	7.2	5.5	3.2
85	*****	*****	9.7	9.6	9.3	9.0	8.8	8.5	8.2	7.9	7.6	6.9	5.4	3.1
90	*****	*****	9.4	9.3	9.0	8.8	8.5	8.3	8.0	7.7	7.4	6.7	5.2	3.0
95	*****	*****	9.2	9.0	8.8	8.6	8.3	8.0	7.6	7.3	7.0	6.4	5.0	2.9
100	*****	*****	*****	8.8	8.6	8.3	8.1	7.8	7.6	7.3	7.2	6.6	5.1	2.9
125	*****	*****	*****	7.9	7.7	7.5	7.2	7.0	6.8	6.5	6.3	5.7	4.4	2.6
150	*****	*****	*****	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.7	5.2	4.0	2.3
200	*****	*****	*****	6.2	6.1	5.9	5.7	5.5	5.4	5.2	5.0	4.5	3.5	2.0
250	*****	*****	*****	*****	5.4	5.3	5.1	5.0	4.8	4.6	4.4	4.0	3.1	1.8
300	*****	*****	*****	*****	5.0	4.8	4.7	4.5	4.4	4.2	4.0	3.7	2.9	1.7
350	*****	*****	*****	*****	4.6	4.5	4.3	4.2	4.0	3.9	3.7	3.4	2.6	1.5
400	*****	*****	*****	*****	4.3	4.2	4.0	3.9	3.8	3.6	3.5	3.2	2.5	1.4
450	*****	*****	*****	*****	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.0	2.3	1.3
500	*****	*****	*****	*****	*****	3.7	3.6	3.5	3.4	3.3	3.1	2.9	2.2	1.3
750	*****	*****	*****	*****	*****	*****	3.0	2.9	2.8	2.7	2.6	2.3	1.8	1.0
1000	*****	*****	*****	*****	*****	*****	*****	2.5	2.4	2.3	2.2	2.0	1.6	0.9
1500	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.9	1.8	1.7	1.3	0.7
2000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

ONTARIO

NUMERATOR OF PERCENTAGE ('000)	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%
1	96.3	95.9	95.4	93.9	91.4	88.8	86.2	83.4	80.6	77.7	74.6	68.1	52.8	30.5
2	68.1	67.8	67.4	66.4	64.6	62.8	60.9	59.0	57.0	54.9	52.8	48.2	37.3	21.5
3	55.6	55.4	55.1	54.2	52.8	51.3	49.8	48.2	46.5	44.9	43.1	39.3	30.5	17.6
4	48.2	47.9	47.7	47.0	45.7	44.4	43.1	41.7	40.3	38.8	37.3	34.1	26.4	15.2
5	43.1	42.9	42.7	42.0	40.9	39.7	38.5	37.3	36.1	34.7	33.4	30.5	23.6	13.6
6	39.3	39.1	38.9	38.3	37.3	36.3	35.2	34.1	32.9	31.7	30.5	27.8	21.5	12.4
7	*****	36.2	36.1	35.5	34.6	33.6	32.6	31.5	30.5	29.4	28.2	25.8	19.9	11.5
8	*****	33.9	33.7	33.2	32.3	31.4	30.5	29.5	28.5	27.5	26.4	24.1	18.7	10.8
9	*****	32.0	31.8	31.2	30.3	29.6	28.7	27.8	26.9	25.9	24.9	22.7	17.6	9.6
10	*****	30.3	30.2	29.7	28.9	28.1	27.3	26.4	25.5	24.6	23.6	21.5	16.7	9.2
11	*****	28.9	28.8	28.3	27.6	26.8	26.0	25.2	24.3	23.4	22.5	20.5	15.9	8.8
12	*****	27.7	27.5	27.1	26.4	25.6	24.9	24.1	23.3	22.4	21.5	19.7	15.2	8.5
13	*****	26.6	26.5	26.0	25.4	24.6	23.9	23.1	22.4	21.5	20.7	18.9	14.6	8.1
14	*****	25.6	25.5	25.1	24.4	23.7	23.0	22.3	21.5	20.8	19.9	18.2	14.1	7.9
15	*****	24.0	24.6	24.2	23.6	22.9	22.3	21.5	20.8	20.1	19.3	17.6	13.6	7.6
16	*****	23.0	23.8	23.5	22.9	22.2	21.5	20.9	20.2	19.4	18.7	17.0	13.2	7.4
17	*****	22.3	23.1	22.8	22.2	21.5	20.9	20.2	19.6	18.8	18.1	16.5	12.8	7.2
18	*****	22.6	22.5	22.1	21.5	20.9	20.3	19.7	19.0	18.3	17.6	16.1	12.4	7.0
19	*****	22.0	21.9	21.5	21.0	20.4	19.8	19.1	18.5	17.8	17.1	15.6	12.1	6.8
20	*****	21.4	21.3	21.0	20.4	19.9	19.3	18.7	18.0	17.4	16.7	15.2	11.8	6.6
21	*****	20.9	20.8	20.5	19.9	19.4	18.8	18.2	17.6	17.0	16.3	14.9	11.5	6.5
22	*****	20.4	20.3	20.0	19.5	18.9	18.4	17.8	17.2	16.6	15.9	14.5	11.3	6.4
23	*****	20.0	19.9	19.6	19.1	18.5	18.0	17.4	16.8	16.2	15.6	14.2	11.0	6.2
24	*****	19.6	19.5	19.2	18.7	18.1	17.6	17.0	16.5	15.9	15.2	13.9	10.8	6.1
25	*****	19.2	19.1	18.8	18.3	17.8	17.2	16.7	16.1	15.5	14.9	13.6	10.6	5.6
30	*****	17.5	17.4	17.1	16.7	16.2	15.7	15.2	14.7	14.2	13.6	12.4	9.6	5.2
35	*****	16.2	16.1	15.9	15.5	15.0	14.6	14.1	13.6	13.1	12.6	11.5	8.9	4.8
40	*****	15.2	15.1	14.8	14.5	14.0	13.6	13.2	12.7	12.3	11.8	10.8	8.3	4.5
45	*****	14.3	14.2	14.0	13.6	13.2	12.8	12.4	12.0	11.6	11.1	10.2	7.9	4.3
50	*****	13.6	13.5	13.3	12.9	12.6	12.2	11.8	11.4	11.0	10.6	9.6	7.5	4.1
55	*****	12.9	12.9	12.7	12.3	12.0	11.6	11.3	10.9	10.5	10.1	9.2	7.1	3.9
60	*****	12.4	12.3	12.1	11.6	11.5	11.1	10.8	10.4	10.0	9.6	8.8	6.8	3.8
65	*****	11.9	11.8	11.6	11.3	11.0	10.7	10.4	10.0	9.6	9.3	8.5	6.5	3.6
70	*****	*****	11.4	11.2	10.9	10.6	10.3	10.0	9.6	9.3	8.9	8.1	6.3	3.5
75	*****	*****	11.0	10.8	10.6	10.3	10.0	9.6	9.3	9.0	8.6	7.9	6.1	3.4
80	*****	*****	10.7	10.5	10.2	9.9	9.6	9.3	9.0	8.7	8.3	7.6	5.9	3.3
85	*****	*****	10.3	10.2	9.9	9.6	9.3	9.1	8.7	8.4	8.1	7.4	5.7	3.3
90	*****	*****	10.1	9.9	9.6	9.4	9.1	8.8	8.5	8.2	7.9	7.2	5.6	3.2
95	*****	*****	9.8	9.6	9.4	9.1	8.8	8.6	8.3	8.0	7.7	7.0	5.4	3.1
100	*****	*****	9.5	9.4	9.1	8.9	8.6	8.3	8.1	7.8	7.5	6.8	5.3	3.0
125	*****	*****	8.5	8.4	8.2	7.9	7.7	7.5	7.2	6.9	6.7	6.1	4.7	2.7
150	*****	*****	*****	7.7	7.5	7.3	7.0	6.8	6.6	6.3	6.1	5.6	4.3	2.7
200	*****	*****	*****	6.6	6.5	6.3	6.1	5.9	5.7	5.5	5.3	4.8	3.7	2.5
250	*****	*****	*****	5.9	5.8	5.6	5.5	5.3	5.1	4.9	4.7	4.3	3.3	2.2
300	*****	*****	*****	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.3	3.9	3.0	1.9
350	*****	*****	*****	*****	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.6	2.8	1.8
400	*****	*****	*****	*****	4.6	4.4	4.3	4.2	4.0	3.9	3.7	3.4	2.6	1.6
450	*****	*****	*****	*****	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.2	2.5	1.5
500	*****	*****	*****	*****	4.1	4.0	3.9	3.7	3.6	3.5	3.3	3.0	2.4	1.4
550	*****	*****	*****	*****	*****	3.2	3.1	3.0	2.9	2.8	2.7	2.5	1.9	1.1
750	*****	*****	*****	*****	*****	*****	2.7	2.6	2.5	2.5	2.4	2.2	1.7	1.0
1000	*****	*****	*****	*****	*****	*****	2.2	2.1	2.1	2.0	1.9	1.8	1.4	0.8
1500	*****	*****	*****	*****	*****	*****	1.7	1.7	1.7	1.7	1.7	1.5	1.2	0.7
2000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
3000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

