

# THE ADULT EDUCATION AND TRAINING SURVEY

MICRODATA USER'S GUIDE



*THE SPECIAL SURVEYS GROUP  
STATISTICS CANADA*

*1991*



# The Adult Education and Training Survey

## Microdata User's Guide

### TABLE OF CONTENTS

	<u>Page</u>
1. INTRODUCTION .....	1
2. BACKGROUND .....	2
3. SURVEY OBJECTIVES .....	3
4. CONCEPTS AND DEFINITIONS .....	4
5. SURVEY DESIGN .....	6
5.1 Population Coverage .....	6
5.2 Sample Design .....	6
5.3 Sample Size .....	10
5.4 Sample Rotation .....	10
5.5 Sample Design Modifications for the 1990 Adult Education and Training Survey (AETS) .....	10
6. DATA COLLECTION .....	11
6.1 Interviewing for the LFS .....	11
6.2 Supervision and Control .....	11
6.3 Non-response to the LFS .....	12
6.4 Non-response to the AETS .....	13
7. DATA PROCESSING .....	14
7.1 Data Capture .....	14
7.2 Editing and Correction .....	14
7.3 Coding of Open-ended Questions .....	14
7.4 Weighting .....	15
7.5 Suppression of Confidential Information .....	15

## TABLE OF CONTENTS (Con'd.)

	<u>Page</u>
8. SAMPLING ERROR .....	18
8.1 Where to Obtain Coefficients of Variation for Qualitative Estimates .....	19
8.2 How to Obtain Coefficients of Variation for Quantitative Estimates .....	22
8.3 Confidence Limits .....	23
9. NON-SAMPLING ERROR .....	25
9.1 Total Non-response .....	25
9.2 Partial Non-response .....	25
10. PUBLICATION AND RELEASE GUIDELINES .....	26
10.1 Rounding Guidelines .....	26
10.2 Sample Weighting Guidelines for Tabulation .....	27
10.3 Sampling Variability Guidelines .....	27
10.4 Guidelines for Statistical Analysis .....	29

### APPENDICES

- A. Questionnaires
  - 1. LFS Questionnaires and code sheets
  - 2. AETS Questionnaire
- B. Weighting Procedures for the AETS
- C. AETS Record Layout
- D. Approximate Sampling Variability Tables
- E. List of Education Codes

## 1. INTRODUCTION

The Adult Education and Training Survey 1990 was conducted by Statistics Canada with the cooperation and support of Employment and Immigration Canada. This manual has been produced to facilitate the manipulation of the microdata file of the survey results.

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

English                      Mr. Stephen Arrowsmith  
Special Surveys Group, Statistics Canada  
Section D-7  
5th Floor, Jean Talon Building  
Ottawa, Ontario, K1A 0T6  
1-613-951-0566

French                        Mr. Gilles Montigny  
Special Surveys Group, Statistics Canada  
Section D-7  
5th Floor, Jean Talon Building  
Ottawa, Ontario, K1A 0T6  
1-613-951-9731

Ms. Patricia Mosher  
Occupational Studies and Program Linkage Unit  
Labour Market Outlook and  
Structural Analysis Division  
Employment and Immigration Canada  
Place du Portage, Phase IV  
140 Promenade du Portage  
Hull, Quebec  
1-819-997-2425



## 2. BACKGROUND

During the 1980's Statistics Canada conducted two household based surveys specifically designed to collect information on adult education and training. The 1984 Adult Education Survey (AES) was commissioned by the Department of the Secretary of State. The 1986 Adult Training Survey (ATS) was commissioned by the Department of Employment and Immigration Canada. Both surveys provided information on participation in training, with the ATS providing greater detail on employer involvement in sponsorship.

In November of 1990, another survey on Adult Education and Training (AETS) was commissioned by Employment and Immigration Canada in response to growing concern regarding education, training, and retraining as economic development issues. The AETS is largely modelled on the ATS with additional information on barriers to training.





### 3. OBJECTIVES

The objectives of the Adult Education and Training Survey were:

- to measure the incidence of adult education/training in Canada in a comprehensive manner;
- to provide a socio/economic/demographic profile of individuals who participated and did not participate in training;
- to profile the types, durations and locations of training;
- to profile employer involvement in the training process;
- to identify barriers to training and education.



#### 4. CONCEPTS AND DEFINITIONS

The following section outlines the concepts and definitions used in the Adult Education and Training Survey. Users are referred to Appendix A of this document for a copy of the actual survey form used in the 1990 survey.

##### Apprenticeship program

Apprenticeship involves learning a trade through observation, practice, study and attending technical courses. The length of the apprenticeship program varies from two to four years during which time the person is bound by contract to an employer who has agreed to provide the opportunity for that person to work and gain experience in the trade.

##### Commercial training school

These are private schools licensed by the province which are profit oriented and are engaged in providing professional and vocational training.

##### Community colleges

These include colleges of applied arts and technology or CAATS (in Ontario), colleges classiques and CEGEPS (in Quebec) and those programs which normally require successful completion of secondary school.

##### Vocational or trade school

Technical and trades training varies between and within provinces. It is offered in both public and private institutions such as community colleges, institutes of technology, trade schools and business colleges. It may also take place on the job, in apprenticeship programs or training in industry.

##### During the past 12 months

This refers to any period between December 1, 1989 and November 30, 1990.

##### Full-time program/Part-time program

This is determined by the educational institution. All schools classify their students as being full-time or part-time depending on the number of courses in which they are enrolled. Hence, whether a person was marked as a full-time or a part-time student depends on how he/she was classified by the school, college or university which he/she attended.

##### Full-time training

This is defined as time spent in a training course/program which occupied most of each work day for the duration of the course.

**Full-time training which lasted less than one month**

It implies intensive, continuous training of less than one month. This training is usually taken during normal working hours.

**Short-term courses/training**

These are courses which were taken on a full-time basis and which lasted for less than one month.

**Part-time courses/training**

This implies that the course/training was not taken all together, but was spread over a longer duration and was taken on an occasional basis.

## 5. SURVEY DESIGN

The Adult Education and Training Survey was administered in November 1990 to a sub-sample of the dwellings in the Labour Force Survey (LFS) sample, and therefore its sample design is closely tied to that of the LFS. The LFS design is briefly described in Sections 5.1 to 5.4<sup>1</sup>. Section 5.5 describes how the AETS departed from the basic LFS design in 1990.

### 5.1 Population Coverage

The LFS is the largest continuing household survey in Canada whose sample consists of approximately 72,300 dwellings across Canada. The LFS is representative of the civilian, non-institutionalized population 15 years of age or older in Canada's ten provinces. Specifically excluded from the survey's coverage are residents of the Yukon and Northwest Territories, persons living on Indian Reserves, full-time members of the Canadian Armed Forces and inmates of institutions. These groups together represent an exclusion of approximately 3% of the population aged 15 or over.

### 5.2 Sample Design

The LFS sample is based upon a stratified, multi-stage design employing probability sampling at all stages of the design. The design principles are the same for each province. A diagram summarizing the design stages appears on page 9.

#### 5.2.1 **Primary Stratification**

Provinces are first stratified into economic regions - geographic areas of more or less homogeneous economic structure formed on the basis of federal provincial agreements. Economic regions are relatively stable over time.

These economic regions are treated as primary strata and further stratification is carried out within them (see section 5.2.3).