CRUDE SAMPLING VARIABILITY TABLES FOR ADULT EDUCATION SURVEY

MANITOBA

NUMERATOR OF PERCENTAGE ('000)	ESTIMATED PERCENTAGE													90.0%
	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%	
1	*****	49.6	49.3	48.6	47.3	45.9	44.6	43.2	41.7	40.2	38.6	35.2	27.3	15.6
2	*****	35.1	34.9	34.3	33.4	32.5	31.5	30.5	29.5	28.4	27.3	24.9	19.3	11.1
3	*****	28.6	28.5	28.0	27.3	26.5	25.7	24.9	24.1	23.2	22.3	20.3	15.8	9.1
4	*****	24.8	24.7	24.3	23.6	23.0	22.3	21.6	20.8	20.1	19.3	17.6	13.6	7.9
5	*****	22.2	22.1	21.7	21.1	20.5	19.9	19.3	18.6	18.0	17.3	15.8	12.2	7.0
6	*****	20.2	20.1	19.8	19.3	18.8	18.2	17.6	17.0	16.4	15.8	14.4	11.1	6.4
7	*****	18.7	18.6	18.4	17.9	17.4	16.8	16.3	15.8	15.2	14.6	13.3	10.3	6.0
8	*****	17.4	17.4	17.2	16.7	16.2	15.8	15.3	14.7	14.2	13.6	12.5	9.7	5.6
9	*****	16.4	16.4	16.2	15.8	15.3	14.9	14.4	13.9	13.4	12.9	11.7	9.1	5.3
10	*****	15.6	15.6	15.4	15.0	14.5	14.1	13.6	13.2	12.7	12.2	11.1	8.6	5.0
11	*****	14.9	14.9	14.6	14.3	13.9	13.4	13.0	12.6	12.1	11.6	10.6	8.2	4.5
12	*****	14.2	14.2	14.0	13.6	13.3	12.9	12.5	12.0	11.6	11.1	10.2	7.9	4.8
13	*****	13.7	13.7	13.5	13.1	12.7	12.4	12.0	11.6	11.1	10.7	9.8	7.6	4.4
14	*****	13.2	13.2	13.0	12.6	12.3	11.9	11.5	11.1	10.7	10.3	9.4	7.3	4.2
15	*****	12.5	12.5	12.3	11.8	11.5	11.1	10.8	10.4	10.0	9.7	8.8	7.0	4.1
16	*****	12.1	12.1	11.8	11.5	11.1	10.8	10.5	10.1	9.7	9.4	8.5	6.6	3.8
17	*****	11.8	11.8	11.4	11.1	10.8	10.5	10.2	9.8	9.5	9.1	8.3	6.4	3.7
18	*****	11.4	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.2	8.9	8.1	6.3	3.6
19	*****	11.1	11.1	10.8	10.6	10.3	10.0	9.7	9.3	9.0	8.6	7.9	6.1	3.5
20	*****	10.9	10.9	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.4	7.7	6.0	3.4
21	*****	10.6	10.6	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.2	7.5	5.8	3.3
22	*****	10.4	10.4	10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.0	7.3	5.7	3.2
23	*****	10.1	9.9	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.7	7.0	5.5	3.2
24	*****	9.9	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.3	6.4	5.0	2.9
25	*****	9.5	9.2	8.9	8.6	8.4	8.1	7.9	7.6	7.3	7.0	6.4	5.0	2.9
30	*****	8.9	8.6	8.4	8.1	7.8	7.5	7.3	7.0	6.8	6.5	6.0	4.6	2.7
35	*****	8.2	8.0	7.8	7.5	7.3	7.0	6.8	6.6	6.4	6.1	5.6	4.3	2.5
40	*****	7.5	7.3	7.1	6.8	6.6	6.3	6.1	5.9	5.7	5.5	5.0	3.9	2.3
45	*****	7.0	6.8	6.6	6.3	6.1	5.9	5.6	5.4	5.2	5.0	4.4	3.5	2.2
50	*****	6.7	6.5	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.8	4.2	3.3	2.1
55	*****	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.8	4.6	4.1	3.2	2.0
60	*****	6.1	5.9	5.7	5.5	5.3	5.1	5.0	4.8	4.6	4.5	4.0	3.1	1.8
65	*****	5.9	5.7	5.5	5.3	5.1	5.0	4.8	4.7	4.5	4.4	3.9	3.0	1.9
70	*****	5.7	5.5	5.3	5.1	5.0	4.8	4.7	4.5	4.4	4.2	3.8	3.0	1.7
75	*****	5.5	5.3	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.1	3.7	2.9	1.7
80	*****	5.3	5.1	5.0	4.8	4.7	4.5	4.4	4.3	4.2	4.0	3.6	2.8	1.6
85	*****	5.1	5.0	4.8	4.7	4.5	4.4	4.3	4.2	4.0	3.9	3.5	2.7	1.6
90	*****	5.0	4.8	4.7	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.4	2.6	1.5
95	*****	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.4	2.5	1.4
100	*****	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.3	2.4	1.3
125	*****	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.2	2.4	1.3
150	*****	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.1	2.2	1.3
200	*****	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.0	2.1	1.1
250	*****	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	2.9	1.9	1.1
300	*****	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	2.8	1.7	1.0
350	*****	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	2.7	1.6	0.9
400	*****	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	2.6	1.5	0.8
450	*****	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.5	1.4	0.8
500	*****	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.4	1.3	0.7

NOTES:

CRUDE SAMPLING VARIABILITY TABLES FOR ADULT EDUCATION SURVEY
SASKACHEWAN

NUMERATOR OF PERCENTAGE ('000)	ESTIMATED PERCENTAGE										
	0.1%	1.0%	2.0%	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%
1	*****	43.9	43.6	43.0	41.8	40.6	39.4	38.2	36.9	35.5	34.1
2	*****	31.0	30.9	30.4	29.6	28.7	27.9	27.0	26.1	25.1	24.1
3	*****	25.3	25.2	24.8	24.1	23.5	22.8	22.0	21.3	20.5	19.7
4	*****	21.9	21.8	21.5	20.9	20.3	19.7	19.1	18.4	17.8	17.1
5	*****	19.6	19.5	19.2	18.7	18.2	17.6	17.1	16.5	15.9	15.3
6	*****	17.9	17.8	17.5	17.1	16.6	16.1	15.6	15.1	14.5	13.9
7	*****	*****	16.5	16.2	15.8	15.4	14.9	14.4	13.9	13.4	12.9
8	*****	*****	15.4	15.2	14.8	14.4	13.9	13.5	13.0	12.6	12.1
9	*****	*****	14.5	14.3	13.9	13.5	13.1	12.7	12.3	11.8	11.4
10	*****	*****	13.8	13.6	13.2	12.9	12.5	12.1	11.7	11.2	10.8
11	*****	*****	13.2	13.0	12.6	12.3	11.9	11.5	11.1	10.7	10.3
12	*****	*****	12.6	12.4	12.1	11.7	11.4	11.0	10.6	10.3	9.9
13	*****	*****	12.1	11.9	11.6	11.3	10.9	10.6	10.2	9.9	9.5
14	*****	*****	*****	11.5	11.2	10.9	10.5	10.2	9.9	9.5	9.1
15	*****	*****	*****	11.1	10.8	10.5	10.2	9.9	9.5	9.2	8.8
16	*****	*****	*****	10.7	10.5	10.2	9.9	9.5	9.2	8.9	8.5
17	*****	*****	*****	10.4	10.1	9.9	9.6	9.3	8.9	8.6	8.3
18	*****	*****	*****	10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.0
19	*****	*****	*****	9.9	9.6	9.3	9.0	8.8	8.5	8.2	7.8
20	*****	*****	*****	9.6	9.4	9.1	8.8	8.5	8.2	7.9	7.6
21	*****	*****	*****	9.4	9.1	8.9	8.6	8.3	8.0	7.7	7.3
22	*****	*****	*****	9.2	8.9	8.7	8.4	8.1	7.9	7.6	7.3
23	*****	*****	*****	9.0	8.7	8.5	8.2	8.0	7.8	7.5	7.1
24	*****	*****	*****	8.8	8.5	8.3	8.0	7.8	7.5	7.3	7.0
25	*****	*****	*****	8.6	8.4	8.1	7.9	7.6	7.4	7.1	6.8
30	*****	*****	*****	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.2
35	*****	*****	*****	*****	7.1	6.9	6.7	6.5	6.2	6.0	5.8
40	*****	*****	*****	*****	6.6	6.4	6.2	6.0	5.8	5.6	5.4
45	*****	*****	*****	*****	6.2	6.1	5.9	5.7	5.5	5.3	5.1
50	*****	*****	*****	*****	5.9	5.7	5.6	5.4	5.2	5.0	4.8
55	*****	*****	*****	*****	5.6	5.5	5.3	5.1	5.0	4.8	4.6
60	*****	*****	*****	*****	5.4	5.2	5.1	4.9	4.8	4.6	4.4
65	*****	*****	*****	*****	5.2	5.0	4.9	4.7	4.6	4.4	4.2
70	*****	*****	*****	*****	*****	4.9	4.7	4.6	4.4	4.2	4.1
75	*****	*****	*****	*****	*****	4.7	4.6	4.4	4.3	4.1	3.9
80	*****	*****	*****	*****	*****	4.5	4.4	4.3	4.1	4.0	3.8
85	*****	*****	*****	*****	*****	4.4	4.3	4.1	4.0	3.9	3.7
90	*****	*****	*****	*****	*****	4.3	4.2	4.0	3.9	3.7	3.6
95	*****	*****	*****	*****	*****	4.2	4.0	3.9	3.8	3.6	3.5
100	*****	*****	*****	*****	*****	4.1	3.9	3.8	3.7	3.6	3.4
125	*****	*****	*****	*****	*****	*****	3.5	3.4	3.3	3.2	3.1
150	*****	*****	*****	*****	*****	*****	*****	3.1	3.0	2.9	2.8
200	*****	*****	*****	*****	*****	*****	*****	2.6	2.6	2.5	2.4
250	*****	*****	*****	*****	*****	*****	*****	*****	2.2	2.2	2.0
300	*****	*****	*****	*****	*****	*****	*****	*****	1.8	1.8	1.5
350	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.4	1.3
400	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.2	1.1
450	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.1	0.9
500	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.9	0.6

NOTES:

CRUDE SAMPLING VARIABILITY TABLES FOR ADULT EDUCATION SURVEY

ALBERTA

NUMERATOR OF PERCENTAGE ('000)	ESTIMATED PERCENTAGE										90.0%			
	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%
1	62.7	62.4	62.1	61.1	59.5	57.8	56.1	54.3	52.5	50.6	48.6	46.3	34.3	19.8
2	*****	44.1	43.9	43.2	42.1	40.9	39.7	38.4	37.1	35.7	34.3	31.4	24.3	14.0
3	*****	36.0	35.8	35.3	34.3	33.4	32.4	31.4	30.3	29.2	28.0	25.6	19.8	11.4
4	*****	31.2	31.0	30.6	29.7	28.9	28.0	27.2	26.2	25.3	24.3	22.2	17.2	9.9
5	*****	27.9	27.8	27.3	26.6	25.9	25.1	24.3	23.5	22.6	21.7	19.8	15.4	8.9
6	*****	25.5	25.3	25.0	24.3	23.6	22.9	22.2	21.4	20.6	19.8	18.1	14.0	8.1
7	*****	23.6	23.5	23.1	22.5	21.9	21.2	20.5	19.8	19.1	18.4	16.8	13.0	7.5
8	*****	22.1	21.9	21.6	21.0	20.4	19.8	19.2	18.5	17.9	17.2	15.7	12.1	7.0
9	*****	20.8	20.7	20.4	19.8	19.3	18.7	18.1	17.5	16.9	16.2	14.8	11.4	6.6
10	*****	19.7	19.6	19.3	18.8	18.3	17.7	17.2	16.6	16.0	15.4	14.0	10.9	6.3
11	*****	18.8	18.7	18.4	17.9	17.4	16.9	16.4	15.8	15.2	14.6	13.4	10.4	6.0
12	*****	18.0	17.9	17.6	17.2	16.7	16.2	15.7	15.1	14.6	14.0	12.8	9.9	5.7
13	*****	17.3	17.2	17.0	16.5	16.0	15.6	15.1	14.6	14.0	13.5	12.3	9.5	5.5
14	*****	16.7	16.6	16.3	15.9	15.5	15.0	14.5	14.0	13.5	13.0	11.9	9.2	5.3
15	*****	16.1	16.0	15.8	15.4	14.9	14.5	14.0	13.5	13.1	12.5	11.4	8.9	5.1
16	*****	15.6	15.5	15.3	14.9	14.5	14.0	13.6	13.1	12.6	12.1	11.1	8.6	5.0
17	*****	*****	15.1	14.8	14.4	14.0	13.6	13.2	12.7	12.3	11.8	10.8	8.3	4.8
18	*****	*****	14.6	14.4	14.0	13.6	13.2	12.8	12.4	11.9	11.4	10.5	8.1	4.7
19	*****	*****	14.2	14.0	13.6	13.3	12.9	12.5	12.0	11.6	11.1	10.2	7.9	4.5
20	*****	*****	13.9	13.7	13.3	12.9	12.5	12.1	11.7	11.3	10.9	9.9	7.7	4.4
21	*****	*****	13.5	13.3	13.0	12.6	12.2	11.9	11.4	11.0	10.6	9.7	7.5	4.3
22	*****	*****	13.2	13.0	12.7	12.3	12.0	11.6	11.2	10.8	10.4	9.5	7.3	4.2
23	*****	*****	12.9	12.7	12.4	12.1	11.7	11.3	10.9	10.5	10.1	9.2	7.2	4.1
24	*****	*****	12.7	12.5	12.1	11.8	11.4	11.1	10.7	10.3	9.9	9.1	7.0	4.0
25	*****	*****	12.4	12.2	11.9	11.6	11.2	10.9	10.5	10.1	9.7	8.9	6.9	4.0
30	*****	*****	11.3	11.2	10.9	10.6	10.2	9.9	9.6	9.2	8.9	8.1	6.3	3.6
35	*****	*****	10.3	10.3	10.1	9.8	9.5	9.2	8.9	8.5	8.2	7.5	5.8	3.4
40	*****	*****	9.7	9.7	9.4	9.1	8.9	8.6	8.3	8.0	7.7	7.0	5.4	3.1
45	*****	*****	9.1	9.1	8.9	8.6	8.4	8.1	7.8	7.5	7.2	6.6	5.1	3.0
50	*****	*****	8.6	8.6	8.4	8.2	7.9	7.7	7.4	7.1	6.9	6.3	4.9	2.8
55	*****	*****	8.2	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.5	6.0	4.6	2.7
60	*****	*****	7.9	7.9	7.7	7.5	7.2	7.0	6.8	6.5	6.3	5.7	4.4	2.6
65	*****	*****	7.6	7.6	7.4	7.2	7.0	6.7	6.5	6.3	6.0	5.5	4.3	2.5
70	*****	*****	7.3	7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.8	5.3	4.1	2.4
75	*****	*****	7.1	7.1	6.9	6.7	6.5	6.3	6.1	5.8	5.6	5.1	4.0	2.3
80	*****	*****	6.8	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.4	5.0	3.8	2.2
85	*****	*****	*****	*****	6.5	6.3	6.1	5.9	5.7	5.5	5.3	4.8	3.7	2.2
90	*****	*****	*****	*****	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.7	3.6	2.1
95	*****	*****	*****	*****	6.1	5.9	5.8	5.6	5.4	5.2	5.0	4.5	3.5	2.0
100	*****	*****	*****	*****	5.9	5.8	5.6	5.4	5.2	5.1	4.9	4.4	3.4	1.8
125	*****	*****	*****	*****	5.3	5.2	5.0	4.9	4.7	4.5	4.3	4.0	3.1	1.6
150	*****	*****	*****	*****	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
200	*****	*****	*****	*****	*****	4.1	4.0	3.8	3.7	3.6	3.4	3.1	2.4	1.4
250	*****	*****	*****	*****	*****	3.7	3.5	3.4	3.3	3.2	3.1	2.8	2.2	1.3
300	*****	*****	*****	*****	*****	3.2	3.2	3.1	3.0	2.9	2.8	2.6	2.0	1.1
350	*****	*****	*****	*****	*****	*****	2.9	2.9	2.8	2.7	2.6	2.4	1.8	1.1
400	*****	*****	*****	*****	*****	*****	2.7	2.7	2.6	2.5	2.4	2.2	1.7	1.0
450	*****	*****	*****	*****	*****	*****	2.5	2.5	2.4	2.3	2.2	2.1	1.6	0.9
500	*****	*****	*****	*****	*****	*****	2.3	2.3	2.3	2.2	2.1	2.0	1.5	0.9
750	*****	*****	*****	*****	*****	*****	2.3	2.3	2.3	2.3	2.2	2.0	1.5	0.7
1000	*****	*****	*****	*****	*****	*****	2.3	2.3	2.3	2.3	2.2	2.0	1.5	0.6
1500	*****	*****	*****	*****	*****	*****	2.3	2.3	2.3	2.3	2.2	2.0	1.5	0.5