#### 5.2.2 **Types of Areas**

Economic regions are further disaggregated into 3 categories: self-representing areas (SRU's), non-self-representing areas (NSRU's) and special areas. Generally SRU's are urban areas whose population, as of the 1981 Census, exceeds 15,000 persons or

---

<sup>1</sup> A detailed description of the LFS design is available in the Statistics Canada publication entitled **Methodology of the Canadian Labour Survey, 1976** (Catalogue #71-526). A description of the changes made to this design in 1985 can be found in "Post '81 Censal Redesign of the Canadian Labour Force Survey", **Survey Methodology**, December 1984 (Catalogue #12-001, Vol. 10, No. 2).

whose unique labour force characteristics demand their establishment as SRU's. For the most part, SRU boundaries are coincident with delineations established for the Census.

All SRU's in each economic region are included in the survey and, as the name implies, each is represented by its own sample.

NSRU's are the areas lying outside the SRU's and they consist largely of small urban centres and rural areas. Each economic region contains one NSRU which is represented by its own sample.

A small proportion (approximately 1%) of the LFS population is found in institutions (for example, live-in staff of hospitals or schools or permanent residents of hotels or motels), on military bases (civilian personnel only) or in remote areas of provinces which are not readily accessible to LFS interviewers. For administrative purposes, this portion of the population is sampled separately through the special area frame. This portion of the sample is selected on a province-wide basis, without reference to the stratification used for SRU and NSRU areas.

### 5.2.3 Secondary Stratification

Next, SRU areas are individually delineated into design strata, which reflect areas of similar socio-economic status as identified in the 1981 Census. The extent of the stratification (i.e. number of strata) depends upon the size of the SRU.

In economic regions in which the NSRU population constitutes a significant proportion of the economic region population, the NSRU is next delineated into separate urban and rural strata. Within each of these strata, further stratification is carried out to reflect differences on a number of labour force characteristics.

In special areas, strata are formed on a province-wide basis. The strata reflect the main types of special groups in the population which require special administrative sampling procedures. These are: military establishments, institutions and remote areas.

### 5.2.4 Cluster Delineation and Selection

Within each of the secondary strata found in SRU areas, a number of geographic contiguous groups of dwellings, or clusters, are formed based upon a combination of 1981 Census counts and field enumeration. These clusters generally are coincident with city blocks or block faces. The selection of a sample of clusters (generally 6 or 12 clusters) from each of these secondary strata represents the first stage of sampling in SRU areas.

Within each of the secondary strata in NSRU areas, a number of large geographic areas are delineated in such a way that each one reflects the composition of the stratum within which it is located with respect to a number of socio-economic characteristics. Two or four of these areas, known as primary sampling units (or PSU's) are selected into the sample from each secondary stratum. Within each selected PSU, a number of smaller geographically contiguous groups of dwellings, or clusters, are then formed using well-defined physical features which are recognizable both on maps and in the field.

In special areas, census enumeration areas (geographic areas covered by individual enumerators for the Census) represent the first stage of selection. Within those selected, where necessary, geographically contiguous groups of dwellings or clusters are formed and the selection of a sample of these represents the second stage of sampling.

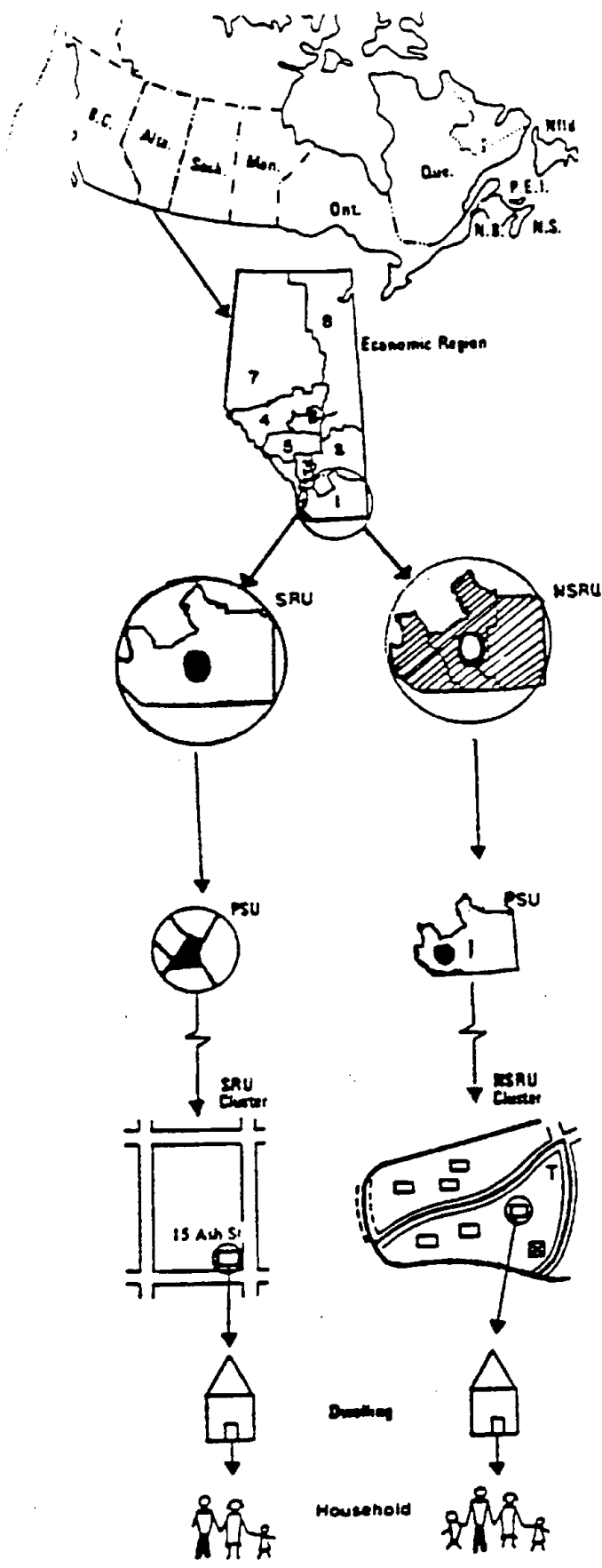
#### **5.2.5 Dwelling Selection**

In all three types of areas (SRU, NSRU and special areas) selected clusters are first visited by enumerators in the field and a listing of all private dwellings in the cluster is prepared. From the listing a sample of 6 dwellings (on average) is then selected. This represents the final stage of sampling.

In the 17 largest SRU's, a sample of apartments in large apartment buildings is selected from a separate register based upon information supplied by CMHC. The purpose of this is to ensure better representation of apartment dwellers in the sample as well as to minimize the effect of growth in clusters, due to construction of new apartment buildings.

#### **5.2.6 Person Selection**

Demographic information is obtained for all persons for whom the selected dwelling is the usual place of residence. LFS information is obtained for all civilian household members 15 years of age or older.



**LFS - SAMPLE DESIGN**

At every stage of the sample design, probability sampling techniques are used to ensure that the sample is random yet representative of the intended survey population.

The sample design is similar for each province.

Each province consists of a number of economic regions - areas of similar economic structure formed on the basis of federal-provincial agreements.

Each economic region is divided into Self-Representing Units (SRU's), Non-Self-Representing Units (NSRU's) and Special Areas. SRU's are cities whose population exceeds 15,000 persons or whose unique characteristics demand their establishment as self-representing units. NSRU's are those areas lying outside the SRU's. Special Areas consist of military establishments, hospitals and other institutions and remote areas.

SRU's and NSRU's are delineated into Primary Sampling Units (PSU's) which are areas that can be conveniently visited by an interviewer. A sample of PSU's is selected.