CRUDE SAMPLING VARIABILITY TABLES FOR ADULT EDUCATION SURVEY

PRAIRIES

Numerator of Percentage ('000)	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%
1	53.6	53.4	53.1	52.3	50.9	49.4	48.0	46.4	44.9	43.2	41.5	37.9	29.4	17.0
2	37.9	37.7	37.5	37.0	36.0	35.0	33.9	32.8	31.7	30.6	29.4	26.8	20.8	12.0
3	30.9	30.8	30.6	30.2	29.4	28.5	27.7	26.8	25.9	25.0	24.0	21.9	17.0	9.8
4	26.7	26.7	26.5	26.1	25.4	24.7	24.0	23.2	22.4	21.6	20.8	19.0	14.7	8.5
5	23.9	23.9	23.7	23.4	22.7	22.1	21.4	20.8	20.1	19.3	18.6	17.0	13.1	7.6
6	21.8	21.8	21.7	21.3	20.8	20.2	19.6	19.0	18.3	17.6	17.0	15.5	12.0	6.9
7	20.2	20.2	20.1	19.8	19.2	18.7	18.1	17.6	17.0	16.3	15.7	14.3	11.1	6.4
8	18.9	18.9	18.8	18.5	18.0	17.5	17.0	16.4	15.9	15.3	14.7	13.4	10.4	6.0
9	17.8	17.8	17.7	17.4	17.0	16.5	16.0	15.5	15.0	14.4	13.8	12.6	9.8	5.7
10	16.9	16.9	16.8	16.5	16.1	15.6	15.2	14.7	14.2	13.7	13.1	12.0	9.3	5.4
11	16.1	16.1	16.0	15.8	15.3	14.9	14.5	14.0	13.5	13.0	12.5	11.4	8.9	5.1
12	15.4	15.4	15.3	15.1	14.7	14.3	13.8	13.4	13.0	12.5	12.0	10.9	8.5	4.9
13	14.8	14.8	14.7	14.5	14.1	13.7	13.3	12.9	12.4	12.0	11.5	10.5	8.1	4.7
14	14.3	14.3	14.2	14.0	13.6	13.2	12.8	12.4	12.0	11.6	11.1	10.1	7.8	4.5
15	13.8	13.8	13.7	13.5	13.1	12.8	12.4	12.0	11.6	11.2	10.7	9.8	7.6	4.4
16	13.3	13.3	13.3	13.1	12.7	12.4	12.0	11.6	11.2	10.8	10.4	9.5	7.3	4.2
17	12.9	12.9	12.9	12.7	12.3	12.0	11.6	11.3	10.9	10.5	10.1	9.2	7.1	4.1
18	12.6	12.6	12.5	12.3	12.0	11.7	11.3	10.9	10.6	10.2	9.8	8.9	6.9	4.0
19	12.2	12.2	12.2	12.0	11.7	11.3	11.0	10.7	10.3	9.9	9.5	8.7	6.7	3.9
20	11.9	11.9	11.9	11.7	11.4	11.1	10.7	10.4	10.0	9.7	9.3	8.5	6.6	3.8
21	11.6	11.6	11.6	11.4	11.1	10.8	10.5	10.2	9.9	9.6	9.2	8.3	6.4	3.7
22	11.4	11.4	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.2	8.9	8.1	6.3	3.6
23	11.1	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
24	10.9	10.9	10.8	10.7	10.4	10.1	9.8	9.5	9.2	8.8	8.5	7.7	6.0	3.4
25	10.7	10.7	10.6	10.5	10.2	9.9	9.6	9.3	9.0	8.6	8.3	7.6	5.9	3.3
30	9.7	9.7	9.7	9.5	9.3	9.0	8.8	8.5	8.2	7.9	7.6	6.9	5.4	3.1
35	9.0	9.0	9.0	8.8	8.6	8.4	8.1	7.8	7.6	7.3	7.0	6.4	5.0	2.9
40	8.4	8.4	8.4	8.3	8.0	7.8	7.6	7.3	7.1	6.8	6.6	6.0	4.6	2.7
45	7.9	7.9	7.9	7.8	7.6	7.4	7.1	6.9	6.7	6.4	6.2	5.7	4.4	2.5
50	7.5	7.5	7.5	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.9	5.4	4.2	2.4
55	7.2	7.2	7.2	7.0	6.9	6.7	6.5	6.3	6.0	5.8	5.6	5.1	4.0	2.3
60	6.9	6.9	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	4.9	3.8	2.2
65	6.5	6.5	6.5	6.3	6.3	6.1	5.9	5.8	5.6	5.4	5.2	4.7	3.6	2.1
70	6.2	6.2	6.2	6.1	6.1	5.9	5.7	5.6	5.4	5.2	5.0	4.5	3.5	2.0
75	6.0	6.0	6.0	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
80	5.8	5.8	5.8	5.8	5.7	5.5	5.4	5.2	5.0	4.8	4.6	4.2	3.3	1.9
85	5.7	5.7	5.7	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.1	3.2	1.8
90	5.5	5.5	5.5	5.5	5.4	5.2	5.1	4.9	4.9	4.7	4.6	4.4	3.1	1.8
95	5.4	5.4	5.4	5.4	5.2	5.1	4.9	4.8	4.6	4.6	4.4	3.9	3.0	1.7
100	5.2	5.2	5.2	5.2	5.1	4.9	4.8	4.6	4.5	4.3	4.2	3.8	2.9	1.7
125	4.7	4.7	4.7	4.7	4.5	4.4	4.3	4.2	4.0	3.9	3.7	3.4	2.6	1.5
150	4.3	4.3	4.3	4.3	4.2	4.0	4.0	3.8	3.7	3.5	3.4	3.1	2.4	1.4
200	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.7	2.1	1.2
250	3.2	3.2	3.2	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	1.9	1.1
300	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.2	1.7	1.0
350	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.4	2.3	2.2	2.0	1.6	0.9
400	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.3	2.2	2.2	2.1	1.9	1.5	0.8
450	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.1	2.0	2.0	1.8	1.4	0.8
500	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	1.9	1.9	1.7	1.3	0.8
750	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.1	0.6
1000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.2	0.9	0.5
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.4
2000	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.4