Selected PSU's are then delineated into clusters of dwellings which correspond to blocks or block faces (in urban areas) and correspond to recognizable physical boundaries (in rural areas). A sample of the clusters is selected and all private dwellings in selected clusters are listed by field enumerators.

Within each selected cluster, a sample of dwellings is selected from the list of dwellings.

Within each selected dwelling, LFS information is obtained for each civilian household member 15 years of age or older.



### 5.3 Sample Size

The sample size of eligible persons in the LFS is determined so as to meet the statistical precision requirements for various labour force characteristics at the provincial and subprovincial level, to meet the requirements of federal, provincial and municipal governments as well as a host of other data users.

The monthly LFS sample consists of approximately 72,300 dwellings. After excluding dwellings found to be vacant, dwellings demolished or converted to non-residential uses, dwellings containing only ineligible persons, dwellings under construction, and seasonal dwellings, about 61,700 dwellings remain which are occupied by one or more eligible persons. From these dwellings, LFS information is obtained for approximately 122,000 civilians aged 15 or over.

### 5.4 Sample Rotation

The LFS employs a panel design whereby the entire monthly sample of dwellings can be considered to consist of 6 panels, or rotation groups, of approximately equal size. Each of these panels can be considered by itself to be representative of the entire LFS population. All dwellings in a rotation group remain in the LFS sample for 6 consecutive months after which time they are replaced (rotated out of the sample) by a new panel of dwellings selected from the same or similar clusters.

This rotation pattern was adopted to ensure that the sample of dwellings constantly reflects changes in the current housing stock and to minimize any problems of non-response or respondent burden that would occur if households were to remain in the sample for longer than 6 months. It also has the statistical advantage of providing a common sample base for short-term month-to-month comparisons of LFS characteristics.

Because of the rotation group feature, it is possible to readily conduct supplementary surveys using the LFS design but employing less than the full size sample.

### 5.5 Sample Design Modifications For The Adult Education and Training Survey

The Adult Education and Training Survey employed five of the six rotation groups in the November 1990 LFS sample. For the AETS, the coverage of the LFS was modified to include all members of the household 17 years of age and over. Also included for the AETS were household members 70 years of age and over.



## 6. DATA COLLECTION

Data collection for the LFS is carried out each month during the week following the LFS reference week, usually the third week of the month.

### 6.1 Interviewing for the LFS

Statistics Canada interviewers, who are part-time employees hired and trained specifically to carry out the LFS, contact each of the sampled dwellings to obtain the required labour force information. Each interviewer contacts approximately 70 dwellings per month.

Dwellings new to the sample are contacted through a personal visit. The interviewer first obtains socio-demographic information for each household member and then obtains labour force information for all eligible members. Provided there is a telephone in the dwelling and permission has been granted, subsequent interviews are conducted by telephone. As a result, approximately 85% of all dwellings are interviewed by telephone. In these subsequent month interviews, as they are called, the interviewer confirms the socio demographic information collected in the first month and collects the labour force information for the current month.

In all dwellings, information about all household members is obtained from a knowledgeable household member - usually the person at home when the interviewer calls. Such 'proxy' reporting, which accounts for approximately 55% of the information collected, is used to avoid the high cost and extended time requirements that would be involved in repeat visits or calls necessary to obtain information directly from each respondent.

At the conclusion of each household's LFS monthly interviews, interviewers introduce the supplementary survey, if any, to be administered to some or all household members that month.

If during the course of the six months that a dwelling normally remains in the sample, an entire household moves out and is replaced by a new household, information is obtained about the new household for the remainder of the six-month period.

### 6.2 Supervision and Control

All LFS interviewers are under the supervision of a staff of senior interviewers. The senior interviewers are responsible for: ensuring that interviewers are familiar with the concepts and procedures of the LFS and any supplementary surveys; periodically monitoring the interviews; and reviewing the completed documents. The senior interviewers are in turn under the supervision of the LFS program managers, located in each of the eight Statistics Canada Regional Offices.

### 6.3 Non-response to the LFS

Interviewers are instructed to make all reasonable attempts to obtain LFS interviews with members of eligible households. For individuals who at first refuse to participate in the LFS, a letter is sent from the Regional Office to the dwelling address stressing the importance of the survey and the household's cooperation. This is followed by a second call (or visit) from the interviewer. For cases in which the timing of the interviewer's call (or visit) is inconvenient, an appointment is arranged to call back at a more convenient time. For cases in which there is no one home, numerous call backs are made. Under no circumstances are sampled dwellings replaced by other dwellings for reasons of non-response.

Each month, even after all attempts to obtain interviews have been made, a small number of non-responding households remain. For households non-responding to the LFS and for which LFS information was obtained in the previous month, this information is brought forward and used as the current month's LFS information. No AETS information was collected for these households.

6.4 Non-response to the AETS

For households responding to the LFS, the next stage of data collection was to administer the AETS to all eligible household members. An eligible household member was one who was 17 years of age or over. In total 99,621 individuals were identified and an Adult Education and Training Survey interview was completed for 92,808 individuals. This represents a response rate of 93.2% for the AETS . The following results were obtained for each province and for Canada as a whole.

AETS Response Rate

Province	Number of eligible individuals	Number of individuals who completed the AETS	Response rate
NFLD	5570	5368	96.4%
PEI	2434	2319	95.3%
NS	7080	6709	94.8%
NB	6518	6126	93.9%
QUE	18799	17946	95.5%
ONT	27709	25534	92.2%
MAN	6570	5938	90.4%
SASK	7191	6659	92.6%
ALTA	9046	8169	90.3%
BC	8704	8040	92.4%
<b>CANADA</b>	<b>99621</b>	<b>92808</b>	<b>93.2%</b>



## 7. DATA PROCESSING

The main output of the AETS is a "clean" microdata file. This section presents a brief summary of the processing steps involved in producing this file.

### 7.1 Data Capture

Capture of AETS data was accomplished using minicomputers located in each of Statistics Canada's Regional Offices. During this process any document containing at least one interviewer-completed item was captured and an unedited version of the computer record electronically transmitted to Ottawa for further processing. In total 100,474 documents were captured and transmitted for the 1990 AETS.

### 7.2 Editing and Correction of the 1990 AETS

The first stage of survey processing undertaken at head office was the replacement of any 'out-of-range' values on the data file with blanks. This process was designed to make further editing easier.

The first type of errors treated were errors in questionnaire flow, where questions which did not apply to the respondent were found to contain answers. In this case a computer edit automatically eliminated superfluous data by following the flow of the questionnaire implied by answers to previous, and in some cases, subsequent questions.

The second type of errors treated were also errors in questionnaire flow. In this case the errors involved a lack of information in questions which should have been answered. For errors of this type, a non-response or "not-stated" code was assigned to the item.

### 7.3 Coding of open-ended questions

A few data items on the questionnaire were recorded by interviewers in an open-ended format. These were items relating to field of study or specialization of the program and title or name of the last course taken during the last 12 months. A total of 20,245 education texts were coded to the three digit major field of study.

Using Automated Coding by Text Recognition (ACTR), a generalized automated coding system, 7,904 education texts were coded automatically. The remaining 12,341 were resolved manually. A sample of the manual coding was double checked for reliability and disagreements were resolved through discussion. A complete list of the education codes used for coding the texts can be found in Appendix E.