CRUDE SAMPLING VARIABILITY TABLES FOR ADULT EDUCATION SURVEY

BRITISH COLUMBIA

NUMERATOR OF PERCENTAGE ('000)	ESTIMATED PERCENTAGE												90.0%
	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%
1	76.3	75.9	75.5	74.4	72.4	70.4	68.3	66.1	63.8	61.5	59.1	54.0	41.8
2	53.9	53.7	53.4	52.6	51.2	49.8	48.3	46.7	45.1	43.5	41.8	38.2	29.6
3	43.6	43.6	43.6	42.9	41.8	40.6	39.4	38.2	36.9	35.5	34.1	31.2	24.1
4	38.0	38.0	37.8	37.2	36.2	35.2	34.1	33.0	31.9	30.8	29.6	27.0	20.9
5	34.0	34.0	33.8	33.3	32.4	31.5	30.5	29.6	28.6	27.5	26.4	24.1	18.7
6	31.0	31.0	30.8	30.4	29.6	28.7	27.9	27.0	26.1	25.1	24.1	22.0	17.1
7	28.7	28.7	28.6	28.1	27.4	26.6	25.8	25.0	24.1	23.3	22.3	20.4	15.8
8	26.8	26.8	26.7	26.3	25.6	24.9	24.1	23.4	22.6	21.8	20.9	19.1	14.8
9	25.3	25.3	25.2	24.8	24.1	23.5	22.8	22.0	21.3	20.5	19.7	18.0	13.9
10	24.0	24.0	23.9	23.5	22.9	22.2	21.6	20.9	20.2	19.5	18.7	17.1	13.2
11	22.9	22.9	22.8	22.4	21.8	21.2	20.6	19.9	19.3	18.6	17.8	16.3	12.6
12	21.9	21.9	21.8	21.5	20.9	20.3	19.7	19.1	18.4	17.8	17.1	15.6	12.1
13	21.1	21.1	21.0	20.6	20.1	19.5	18.9	18.3	17.7	17.1	16.4	15.0	11.6
14	20.3	20.3	20.2	19.9	19.3	18.8	18.2	17.7	17.1	16.4	15.8	14.4	11.2
15	19.6	19.6	19.5	19.2	18.7	18.2	17.6	17.1	16.5	15.9	15.3	13.9	10.8
16	19.0	19.0	18.9	18.6	18.1	17.6	17.1	16.6	16.0	15.4	14.8	13.5	10.4
17	18.4	18.4	18.3	18.0	17.6	17.1	16.6	16.0	15.5	14.9	14.3	13.1	10.1
18	17.9	17.9	17.8	17.5	17.1	16.6	16.1	15.6	15.0	14.5	13.9	12.7	9.9
19	17.4	17.4	17.3	17.1	16.6	16.1	15.7	15.2	14.6	14.1	13.6	12.4	9.6
20	17.0	17.0	16.9	16.6	16.2	15.7	15.3	14.8	14.3	13.8	13.2	12.1	9.3
21	16.6	16.6	16.5	16.2	15.8	15.4	14.9	14.4	13.9	13.4	12.9	11.8	9.1
22	16.1	16.1	16.1	15.9	15.4	15.0	14.6	14.1	13.6	13.1	12.6	11.5	8.9
23	15.8	15.8	15.8	15.5	15.1	14.7	14.2	13.8	13.3	12.8	12.3	11.3	8.7
24	15.4	15.4	15.4	15.2	14.8	14.4	13.9	13.5	13.0	12.6	12.1	11.0	8.5
25	15.1	15.1	15.1	14.9	14.5	14.1	13.7	13.2	12.8	12.3	11.8	10.8	8.4
30	13.8	13.8	13.8	13.6	13.2	12.8	12.5	12.1	11.7	11.2	10.8	9.9	7.6
35	12.8	12.8	12.8	12.6	12.2	11.9	11.5	11.2	10.8	10.4	10.0	9.1	7.1
40	11.9	11.9	11.9	11.8	11.4	11.1	10.8	10.4	10.1	9.7	9.3	8.5	6.6
45	11.1	11.1	11.1	11.0	10.8	10.5	10.2	9.9	9.5	9.2	8.8	8.0	6.2
50	10.5	10.5	10.5	10.5	10.2	10.0	9.7	9.3	9.0	8.7	8.4	7.6	5.9
55	10.0	10.0	10.0	10.0	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.3	5.6
60	9.6	9.6	9.6	9.6	9.3	9.1	8.8	8.5	8.2	7.9	7.6	7.0	5.4
65	9.2	9.2	9.2	9.2	9.0	8.7	8.5	8.2	7.9	7.6	7.3	6.7	5.2
70	8.9	8.9	8.9	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.4	5.0
75	8.6	8.6	8.6	8.6	8.4	8.1	7.9	7.6	7.4	7.1	6.8	6.2	4.8
80	8.3	8.3	8.3	8.3	8.1	7.9	7.6	7.4	7.1	6.9	6.6	6.0	4.7
85	8.1	8.1	8.1	8.1	7.9	7.6	7.4	7.2	6.9	6.7	6.4	5.9	4.5
90	7.8	7.8	7.8	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.2	5.7	4.4
95	7.6	7.6	7.6	7.6	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.5	4.3
100	7.4	7.4	7.4	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.4	4.2
125	6.5	6.5	6.5	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.6	3.7
150	5.9	5.9	5.9	5.9	5.7	5.6	5.4	5.2	5.0	4.8	4.6	4.1	3.4
200	5.1	5.1	5.1	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.0	3.6	3.0
250	4.4	4.4	4.4	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.4	2.8
300	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.1	2.4
350	3.8	3.8	3.8	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.2
400	3.6	3.6	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.1
450	3.4	3.4	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.5	2.0
500	3.2	3.2	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	1.9
750	3.0	3.0	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	1.7
1000	2.8	2.8	2.8	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5
1500	2.2	2.2	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.1

Codes for Questions 19 - Adult Education Survey - 0184

A. UPGRADING

01. High School and Academic Upgrading including G.E.D.

B. VOCATIONAL

02. Secretarial/Word Processing/Typing etc.

03. Skilled Trades: - auto body repair,
- carpentry;
- construction;
- drafting;
- electrician;
- equipment courses;
- mechanics;
- natural gas training;
- pipefitting;
- plumbing;
- welding;
- etc.

04. Security and Police Related Courses: - firearms supervisory courses;
- identifying documents;
- etc.

05. Other Vocational Training: - barbering;
- furniture mover;
- hairdressing;
- interior design;
- navigation;
- nurses aid;
- etc.

C. RECREATIONAL

06. Recreational Instruction - Physical Activity:
- badminton;
- dancing (not including dancercise or
aerobics);
- karate, etc;
- sky diving;
- square dancing;
- swimming.

14. Other Personal Development:

- consumer courses;
- dog obedience;
- Dale Carnegie Course;
- effective writing;
- public speaking;
- savings and investments.

E. SEMI-PROFESSIONAL/PROFESSIONAL COURSES

15. Real Estate/Life Insurance/Sales

- includes cosmetic sales courses

16. Business/Commerce/Management/Administration:

- accounting;
- hotel management;
- human relations;
- quality control;
- principals of buying;
- tax course.

17. Computer Related Courses

18. Education:
- childcare;
 - cooking;
 - early childhood education;
 - learning disabilities;
 - physical education;
 - teacher training.

19. Engineering, Engineering Technologies:

- includes electronics

20. Health Technologies:
- dental technicians;
 - lab technicians;
 - nursing;
 - x-ray technician.



ADULT EDUCATION SURVEY

CODE SHEET

2 1

EMPLOYER.....	01
UNION OR PROFESSIONAL ASSOCIATION.....	02
UNIVERSITY.....	03
COLLEGE OR CEGEP.....	04
SCHOOL BOARD (ELEMENTARY OR SECONDARY SCHOOL).....	05
PRIVATE OR COMMERCIAL SCHOOL.....	06
LIBRARY.....	07
CHURCH	08
OTHER VOLUNTARY ORGANIZATION (YM/YWCA, RED CROSS,.....	09
COMMUNITY CENTRE)	
DON'T KNOW.....	10

3 0

NO SCHOOLING.....	01
ELEMENTARY.....	SOME.....02
	COMPLETED.....03
SECONDARY.....	SOME.....04
	COMPLETED.....05
COLLEGE *.....	SOME.....06
	COMPLETED.....07
UNIVERSITY OR	SOME.....08
TEACHERS' COLLEGE	COMPLETED.....09
DON'T KNOW.....	10

* INCLUDES COMMUNITY COLLEGE
TECHNICAL INSTITUTE
CEGEP
HOSPITAL NURSING SCHOOL

STANDARDIZED RECORD LAYOUT

FIELD -----	LENGTH -----	POSITION -----	QUESTION -----	DESCRIPTION -----
1	6	1- 6		RECORD NUMBER
2	4	7- 10		SURVEY DATE (MMYY)
3	2	11- 12		REGION AND PROVINCE 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
4	1	13- 13		SEX 1 MALE 2 FEMALE
5	1	14- 14		MARITAL STATUS 1 MARRIED 2 SINGLE 3 OTHER
6	1	15- 15		RELATIONSHIP TO HEAD OF FAMILY 1 HEAD 2 SPOUSE 3 SON-DAUGHTER 4 PARENT (IN-LAW) 5 SON-DAUGHTER (IN-LAW) 6 OTHER RELATIVE
7	1	16- 16		AGE GROUP 2 17-19 YEARS 3 20-24 YEARS 4 25-34 YEARS 5 35-44 YEARS 6 45-54 YEARS 7 55-64 YEARS 8 65-69 YEARS 9 70 YEARS AND OVER

STANDARDIZED RECORD LAYOUT

FIELD -----	LENGTH -----	POSITION -----	QUESTION -----	DESCRIPTION -----
8	1	17- 17		EDUCATION 1 NONE OR ELEMENTARY 2 HIGH SCHOOL (SOME OR COMPLETED) 3 SOME POST-SECONDARY 4 POST-SECONDARY CERT. OR DIPLOMA 5 UNIVERSITY
9	1	18- 18		ACTIVITY IN REFERENCE WEEK 1 AT WORK 2 NOT AT WORK, HAS A JOB 3 NOT AT WORK, NO JOB 4 PERMANENTLY UNABLE TO WORK
10	1	19- 19		MULTIPLE JOB HOLDER ☒ 1 YES ☐ 2 NO ☐ BLANK
11	2	20- 21		TOTAL USUAL HOURS WORKED (00-65)
12	1	22- 22		REASON FOR PART-TIME WORK BLANK 1 PERSONAL OR FAMILY RESPONSIBILITIES 2 GOING TO SCHOOL 3 COULD ONLY FIND PART-TIME WORK 4 DID NOT WANT FULL-TIME WORK 5 OTHER REASONS
13	2	23- 24		EXTRA HOURS WORKED BLANK 00-30
14	2	25- 26		HOURS LOST BLANK 00-41