#### 7.4 Weighting

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

The weighting phase is a step which calculates, for each record, what this number is and places it on the microdata file for each record. This weight must be used to derive estimates from the microdata file. For example, if the number of individuals enrolled in full-time programs at a university during the past 12 months is to be estimated, it is done by selecting the records referring to those individuals in the sample with that characteristic and summing the weights entered on those records.

Details of the method used to calculate these sampling weights are presented in Appendix B.

#### 7.5 Suppression of Confidential Information

It should be noted that the 'Public-use' microdata file described above differs in a number of important respects from the survey 'master' file held by Statistics Canada. These differences are the result of actions taken to protect the anonymity of individual survey respondents. Users requiring access to information excluded from the microdata file may purchase custom tabulations. Estimates generated will be released to the user subject to meeting the publication and release guidelines outlined in Section 10 of this document.

##### 1) PROVINCE - Suppression of Geographic Identifiers

The AETS master file includes explicit geographic identifiers for province, economic regions and Census Metropolitan Areas. The AETS public-use microdata file does not contain any geographic identifiers below the provincial level.

##### 2) F05Q73Q74 (Type of Industry)/F05Q75, OCCHEAD, OCCSPOUSE (Type of Occupation)

Each record on the AETS master file has been assigned a three-digit 1980 Standard Industrial Code and a three-digit Standard Occupational Code. On the public-use microdata file each of these detailed codes has been collapsed into two-digit codes. There are 15 Type of Industry codes and 51 Type of Occupation codes. For occupation of head and spouse there are only 24 two-digit codes.

##### 3) F03Q33/HDAGE/SPAGE - Age Groups

Actual age on the AETS master file has been grouped into nine age ranges. The same grouping has been applied to the variables age of head and age of spouse.



4) F03Q38/EDHEAD/EDSPOUSE - Educational Attainment

Detail on level of educational attainment has been grouped into six categories. The same grouping has been applied to the variables education of head and education of spouse.

The following variables are from the F06 form - Adult Education and Training Survey Questionnaire.

- 5) Q.13 - Field of study for last full-time program taken
- Q.48 - Name of last short-term or part-time course taken

Each relevant record on the AETS master file has been assigned a three-digit Major Field of Study code. There are approximately 500 codes including those used by Census and a number of supplementary codes. On the public-use microdata file this has been collapsed to about 100 3-digit codes.

- 6) Q.29 - Name of last full-time apprenticeship program
- Q.36 - Name of last course or program taken for employer related full-time training or education

Each relevant record on the AETS master file has been assigned a three-digit Major Field of Study code. There are approximately 500 codes including those used by Census and a number of supplementary codes. On the public-use microdata file the codes have been suppressed.

- 7) Q.14 - Usual time required to complete last full-time program

The AETS master file includes actual number of months or years. The public-use microdata file provides the data in years only.

- 8) Q.21 - Length of time respondent had been working for employer when took last full-time program
- Q.33 - Length of time respondent had been working for employer when took apprenticeship program
- Q.45 - Length of time respondent had been working for employer when took employer-related full-time training or education
- Q.55 Length of time respondent had been working for employer when took last short-term or part-time course

The AETS master file contains the actual number of years. On the public-use microdata file, the number of years has been collapsed into ranges when over 5 years.

- 9) Q.38 - Number of hours of instruction per week while taking employer-related full-time training or education  
Q.49 - Number of hours of instruction per week while taking last short-term or part-time course

The AETS master file contains the actual number of hours. On the public-use microdata file, the numbers have been collapsed in to one group when over 40 hours.

- 10) Q46ANUM - Number of short-term courses taken  
Q47NUM - Number of part-time courses taken

The AETS master file contains the actual number of courses. On the public-use microdata file, the numbers have been collapsed into one group when over 6 courses.

## 8. SAMPLING ERROR

The AETS produces estimates based on information collected from and about a sample of individuals. Somewhat different estimates might have been obtained if a complete census had been taken using the same questionnaire, interviewers, supervisors, processing methods, etc. as those actually used in the survey. The difference between the estimates obtained from the sample and those resulting from a complete count taken under similar conditions is called the sampling error of the estimates.

Since it is an unavoidable fact that estimates from a sample survey are subject to sampling error, sound statistical practice calls for researchers to provide users with some indication of the magnitude of this sampling error. This section of the documentation outlines the measures of sampling error which Statistics Canada commonly uses and which it urges users producing estimates from this microdata file to use also.

The basis for measuring the potential size of sampling errors is the standard error of the estimates derived from survey results.

However, because of the large variety of estimates that can be produced from a survey such as this, the standard error of an estimate is usually expressed relative to the estimate to which it pertains. This resulting measure, known as the coefficient of variation of an estimate, is obtained by dividing the standard error of the estimate by the estimate itself and is expressed as a percentage of the estimate.

For example, suppose that based upon the survey results, one estimates that 22% of the individuals 17 years of age or over took education or training courses/programs during the reference period and that this estimate is found to have standard error of .006. Then the coefficient of variation of the estimate is calculated as:

$$\frac{.006}{.22} \times 100\% = 2.7\%$$

Before discussing how these measures can be obtained it is useful to describe the two main types of point estimates of population characteristics which can be generated from the microdata file for the Adult Education and Training Survey.

### (1) Categorical Estimates

Categorical estimates are estimates of the number, portion or percentage of the surveyed population possessing certain characteristics or falling into some defined category. The number of individuals who were engaged in job-related training or the proportion of individuals in Ontario who participated in short-term/part-time courses are examples of such estimates.

In this context, an estimate of the number of persons possessing a certain characteristic is referred to as an estimate of an aggregate.

## **(2) Quantitative Estimates**

Quantitative estimates are estimates of totals or of means, median and other measures of central tendency of quantities based upon some or all of the members of the surveyed population. They also specifically involve estimates of the form  $\hat{X}/\hat{Y}$  where  $\hat{X}$  is an estimate of surveyed population quantity total and  $\hat{Y}$  is an estimate of the number of persons in the surveyed population contributing to that total quantity.

An example of a quantitative estimate is the average hours of instruction for a short-term/part-time course. The numerator is an estimate of the total number of hours of instruction and the denominator is the number of such individuals who took the short-term/part-time course.

### **8.1 Where to Obtain Coefficients of Variation for Category Estimates**

In order to supply coefficients of variation which would be applicable to a wide variety of category estimates produced from this microdata tape and which could be readily accessed by the user, a set of 'look up' tables, referred to as approximate Sampling Variability Tables, have been produced and included in Appendix D.

These coefficients of variation are derived using the variance formula for simple random sampling and incorporating a factor which reflects the multi-stage, clustered nature of the sample design. This factor, known as the design effect, has been determined by first calculating design effects for a wide range of characteristics and then choosing from among these a conservative value to be used in the look-up tables which then apply to the entire set of characteristics. It is to be noted that all coefficients of variation in these tables are approximate and, therefore, unofficial.

Estimates of actual variance for specific variables may be obtained from Statistics Canada on a cost-recovery basis. As noted in Section 10.3, use of actual variance estimates allows users to release otherwise unreleaseable estimates, i.e. estimates with coefficients of variation in the 'restricted' range.

The following rules should enable the user to determine the approximate coefficients of variation from the Sampling Variability Tables for estimates of the number, proportion or percentage of the surveyed population possessing a certain characteristic and for ratios and differences between such estimates.

#### **Rule 1: Estimates of Numbers Possessing a Characteristic (Aggregates)**

The coefficient of variation depends only on the size of the estimate itself. On the Sampling Variability Table for the appropriate unit of analysis and the appropriate geographic area, locate the estimated number in the left-most column of the table (headed "Numerator of Percentage") and follow the asterisks (if any) across to the first figure encountered. This figure is the approximate coefficient of variation.

## Rule 2: Estimates of Proportions or Percentages Possessing a Characteristic

The coefficient of variation of an estimated proportion or percentage depends on both the size of the proportion or percentage and the size of the total upon which the proportion or percentage is based. Estimated proportions or percentages are relatively more reliable than the corresponding estimates of the numerator of the proportion or percentage, when the proportion or percentage is based upon a sub-group of the population. For example, the percent of males 17 and over who took employer-related full-time training or education is more reliable than the estimated number of males 17 and over who took employer-related full-time training or education. (Note that in the tables, the cv's decline in value reading from left to right).

When the proportion or percentage is based upon the total population of the geographic area covered by the table, the cv of the proportion or percentage is the same as the cv of the numerator of the proportion or percentage. In this case, Rule 1 can be used.

When the proportion or percentage is based upon a subset of the total population (e.g. those in a particular age group), reference should be made to the proportion or percentage (across the top of the table) and to the numerator of the proportion or percentage (down the left side of the table). The intersection of the appropriate row and column gives the coefficient of variation.

## Rule 3: Estimates of Differences Between Aggregates or Percentages

The standard error of a difference between two estimates is approximately equal to the square root of the sum of squares of each standard error considered separately. That is, the standard error of a difference ( $\hat{d} = \hat{X}_1 - \hat{X}_2$ ) is:

$$\sigma_{\hat{d}} = \sqrt{(\hat{X}_1 \alpha_1)^2 + (\hat{X}_2 \alpha_2)^2}$$

where  $\hat{X}_1$  is estimate 1,  $\hat{X}_2$  is estimate 2, and  $\alpha_1$  and  $\alpha_2$  are the coefficients of variation of  $\hat{X}_1$  and  $\hat{X}_2$  respectively. The coefficients of variation of  $\hat{d}$  is given by  $\sigma_{\hat{d}}/\hat{d}$ . This formula is accurate for the difference between separate and uncorrelated characteristics but is only approximate otherwise.

## Rule 4: Estimates of Ratios

In the case where the numerator is a subset of the denominator, the ratio should be converted to a percentage and Rule 2 applied. This would apply, for example, to the case where the denominator is the number of individuals over 17 years of age and the numerator is the number of individuals over 17 years of age who were registered in a full-time program during the past 12 months.

In the case where the numerator is not a subset of the denominator, (for example, the ratio of the number of individuals who took full-time training as compared to the number of individuals who took part-time training during the past 12 months) the standard deviation of the ratio of the estimates is approximately equal to the square root of the sum of squares of each coefficient of variation considered separately multiplied by R. That is, the standard error of a ratio ( $\hat{R} = \hat{X}_1 / \hat{X}_2$ ) is:

$$\sigma_{\hat{R}} = \hat{R} \sqrt{\alpha_1^2 + \alpha_2^2}$$

where  $\alpha_1$  and  $\alpha_2$  are the coefficients of variation of  $\hat{X}_1$  and  $\hat{X}_2$  respectively.

The coefficient of variation of  $\hat{R}$  is given by  $\sigma_{\hat{R}}/\hat{R}$ . The formula will tend to overstate the error, if  $\hat{X}_1$  and  $\hat{X}_2$  are positively correlated and understate the error if  $\hat{X}_1$  and  $\hat{X}_2$  are negatively correlated.

#### Rule 5: Estimates of Differences of Ratios

In this case, Rules 3 and 4 are combined. The cv's for the two ratios are first determined using Rule 4, and then the cv of their difference is found using Rule 3.

The following two 'real life' examples are included to assist users in applying the foregoing rules.

#### Example 1

Suppose that a user estimates that 169,536 males 17 and over in Ontario took short-term/part-time courses sponsored by their employer during the reference period. How does the user determine the coefficient of variation of this estimate?

- (1) Refer to the table for Ontario in Appendix D.
- (2) The estimated aggregate, 169,536, does not appear in the left-hand column (the 'Numerator of Percentage' column), so it is necessary to use the figure closest to it, namely 150,000.
- (3) The coefficient of variation for an estimated aggregate is found by referring to the first non-asterisk entry on that row, namely, 6.8%
- (4) Therefore the approximate coefficient of variation of the estimate is 6.8%

### Example 2

Suppose that the user estimates that 76.7% of males 17 and over in Ontario took short-term/part-time courses sponsored by their employer during the reference period. This is the expression of the estimate obtained in Example 1 as a percentage of all males 17 years of age and over in Ontario who took short-term/part-time courses. How does the user determine the coefficient of variation of this estimate?

- (1) Refer to the table for Ontario in Appendix D.
- (2) Because the estimate is a percentage which is based on a subset of the total population, it is necessary to use both the percentage (76.7%) and the numerator portion of the percentage (169,536) in determining the coefficient of variation.
- (3) The numerator, 169,536, does not appear in the left-hand column (the 'Numerator of Percentage' column) so it is necessary to use the figure closest to it, namely 150,000. Similarly, the percentage estimate does not appear as any of the column headings, so it is necessary to use the figure closest to it, namely, 70.0%
- (4) The figure at the intersection of the row and column used, namely, 3.8% is the coefficient of variation to be used.
- (5) Therefore the approximate coefficient of variation of the estimate is 3.8%

### 8.2 How to Obtain Coefficients of Variation for Quantitative Estimates

For quantitative estimates, special tables would have to be produced to determine their sampling error. Since the variables for the Adult Education and Training Survey are primarily categorical in nature, this has not been done.

As a general rule, however, the coefficient of variation of a quantitative total will be larger than the coefficient of variation of the corresponding category estimate (i.e., the estimate of the number of persons contributing to the quantitative estimates). If the corresponding category estimate is not releasable, the quantitative estimate will not be either. For example, the coefficient of variation of total number of hours of instruction for short-term/part-time courses sponsored by the employer would be greater than the coefficient of variation of the corresponding proportion of those who took short-term/part-time courses which were sponsored by the employer. Hence if the coefficient of variation of the proportion is not releasable, then the coefficient of variation of the corresponding quantitative estimate will not be releasable either.

Coefficients of variation of such estimates can be derived as required for a specific estimate using a technique known as pseudo replication. This involves dividing the records on the microdata files into subgroups (or replicates) and determining the variation in the estimate from replicate to replicate. Users wishing to derive coefficient of variation for quantitative estimates may contact Statistics Canada for advice on the allocation of records to appropriate replicates and the formulae to be used in these calculations.

### 8.3 Confidence Limits

Although coefficients of variation are widely used, a more intuitively meaningful measure of sampling error is the confidence interval of an estimate. A confidence interval constitutes a statement on the level of confidence that the true value for the population lies within a specified range of values. For example a 95% confidence interval can be described as follows:

If sampling of the population is repeated indefinitely, each sample leading to a new confidence interval for an estimate, then in 95% of the samples the interval will cover the true population value.

Using the standard error of an estimate, confidence intervals for estimates may be obtained under the assumption that under repeated sampling of the population, the various estimates obtained for a population characteristic are normally distributed about the true population value. Under this assumption, the chances are about 68 out of 100 that the difference between a sample estimate and the true population value would be less than one standard error, about 95 out of 100 that the difference would be less than two standard errors, and about 99 out of 100 that the differences would be less than three standard errors. These different degrees of confidence are referred to as the confidence levels.