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
15	1	27- 27		REASONS FOR TIME LOSS BLANK 1 ILLNESS OR DISABILITY OR PERSONAL 2 BAD WEATHER 3 LABOUR DISPUTE 4 LAYOFF 5 LOST JOB/NEW JOB 6 VACATION 7 WORKING SHORT-TIME 8 OTHER
16	2	28- 29		WEEKS UNTIL NEW JOB STARTS BLANK 00-13
17	2	30- 31		TOTAL ACTUAL HOURS WORKED BLANK 00-65
18	1	32- 32		WAGES OR SALARY FOR TIME OFF BLANK 1 YES 2 NO
19	2	33- 34		WEEKS OF CONTINUOUS ABSENCE BLANK 00-18
20	1	35- 35		LOOKED FOR WORK IN PAST SIX MONTHS BLANK 1 YES 2 NO 3 N/A
21	1	36- 36		LOOKED FOR WORK IN PAST FOUR WEEKS 1 YES 2 NO
22	1	37- 37		METHODS USED: CONTACTED EMPLOYERS BLANK 1 YES 2 NO

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
23	1	38- 38		METHODS USED: USED PUBLIC EMPLOYMENT AGENCY BLANK 1 YES 2 NO
24	1	39- 39		METHODS USED: LOOKED AT ADS BLANK 1 YES 2 NO
25	1	40- 40		METHODS USED: USED OTHER METHODS BLANK 1 YES 2 NO
26	1	41- 41		REASON FOR LEAVING LAST JOB BLANK 1 ILLNESS OR DISABILITY 2 PERSONAL OR FAMILY RESPONSIBILITIES 3 GOING TO SCHOOL 4 LOST JOB OR LAID OFF 5 RETIRED 6 OTHER REASONS 7 LAST WORKED MORE THAN 5 YEARS AGO 8 NEVER WORKED
27	1	42- 42		ACTIVITY BEFORE STARTED LOOKING FOR WORK BLANK 1 WORKING 2 KEEPING HOUSE 3 SCHOOL 4 OTHER
28	2	43- 44		WEEKS LOOKING FOR WORK BLANK 00-39
29	1	45- 45		TYPE OF WORK SOUGHT BLANK 1 FULL-TIME, PERMANENT 2 FULL-TIME, TEMPORARY 3 PART-TIME, PERMANENT 4 PART-TIME, TEMPORARY

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
30	1	46- 46		REASON FOR NOT LOOKING IN REFERENCE WEEK BLANK 1 ILLNESS OR PERSONAL RESPONSIBILITIES 2 AT SCHOOL 3 NO LONGER INTERESTED OR FOUND JOB 4 AWAITING RECALL OR REPLY 5 BELIEVES NO WORK AVAILABLE 6 OTHER REASONS
31	1	47- 47		AVAILABILITY FOR WORK BLANK 1 NOT AVAILABLE; GOING TO SCHOOL 2 NOT AVAILABLE; OTHER REASONS 3 AVAILABLE
32	1	48- 48		SCHOOL ENROLMENT BLANK 1 NOT ENROLLED 2 PRIMARY OR SECONDARY 3 UNIVERSITY, FULL-TIME 4 UNIVERSITY, PART-TIME 5 COMMUNITY COLLEGE, FULL-TIME 6 COMMUNITY COLLEGE, PART-TIME 7 OTHER, FULL-TIME 8 OTHER, PART-TIME
33	1	49- 49		CHANGED OR FOUND JOB SINCE LAST MONTH BLANK 1 YES 2 NO
34	1	50- 50		TYPE OF JOB (PRESENT OR PREVIOUS) 1 FULL-TIME 2 PART-TIME 3 N/A
35	1	51- 51		LABOUR FORCE STATUS 1 EMPLOYED 2 UNEMPLOYED 3 NOT IN LABOUR FORCE

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
36	1	52- 52		CLASS OF WORKER 1 PAID, PRIVATE 2 PAID, GOVERNMENT BUSINESS 3 PAID, GOVERNMENT NON-BUSINESS 4 EMPLOYER 5 OWN ACCOUNT 6 UNPAID FAMILY WORKER 7 NEVER WORKED 8 RESIDUE
37	2	53- 54		INDUSTRY 01 AGRICULTURE 02 OTHER PRIMARY 03 MANUFACTURING, NON-DURABLES 04 MANUFACTURING, DURABLES 05 CONSTRUCTION 06 TRANSPORTATION, ETC. 07 WHOLESALE TRADE 08 RETAIL TRADE 09 FINANCE, ETC. 10 COMMUNITY SERVICES 11 PERSONAL SERVICES 12 BUSINESS AND MISC. SERVICES 13 PUBLIC ADMINISTRATION 14 NEVER WORKED * LAST WORKED MORE THAN 5 YEARS AGO PERMANENTLY UNABLE TO WORK

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
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38	2	55- 56		OCCUPATION 01 OFFICIALS AND ADMINISTRATORS, GOV'T. 02 OTHER MANAGERS AND ADMINISTRATORS 03 MANAGEMENT AND ADMINISTRATION RELATED 04 PHYSICAL, LIFE SCIENCE 05 MATHS, STATS, SYSTEMS ANALYSIS AND RELATED 06 ARCHITECTS AND ENGINEERS 07 ARCHITECTURE AND ENGINEERING RELATED 08 SOCIAL SCIENCE AND RELATED 09 RELIGION 10 UNIVERSITY AND RELATED 11 ELEMENTARY, SECONDARY AND RELATED 12 OTHER TEACHING AND RELATED 13 HEALTH DIAGNOSING AND TREATING 14 NURSING, THERAPY AND RELATED 15 MEDICINE AND HEALTH RELATED 16 ARTISTIC AND RECREATION 17 STENOGRAPHIC AND TYPING 18 BOOKKEEPING, ACCOUNT-RECORDING AND RELATED 19 OFFICE MACHINE AND EDP OPERATORS 20 MATERIAL RECORDING, SCHEDULING AND DISTRIBUTION 21 RECEPTION, INFO. MAIL AND MESSAGE DISTRIBUTION 22 LIBRARY, FILE., CORRES., OTHER CLERICAL AND REL. 23 SALES, COMMODITIES 24 SALES, SERVICES AND OTHER SALES 25 PROTECTIVE SERVICES 26 FOOD AND BEVERAGE PREPARATION AND RELATED LOGGING AND ACCOMMODATION 27 PERSONAL, APPAREL AND FURNISHING SERVICE 28 OTHER SERVICE OCCUPATIONS 29 FARMERS AND FARM MANAGEMENT 30 OTHER FARMING, HORTICULTURE AND ANIMAL HUSBANDRY 31 FISHING, HUNTING, TRAPPING AND RELATED 32 FORESTRY AND LOGGING 33 MINING AND QUARRYING-INCLUDIND GAS AND OIL FIELD 34 FOOD, BEVERAGE AND RELATED 35 OTHER PROCESSING OCCUPATIONS 36 METAL SHAPING AND FORMING OCCUPATIONS 37 OTHER MACHINING OCCUPATIONS 38 METAL PRODUCTS, N.E.C. 39 ELECTRICAL, ELECTRONICS AND RELATED EQUIPMENT 40 TEXTILES, FURS AND LEATHER GOODS 41 WOOD PRODUCTS, RUBBER, PLASTICS AND OTHER RELATED 42 MECHANICS AND REPAIRMAN, EXCEPT ELECTRICAL 43 EXCAVATING, GRADING, PAVING AND RELATED 44 ELECTRICAL POWER, LIGHTING AND WIRE COMMUNICATIONS 45 OTHER CONSTRUCTION TRADES 46 MOTOR TRANSPORT OPERATORS 47 OTHER TRANSPORTATION OPERATORS