Confidence intervals for an estimate,  $\hat{X}$ , are generally expressed as two numbers, one below the estimate and one above the estimate, as  $(\hat{X}-k, \hat{X}+k)$  where  $k$  is determined depending upon the level of confidence desired and the sampling error of the estimate.

Confidence intervals for an estimate can be calculated directly from the Sampling Variability Tables by first determining from the appropriate table the coefficient of variation of the estimate  $\hat{X}$ , and then using the following formula to convert to a confidence interval CI:

$$CI_X = \{\hat{X} - (t)(\hat{X})(\alpha_{\hat{X}}), \hat{X} + (t)(\hat{X})(\alpha_{\hat{X}})\}$$

where  $\alpha_{\hat{X}}$  is the determined coefficient of variation of  $\hat{X}$

- t = 1 if a 68% confidence interval is desired
- t = 1.6 if a 90% confidence interval is desired
- t = 2 if a 95% confidence interval is desired
- t = 3 if a 99% confidence interval is desired



### Example

A 95% confidence interval for the estimated proportion of males 17 and over in Ontario who took short-term/part-time courses sponsored by the employer during the reference period (from example 2 above) would be calculated as follows.

$$X = 76.7\% \text{ (or expressed as a proportion = .767)}$$

$$t = 2$$

$$\alpha_{\hat{X}} = 3.8\% \text{ (.038 expressed as a proportion)}$$

$$\begin{aligned} CI_X &= \{.767 - (2) (.767) (.038), .767 + (2) (.767) (.038)\} \\ &= \{.767 - .058, .767 + .058\} \\ &= \{.709, .825\} \end{aligned}$$

With 95% confidence it can be said that between 71% and 83% of males 17 and over in Ontario took short-term/part-time courses sponsored by their employer during the reference period.



## 9. NON-SAMPLING ERROR

Errors which are not related to sampling may occur at almost every phase of a survey operation. Interviewers may misunderstand instructions, respondents may make errors in answering questions, the answers may be incorrectly entered on the questionnaire and errors may be introduced in the processing and tabulation of the data. These are all examples of non-sampling errors.

Over a large number of observations, randomly occurring errors will have little effect on estimates derived from the survey. However, errors occurring systematically will contribute to biases in the survey estimates. Quality assurance measures were implemented at each step of the data collection and processing cycle to monitor the quality of the data. These measures included the use of highly skilled interviewers, training of interviewers with respect to the AETS procedures and questionnaire, observation of interviewers to detect problems of questionnaire design or misunderstanding of instructions, procedures to ensure that data capture errors were minimized and coding and edit quality checks to verify the processing logic.

### 9.1 Total Non-response

Total non-response is a major source of non-sampling error in many surveys. In the AETS total non-response occurred because the interviewer was either unable to contact the respondent, no member of the household was able to provide the information, or the respondent refused to participate in the survey. Total non-response was handled by adjusting the weight of those who responded to compensate for those who did not respond.

### 9.2 Partial Non-response

Partial non-response in the AETS may have occurred if the respondent either refused to answer a question, did not understand a question, could not recall the requested information or could not provide proxy information. It should be noted that collecting information by proxy is more difficult as it demands the respondent have knowledge of the information being collected and the ability to recall the information. In the case of the AETS it is likely that a greater degree of partial non-response exists in proxy situations for less formalized training, and for courses of shorter duration. Overall, it is unlikely that partial non-response contributed significantly to non-sampling error in the AETS.



## 10. PUBLICATION AND RELEASE GUIDELINES

It is important for users to become familiar with the contents of this section before publishing or otherwise releasing any estimates derived from the microdata tapes of the Adult Education and Training Survey.

This section of the documentation outlines the guidelines to be adhered to by users publishing or otherwise releasing any data derived from the survey microdata tapes. With the aid of these guidelines, users of microdata 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 these established guidelines. This section consists basically of four sub-sections - the rounding guidelines, the sample weighting guidelines, the sampling variability guidelines and guidelines for statistical analysis.

### 10.1 Rounding Guidelines

In order to ensure that estimates for publication or other releases derived from these microdata tapes will correspond to those produced by Statistics Canada, users are urged to adhere to the following guidelines regarding the rounding of such estimates.

- a) Estimates in the main body of a statistical table are to be rounded to the nearest hundred units using the normal rounding technique. In normal rounding, if the first or only digit to be dropped is 0 to 4, the last digit to be retained is not changed. If the first or only digit to be dropped is 5 to 9, the last digit to be retained is raised by one. For example, in normal rounding to the nearest 100, if the last two digits are between 00 and 49, they are changed to 00 and the preceding digit (the thousands digit) is left unchanged. If the last digits are between 50 and 99 they are changed to 00 and the preceding digit is incremented by 1.
- b) Marginal sub-totals and totals in statistical tables are to be derived from their corresponding unrounded components and then are to be rounded themselves to the nearest 100 units using normal rounding.
- c) Averages, proportions, rates and percentages are to be computed from unrounded components (i.e. numerators and/or denominators) and then are to be rounded themselves to one decimal using normal rounding. In normal rounding to a single digit, if the final or only digit to be dropped is 0 to 4, the last digit to be retained is not changed. If the first or only digit to be dropped is 5 to 9, the last digit to be retained is increased by 1.
- d) Sums and differences of aggregates (or ratios) are to be derived from their corresponding unrounded components and then are to be rounded themselves to the nearest 100 units (or the nearest one decimal) using normal rounding.
- e) In instances where, due to technical or other limitations, a rounding technique other than normal rounding is used resulting in estimates to be published or otherwise released which differ from corresponding estimates published by Statistics Canada, users are urged to note the reason for such differences in the publication or release document(s).

- f) Under no circumstances are unrounded estimates to be published or otherwise released by users. Unrounded estimates imply greater precision than actually exists.

## 10.2 Sample Weighting Guidelines for Tabulation

The sample design used for the Adult Education and Training Survey was not self-weighting. When producing simple estimates, including the production of ordinary statistical tables, users must apply the sampling weights placed on the individual microdata tape records. Otherwise, the estimates derived from the microdata tapes cannot be considered to be representative of the survey population, and will not correspond to those produced by Statistics Canada.

Users should also note that some software packages, because of their treatment of the weight field, may not allow the generation of estimates that match exactly those available from Statistics Canada.

## 10.3 Sampling Variability Guidelines

Before releasing and/or publishing any estimate from these microdata tapes, users should first determine the number of respondents who contribute to the calculation of the estimate. If this number is less than 30, the weighted estimate should not be released regardless of the value of the coefficient of variation for this estimate. Once the coefficient of variation for this estimate has been determined, the user should follow the guidelines below.

Sampling Variability Guidelines for  
The Adult Education and Training Survey

Type of estimate	CV (in %)	Guidelines
1. Unqualified	0.0 - 16.5	Estimates can be considered for general unrestricted release. Requires no special notation.
2. Qualified	16.6 - 25.0	Estimates can be considered for general unrestricted release but should be accompanied by a warning cautioning subsequent users of the high sampling variability associated with the estimates. Such estimates should be identified by the letter Q (or in some other similar fashion).
3. Confidential	25.1 - 33.3	Estimates can be considered for general unrestricted release only when sampling variabilities are obtained using an exact variance calculation procedure. Unless such variances are obtained, such estimates should be deleted and replaced by dashes (---) in statistical tables.
4. Not for release	33.4 or greater	Estimates cannot be released in any form under any release OR circumstances. In statistical tables such estimates should be deleted and replaced by dashes (---)

Note: These sampling variability guidelines should be applied to rounded estimates.

#### 10.4 Guidelines for Statistical Analysis

The AETS is based upon a complex design, with stratification and multiple stages of selection, and unequal probabilities of selection of respondents. Using data from such complex surveys presents problems to analysts because the survey design and the selection probabilities affect the estimation and variance calculation procedures that should be used.

While many analysis procedures found in statistical packages allow weights to be used, the meaning or definition of the weight in these procedures differ from that which is appropriate in a sample survey framework, with the result that while in many cases the estimates produced by the packages are correct, the variances that are calculated are almost meaningless.

For many analysis techniques (for example linear regression, logistic regression, analysis of variance), a method exists which can make the application of standard packages more meaningful. If the weights on the records are rescaled so that the average weight is one (1), then the results produced by the standard packages will be more reasonable. They still will not take into account the stratification and clustering of the sample's design, but they will take into account the unequal probabilities of selection. The rescaling can be accomplished by dividing each weight by the overall average weight before the analysis is conducted.



## **APPENDIX A**

### **Questionnaires**

- 1. LFS questionnaires and code sheets**
- 2. AETS questionnaire**





HOUSEHOLD RECORD DOCKET

CONFIDENTIAL when completed

2 Docket no., 3 Survey date, 4 Assignment no., 5 Designated interviewer no., 6 P.S.U., 7 Listing, 8 Type of dwelling

9 Record time of every call on this household. Table with columns for days of the week (Mon-Sat) and rows for call numbers 1-6.

10 Listing address, 11 INTERVIEWER CHECK ITEM: Is this the first interview at this dwelling or a new household since last interview? 12 IS (read listing address in item 10) YOUR CORRECT MAILING ADDRESS?

13 WOULD YOU PREFER TO BE INTERVIEWED IN ENGLISH OR IN FRENCH? 14 INTERVIEWER CHECK ITEM: Language of interview: English, French, Other, Neither

20 If Personal Interview, Are you still living in the same dwelling as last month? where possible, state listing address

15 WHAT ARE THE NAMES OF ALL PERSONS NOW LIVING OR STAYING HERE WHO HAVE NO USUAL PLACE OF RESIDENCE ELSEWHERE? Enter names in 32.

21 DO THE FOLLOWING PERSONS STILL LIVE OR STAY AT THIS DWELLING? Read all names in 32. Enter appropriate code in 40.

16 ARE THERE ANY PERSONS AWAY FROM THIS HOUSEHOLD ATTENDING SCHOOL, VISITING, TRAVELLING OR IN HOSPITAL WHO USUALLY LIVE HERE? Yes, No

22 DOES ANYONE ELSE LIVE AT THIS DWELLING SUCH AS OTHER RELATIVES, ROOMERS, BOARDERS OR EMPLOYEES? Yes, No

Table with columns: 31 HRD Pg, 32 Ln, Names of household members (Given name, Surname), 33 Age, 34 Sex, 35 Marital status, 36 Family role, 37 Religion, 38 Education, 40 Membership, 50 Answers to supplementary questions (L, A, B, C, D, E, F, G, H, I, J, K, L, M)

42 IS THIS DWELLING OWNED BY A MEMBER OF THIS HOUSEHOLD? Yes, No

COMPLETE AT END OF INTERVIEW

43 FOR ALL HOUSEHOLDS Telephone no., Permission to interview by phone: Granted, Denied

44 Determine and record the best time to call on this household.

45 RESPONSE CODE Month, Code

46 Was this interview conducted by telephone? Yes, No

47 Forms Control Form, Printed, Completed

48 NOTES Ln, Item no.



**CODE SHEET**

Household Record Docket (Form 03)

Exemplaire français disponible sur demande

- 8**
- 1 Single Detached
  - 2 Double
  - 3 Row or Terrace
  - 4 Duplex
  - 5 Apartment, Flat
  - 6 Institution
  - 7 Hotel, Rooming or Lodging House
  - 8 Camp - Logging, Construction, etc.
  - 9 Mobile Home
  - 0 **Other** - Specify in NOTES

- 34**
- M Male
  - F Female

- 35**
- WHAT IS . . . . MARITAL STATUS?**  
(Read categories to respondent)
- 1 Now married or living common-law
  - 2 Single (never married)
  - 3 Widow or widower
  - 4 Separated or divorced

**36**

Assign one letter to all household members related to the head of a family by one of the relationships listed in Item 37.  
("A" for each member of the first family, "B" for each member of the second family, etc.)

- 37**
- Each different letter used in Item 36 requires a different 'Head of Family' in Item 37.
- 1 Head of Family
  - 2 Spouse
  - 3 Son or daughter (natural, adopted or step)
  - 4 Grandchild
  - 5 Son-in-law or daughter-in-law
  - 6 Foster child (less than 18)
  - 7 Parent
  - 8 Parent-in-law
  - 9 Brother or sister
  - 0 **Other relative** - Specify in NOTES
- Unrelated roomers, boarders and friends require a separate family identifier in Item 36.

- 40**
- 0 Not a household member this month
  - 1 Civilian household member this month
  - 2 Full-time member of Canadian Armed Forces this month
  - 3 Household member 70 years of age and over (non-birth interview only)

**FIRST CODE: Entered by interviewer**

NOTE: for any code other than X, explain situation on appropriate form(s) **FORMS**

- X LFS questionnaire completed for all eligible household members **22**
- E LFS questionnaire completed for some (not all) eligible household members **15/22**
- N No one at home (after several calls) **15/22**
- R Household refusal **15/22**
- K Interview prevented by death, sickness, language problem or other unusual circumstances related to the household **15/22**
- L Interview prevented by weather conditions **15/22**
- T Household temporarily absent **15/22**
- V Vacant dwelling (or trailer stall and vacant seasonal dwelling) **22**
- C Dwelling under construction **22**
- B Dwelling occupied by persons not to be interviewed **15/22**
- D Dwelling demolished, converted to business premises, moved, abandoned (unfit for habitation), listed in error **12/22**
- A Interview cancelled for lack of an interviewer (Regional Office use only)

**SECOND CODE: Regional Office use only**

- Blank Interview or attempt to interview again
- 3 Do not interview unless there is a complete change in household membership
- 4 Attempt to interview again, a letter was sent
- 5 Attempt to interview again, personal contact made by Regional Office staff

- 38**
- Column 1: WHAT IS THE HIGHEST GRADE OF ELEMENTARY OR HIGH SCHOOL (SECONDARY SCHOOL) . . . . EVER COMPLETED?**
- 0 Grade 8 or lower *Quebec: Secondary II or lower*
  - 1 Grade 9 - 10 *Quebec: Secondary III or IV  
Newfoundland: 1st year of secondary*
  - Grade 11 - 13 *Quebec: Secondary V  
Newfoundland: 2nd to 4th year of secondary*
- ↓
- DID . . . . GRADUATE FROM HIGH SCHOOL (SECONDARY SCHOOL)?**
- 2 No
  - 3 Yes

- Column 2: HAS . . . . RECEIVED ANY OTHER EDUCATION?**
- 0 No  
Yes →
- COULD THIS EDUCATION BE COUNTED TOWARDS A DEGREE, CERTIFICATE OR DIPLOMA FROM AN EDUCATIONAL INSTITUTION?**
- 0 No  
Yes →
- WHAT IS THE HIGHEST DEGREE, CERTIFICATE OR DIPLOMA . . . HAS OBTAINED?**
- 1 No postsecondary degree, certificate or diploma
  - 2 Trades certificate or diploma from a vocational school or apprenticeship training
  - 3 Non-university certificate or diploma from a community college, CEGEP, school of nursing, etc.
  - 4 University certificate below bachelor's level
  - 5 Bachelor's degree
  - 6 University degree or certificate above bachelor's level

**USING TEMPORARY DOCKET NUMBERS**

T			A
---	--	--	---

Always start with "T" for Temporary      Use the last 4 digits of your Assign. No.      "A" for the first additional dwelling, "B" for the second, "C" for the third, etc.