STANDARDIZED RECORD LAYOUT

PAGE 008

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
39	2	57- 58		48 MATERIAL HANDLING 49 OTHER CRAFTS AND EQUIPMENT OPERATORS 50 NEVER WORKED LAST WORKED MORE THAN 5 YEARS AGO, OR PERMANENTLY UNABLE TO WORK
				DURATION OF UNEMPLOYMENT BLANK 00-53
40	1	59- 59		JOB TENURE BLANK 1 1-6 MONTHS 2 7-12 MONTHS 3 1-5 YEARS 4 6-10 YEARS 5 11-20 YEARS 6 OVER 20 YEARS
41	1	60- 60		DURATION OF JOBLESSNESS BLANK 1 0-1 MONTH 2 1-3 MONTHS 3 4-6 MONTHS 4 7-12 MONTHS 5 13-24 MONTHS 6 2-5 YEARS 7 6-10 YEARS 8 OVER 10 YEARS
42	1	61- 61		DURATION OF PREVIOUS JOB BLANK 1 NEVER WORKED 2 1-3 MONTHS 3 4-6 MONTHS 4 7-12 MONTHS 5 1-5 YEARS 6 OVER 5 YEARS

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
43	1	62- 62		FLWS INTO UNEMPLOYMENT BLANK 1 JOB LOSERS 2 JOB LEAVERS 3 NEW ENTRANTS 4 RE-ENTRANTS-ONE YEAR OR LESS 5 RE-ENTRANTS-GREATER THAN 1 YEAR
44	1	63- 63		AGE OF HEAD 2 17-19 YEARS 3 20-24 YEARS 4 25-34 YEARS 5 35-44 YEARS 6 45-54 YEARS 7 55-64 YEARS 8 65-69 YEARS 9 70 YEARS AND OVER
45	1	64- 64		AGE OF SPOUSE 0 NO SPOUSE PRESENT 1 15-16 YEARS 2 17-19 YEARS 3 20-24 YEARS 4 25-34 YEARS 5 35-44 YEARS 6 45-54 YEARS 7 55-64 YEARS 8 65-69 YEARS 9 70 YEARS AND OVER
46	1	65- 65		SIZE OF FAMILY (0-8 AND 9+)
47	1	66- 66		NUMBER OF OWN CHILDREN: AGES 0-2 YRS. 0 NONE 1 1 CHILD 2 2 CHILDREN 3 3 OR MORE CHILDREN
48	1	67- 67		NUMBER OF OWN CHILDREN: AGES 3-5 YRS. 0 NONE 1 1 CHILD 2 2 CHILDREN 3 3 OR MORE CHILDREN

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
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49	1	68- 68		NUMBER OF OWN CHILDREN: AGES 6-15 YRS.
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0 NONE
1 1 CHILD
2 2 CHILDREN
3 3 CHILDREN
4 4 CHILDREN
5 5 OR MORE CHILDREN

50	1	69- 69		NUMBER OF OWN CHILDREN: AGES 16-24 YRS.
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0 NONE
1 1 CHILD
2 2 CHILDREN
3 3 CHILDREN
4 4 CHILDREN
5 5 OR MORE CHILDREN

51	1	70- 70		NUMBER OF OTHER CHILDREN: AGES 0-15 YRS.
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0 NONE
1 1 CHILD
2 2 CHILDREN
3 3 OR MORE CHILDREN

52	1	71- 71		NUMBER OF OTHER CHILDREN: AGES 16-24 YRS.
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0 NONE
1 1 CHILD
2 2 CHILDREN
3 3 OR MORE CHILDREN

53	1	72- 72		NUMBER OF CHILDREN AGES 16-24 ATTENDING SCHOOL
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0 NONE
1 1 CHILD
2 2 CHILDREN
3 3 CHILDREN
4 4 CHILDREN
5 5 CHILDREN
6 6 CHILDREN
7 7 CHILDREN
8 8 CHILDREN
9 9 OR MORE CHILDREN

STANDARDIZED RECORD LAYOUT

FIELD -----	LENGTH -----	POSITION -----	QUESTION -----	DESCRIPTION -----
54	1	73- 73		LABOUR FORCE STATUS OF HEAD 1 EMPLOYED FULL-TIME 2 EMPLOYED PART-TIME 3 UNEMPLOYED 4 NOT IN LABOUR FORCE 5 OUT OF SCOPE
55	1	74- 74		LABOUR FORCE STATUS OF SPOUSE 1 EMPLOYED FULL-TIME 2 EMPLOYED PART-TIME 3 UNEMPLOYED 4 NOT IN LABOUR FORCE 5 OUT OF SCOPE
56	1	75- 75		NUMBER OF EMPLOYED FAMILY MEMBERS (0-8, 9+)
57	1	76- 76		NUMBER OF UNEMPLOYED FAMILY MEMBERS (0-8, 9+)
58	1	77- 77		EDUCATION OF HEAD 1 0-8 YEARS 2 SOME SECONDARY 3 SOME POST-SECONDARY 4 CERTIFICATE OR DIPLOMA 5 UNIVERSITY DEGREE
59	1	78- 78		EDUCATION OF SPOUSE BLANK 1 0-8 YEARS 2 SOME SECONDARY 3 SOME POST-SECONDARY 4 CERTIFICATE OR DIPLOMA 5 UNIVERSITY DEGREE

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
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60	2	79- 80		OCCUPATION OF HEAD
				BLANK
				01 MANAGERIAL, ADMINISTRATIVE
				02 NATURAL SCIENCE
				03 SOCIAL SCIENCE
				04 RELIGION
				05 TEACHING
				06 MEDICINE
				07 ARTISTIC
				08 CLERICAL
				09 SALES
				10 SERVICE
				11 FARMING
				12 FISHING
				13 FORESTRY
				14 MINING
				15 PROCESSING
				16 MACHINING
				17 FABRICATING
				18 CONSTRUCTION
				19 TRANSPORTATION
				20 MATERIALS HANDLING
				21 OTHER CRAFTS
				22 NEVER WORKED BEFORE
				23 LAST WORKED MORE THAN 5 YEARS AGO
				24 PERM. UNABLE TO WORK

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
61	2	81- 82		OCCUPATION OF SPOUSE BLANK 01 MANAGERIAL, ADMINISTRATIVE 02 NATURAL SCIENCE 03 SOCIAL SCIENCE 04 RELIGION 05 TEACHING 06 MEDICINE 07 ARTISTIC 08 CLERICAL 09 SALES 10 SERVICE 11 FARMING 12 FISHING 13 FORESTRY 14 MINING 15 PROCESSING 16 MACHINING 17 FABRICATING 18 CONSTRUCTION 19 TRANSPORTATION 20 MATERIALS HANDLING 21 OTHER CRAFTS 22 NEVER WORKED 23 LAST WORKED MORE THAN 5 YEARS AGO 24 PERM. UNABLE TO WORK
62	9	83- 91		WEIGHT (XXXXX.XXXX)
63	1	92- 92		COURSE ENROLLMENT IN 1983 (DERIVED) 1 TOOK A COURSE IN 1983 2 ALL OTHERS
64	1	93- 93		LANGUAGE AT HOME (DERIVED) 1 ENGLISH SPEAKING IN QUEBEC 2 ENGLISH SPEAKING OUTSIDE OF QUEBEC 3 FRENCH SPEAKING IN QUEBEC 4 FRENCH SPEAKING OUTSIDE OF QUEBEC 5 OTHER LANGUAGES IN QUEBEC 6 OTHER LANGUAGES OUTSIDE OF QUEBEC 7 NOT STATED IN QUEBEC 8 NOT STATED OUTSIDE OF QUEBEC

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
65	1	94- 94		MOTHER TONGUE (DERIVED) 1 ANGLOPHONE IN QUEBEC 2 ANGLOPHONE OUTSIDE OF QUEBEC 3 FRANCOPHONE IN QUEBEC 4 FRANCOPHONE OUTSIDE OF QUEBEC 5 OTHER MOTHER TONGUE IN QUEBEC 6 OTHER MOTHER TONGUE OUTSIDE OF QUEBEC 7 NOT STATED IN QUEBEC 8 NOT STATED OUTSIDE OF QUEBEC
66	1	95- 95		SECOND LANGUAGE COURSE ENROLLMENT (DERIVED) 1 TOOK ONLY AN OTHER LANGUAGE COURSE 2 TOOK ONLY A FRENCH LANGUAGE COURSE 3 TOOK BOTH A FRENCH LANGUAGE COURSE AND AN OTHER LANGUAGE COURSE 4 TOOK ONLY AN ENGLISH LANGUAGE COURSE 5 TOOK BOTH AN ENGLISH LANGUAGE COURSE AND AN OTHER LANGUAGE COURSE 6 TOOK BOTH AN ENGLISH LANGUAGE COURSE AND A FRENCH LANGUAGE COURSE 7 TOOK A SECOND LANGUAGE COURSE, TYPE NOT STATED 8 DID NOT TAKE A SECOND LANGUAGE COURSE 9 DON'T KNOW IF A SECOND LANGUAGE COURSE WAS TAKEN
67	4	96- 99		TOTAL HOURS OF INSTRUCTION (DERIVED) 0000-4168 NUMBER OF HOURS 8888 DON'T KNOW 9999 NOT STATED
68	1	100- 100		FULL TIME STUDENT AT A SCHOOL, COLLEGE OR UNIVERSITY DURING 1983? 1 YES 2 NO 9 NOT STATED
69	1	101- 101		ENROLLED IN ANY COURSES TO UPGRADE ACADEMIC QUALIFICATIONS DURING 1983? 1 YES 2 NO 3 DON'T KNOW 9 NOT STATED

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
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70	1	102- 102		RECEIVE ANY INSTRUCTION OR TRAINING TO UPGRADE JOB SKILLS, INCLUDING COURSES TAKEN AT WORK, DURING 1983? 1 YES 2 NO 3 DON'T KNOW 9 NOT STATED
71	1	103- 103		ENROLL IN ANY CLASS OR COURSE FOR PERSONAL INTEREST OR AN ART OR CRAFT CLASS, DURING 1983? 1 YES 2 NO 3 DON'T KNOW 9 NOT STATED
72	1	104- 104		ENROLL IN ANY OTHER KIND OF COURSE, CLASS OR PROGRAM OF INSTRUCTION DURING 1983? 1 YES 2 NO 3 DON'T KNOW 9 NOT STATED
73	1	105- 105		OTHER THAN FULL-TIME COURSES DURING 1983, DID YOU TAKE A COURSE TO LEARN A SECOND LANGUAGE? 1 YES 2 NO 3 DON'T KNOW 9 NOT STATED
74	1	106- 106		WAS THAT AN ENGLISH LANGUAGE COURSE? 0 NOT APPLICABLE 1 YES -ENGLISH 9 NOT STATED
75	1	107- 107		WAS THAT A FRENCH LANGUAGE COURSE? 0 NOT APPLICABLE 2 YES- FRENCH 9 NOT STATED
76	1	108- 108		WAS THAT AN OTHER LANGUAGE COURSE? 0 NOT APPLICABLE 3 YES -OTHER 9 NOT STATED

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
77	2	109- 110		TOTAL NUMBER OF COURSES TAKEN IN 1983 00-25 NUMBER 88 DON'T KNOW 99 NOT STATED
78	1	111- 111		LAST COURSE TAKEN IN 1983 -TYPE OF COURSE? 1 ACADEMIC 2 JOB RELATED 3 HOBBY, CRAFT OR RECREATION 4 PERSONAL DEVELOPMENT, GENERAL INTEREST 5 OTHER 6 DON'T KNOW 9 NOT STATED 0 NO COURSE/NOT APPLICABLE
79	2	112- 113		WHO ORGANIZED/OFFERED THE LAST COURSE TAKEN? 00 NO COURSE/NOT APPLICABLE 01 EMPLOYER 02 UNION OR PROFESSIONAL ASSOCIATION 03 UNIVERSITY 04 COLLEGE OR CEGEP 05 SCHOOL BOARD (ELEMENTARY OR SECONDARY) 06 PRIVATE OR COMMERCIAL SCHOOL 07 LIBRARY 08 CHURCH 09 OTHER VOLUNTARY ORGANIZATION 10 DON'T KNOW 99 NOT STATED
80	1	114- 114		WHAT WAS THE MOST IMPORTANT REASON FOR TAKING THIS COURSE? 0 NO COURSE/NOT APPLICABLE 1 IMPROVE JOB OPPORTUNITIES 2 PERSONAL INTEREST AND DEVELOPMENT 3 DON'T KNOW 9 NOT STATED
81	2	115- 116		HOW MANY HOURS OF INSTRUCTION WERE THERE EACH WEEK? 00-80 NUMBER OF HOURS 88 DON'T KNOW 99 NOT STATED

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
82	2	117- 118		HOW MANY WEEKS DID THE COURSE LAST? 00-52 NUMBER OF WEEKS 88 DON'T KNOW 99 NON STATED
83	1	119- 119		WHO PAID THE FEE OR TUITION FOR THE COURSE? 0 NO COURSE/NOT APPLICABLE 1 SELF OR FAMILY 2 EMPLOYER 3 OTHER 4 NO FEE 5 DON'T KNOW 9 NOT STATED
84	1	120- 120		LANGUAGE SPOKEN AT HOME 1 ENGLISH 2 FRENCH 3 OTHER 9 NOT STATED
85	1	121- 121		LANGUAGE FIRST LEARNED AND STILL UNDERSTOOD 1 ENGLISH 2 FRENCH 3 OTHER 9 NOT STATED
86	1	122- 122		PLACE OF BIRTH 1 IN CANADA 2 OUTSIDE CANADA 9 NOT STATED
87	2	123- 124		YEAR FIRST IMMIGRATED TO CANADA 00-84 YEAR 85 NOT APPLICABLE 88 DON'T KNOW 99 NOT STATED

STANDARDIZED RECORD LAYOUT

FIELD	LENGTH	POSITION	QUESTION	DESCRIPTION
88	2	125- 126		EDUCATION OF MOTHER
				01 NO SCHOOLING
				02 ELEMENTARY- SOME
				03 ELEMENTARY- COMPLETED
				04 SECONDARY- SOME
				05 SECONDARY- COMPLETED
				06 COLLEGE- SOME
				07 COLLEGE- COMPLETED
				08 UNIVERSITY- SOME
				09 UNIVERSITY- COMPLETED
				10 DON'T KNOW
				99 NOT STATED
89	2	127- 128		EDUCATION OF FATHER
				01 NO SCHOOLING
				02 ELEMENTARY- SOME
				03 ELEMENTARY- COMPLETED
				04 SECONDARY- SOME
				05 SECONDARY- COMPLETED
				06 COLLEGE- SOME
				07 COLLEGE- COMPLETED
				08 UNIVERSITY- SOME
				09 UNIVERSITY- COMPLETED
				10 DON'T KNOW
				99 NOT STATED

STANDARDIZED RECORD LAYOUT

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FIELD ----	LENGTH -----	POSITION -----	QUESTION -----	DESCRIPTION -----
90	2	129- 130		LAST COURSE TAKEN DURING 1983
				00 BLANK
				01 HIGH SCHOOL AND ACADEMIC UPGRADING INCLUDING GED
				02 SECRETARIAL/WORD PROCESSING/TYPING ETC.
				03 SKILLED TRADES
				04 SECURITY AND POLICE RELATED
				05 OTHER VOCATIONAL TRAINING
				06 RECREATIONAL INSTRUCTION -PHYSICAL ACTIVITY
				07 RECREATIONAL INSTRUCTION -NOT PHYSICAL ACTIVITY
				08 PHYSICAL EXERCISE
				09 CRAFTS
				10 MUSIC
				11 FIRST AID/EMERGENCY CARE/CPR
				12 DRIVER INSTRUCTION COURSES
				13 FAMILY RELATED/PERSONAL DEVELOPMENT
				14 OTHER PERSONAL DEVELOPMENT
				15 REAL ESTATE/LIFE INSURANCE/SALES
				16 BUSINESS/COMMERCE/MANAGEMENT/ADMINISTRATION
				17 COMPUTER RELATED COURSES
				18 EDUCATION
				19 ENGINEERING/ENGINEERING TECHNOLOGIES
				20 HEALTH TECHNOLOGIES
				21 AGRICULTURE/BIOLOGICAL SCIENCE
				22 LANGUAGE -ENGLISH
				23 LANGUAGE -FRENCH
				24 LANGUAGE -OTHER
				25 HUMANITIES
				26 SOCIAL SCIENCES
				27 PHYSICAL SCIENCES AND MATHEMATICS
				28 OTHER COURSES
				30 HEALTH RELATED
				99 UNCODEABLE

STANDARDIZED RECORD LAYOUT

FIELD -----	LENGTH -----	POSITION -----	QUESTION -----	DESCRIPTION -----
91	2	131- 132		METROPOLITAN AREA
				BLANK
				01 ST. JOHN'S
				02 HALIFAX
				03 SAINT JOHN
				04 CHICOUTIMI
				05 QUEBEC
				06 MONTREAL
				07 OTTAWA-HULL
				08 SUDBURY
				09 TORONTO
				10 HAMILTON
				11 ST. CATHERINES-NIAGARA
				12 LONDON
				13 WINDSOR
				14 KITCHENER
				15 THUNDER BAY
				16 WINNIPEG
				17 REGINA
				18 SASKATOON
				18 CALGARY
				20 EDMONTON
				21 VANCOUVER
				22 VICTORIA
				23 OSHAWA