Docket No 2, Survey date 3, Assignment No 4, Surname 1, FORM NO 05

10 LAST WEEK, DID ... WORK AT A JOB OR BUSINESS? (Regardless of the number of hours.)

30 LAST WEEK, DID ... HAVE A JOB OR BUSINESS AT WHICH HE/SHE DID NOT WORK?

50 HAS ... EVER WORKED AT A JOB OR BUSINESS?

11 DID ... HAVE MORE THAN ONE JOB OR BUSINESS LAST WEEK?

31 LAST WEEK, DID ... HAVE A JOB TO START AT A DEFINITE DATE IN THE FUTURE?

51 WHEN DID ... LAST WORK AT A JOB OR BUSINESS?

12 WAS THIS A RESULT OF CHANGING EMPLOYERS LAST WEEK?

32 COUNTING FROM THE END OF LAST WEEK, IN HOW MANY WEEKS WILL ... START TO WORK AT HIS/ HER NEW JOB?

52 INTERVIEWER CHECK ITEM

13 HOW MANY HOURS PER WEEK DOES ... USUALLY WORK AT HIS/HER:

33 WHY WAS ... ABSENT FROM WORK LAST WEEK?

53 DID ... USUALLY WORK 30 OR MORE HOURS PER WEEK?

14 WHAT IS THE REASON ... USUALLY WORKS LESS THAN 30 HOURS PER WEEK?

34 DID ... HAVE MORE THAN ONE JOB OR BUSINESS LAST WEEK?

54 WHAT WAS THE MAIN REASON WHY ... LEFT THAT JOB?

15 LAST WEEK, HOW MANY HOURS OF OVERTIME OR EXTRA HOURS DID ... WORK?

35 HOW MANY HOURS PER WEEK DOES ... USUALLY WORK AT HIS/HER:

55 INTERVIEWER CHECK ITEM

16 LAST WEEK, HOW MANY HOURS WAS ... AWAY FROM WORK FOR ANY REASON?

36 WHAT IS THE REASON ... USUALLY WORKS LESS THAN 30 HOURS PER WEEK?

56 IN THE PAST 6 MONTHS, HAS ... LOOKED FOR WORK?

17 WHAT WAS THE MAIN REASON FOR BEING AWAY FROM WORK?

37 UP TO THE END OF LAST WEEK, HOW MANY WEEKS HAS ... BEEN CONTINUOUSLY ABSENT FROM WORK?

57 IN THE PAST 4 WEEKS, WHAT HAS ... DONE TO FIND WORK?

18 HOW MANY HOURS DID ... ACTUALLY WORK LAST WEEK AT HIS/HER:

38 IS ... GETTING ANY WAGES OR SALARY FROM HIS/HER EMPLOYER FOR ANY TIME OFF LAST WEEK?

57 (continued) WHEN DID ... LAST?

19 IN THE PAST 4 WEEKS, HAS ... LOOKED FOR ANOTHER JOB?

39 INTERVIEWER CHECK ITEM

57 (continued) Method used

40 IN THE PAST 4 WEEKS, HAS ... LOOKED FOR ANOTHER JOB?

DESCRIPTION OF MAIN JOB OR BUSINESS

72 FOR WHOM DID ... WORK? (Name of business, government dept. or agency, or person)

73 WHEN DID ... START WORKING FOR THIS EMPLOYER?

74 WHAT KIND OF BUSINESS, INDUSTRY OR SERVICE WAS THIS? (Give full description: e.g., federal government, canning industry, forestry services.)

75A WHAT KIND OF WORK WAS ... DOING? (Give full description: e.g., office clerk, factory worker, forestry technician.)

75B IN THIS WORK, WHAT WERE ... MOST IMPORTANT ACTIVITIES OR DUTIES? (Give full description: e.g., filing documents, drying vegetables, forest examiner.)

76 Class of worker

77 NOTES

80 LAST WEEK, WAS ... ATTENDING A SCHOOL, COLLEGE OR UNIVERSITY?

81 WAS ... ENROLLED AS A FULL-TIME OR A PART-TIME STUDENT?

82 WHAT KIND OF SCHOOL WAS THIS?

90 HFD page-line No. of person providing the above information.



CODE SHEET

Labour Force Survey Questionnaire (Form 05)

Exemplaire français  
disponible sur  
demande

14  
36

- 1 Own illness or disability
- 2 Personal or family responsibilities
- 3 Going to school
- 4 Could only find part-time work
- 5 Did not want full-time work
- 6 Full-time work under 30 hours per week
- 0 Other – Specify in NOTES

59

- 1 Working
- 2 Keeping house
- 3 Going to school
- 0 Other – DO NOT specify in NOTES

17

- 1 Own illness or disability
- 2 Personal or family responsibilities
- 3 Weather
- 4 Labour dispute (strike or lockout)
- 5 Layoff, expects to return (**Paid Workers Only**)
- 6 New job started during week, or job terminated (does not expect to return)
- 7 Vacation
- 8 Holiday (legal or religious)
- 9 Working short-time (because of material shortages, plant maintenance or repair, etc.)
- 0 Other – Specify in NOTES

62

- 1 Own illness or disability
- 2 Personal or family responsibilities
- 3 Going to school
- 4 No longer interested in finding work
- 5 Waiting for recall (to former job)
- 6 Has found new job
- 7 Waiting for replies from employers
- 8 Believes no work available (in area, or suited to skills)
- 9 No reason given
- 0 Other – Specify in NOTES

33

- 1 Own illness or disability
- 2 Personal or family responsibilities (Include maternity leave)
- 3 Weather
- 4 Labour dispute (strike or lockout)
- 5 Temporary layoff, expects to return (**Paid Workers Only**)
- 6 New job to start in the future
- 7 Vacation
- 8 Seasonal Business (**Excl. Paid Workers**)
- 0 Other – Specify in NOTES

63

Yes, because of:

- 1 Own illness or disability
- 2 Personal or family responsibilities
- 3 Going to school
- 4 Already has a job
- 0 Other – Specify in NOTES
- 5 No (Was available for work)

54

- 1 Own illness or disability
- 2 Personal or family responsibilities  
*Include: Marriage, pregnancy, trip, vacation, family illness, etc.*
- 3 Going to school
- 4 Quit job for no specific reason
- 5 Lost job or laid off job (**Paid Workers Only**)  
*Include: Seasonal job, on-call arrangement, temporary job, dismissal (fired), company moved or went out of business, economic conditions, etc.*
- 6 Changed residence
- 7 Dissatisfied with job  
*Include: Low pay, poor hours, transportation problems, working conditions, conflict with employer or co-workers, no opportunity for advancement, etc.*
- 8 Retired
- 0 Other – Specify in NOTES

76

**“IN . . .’S JOB, WAS HE/SHE A PAID WORKER, SELF-EMPLOYED OR AN UNPAID FAMILY WORKER?”**

**“IN . . .’S OTHER JOB, WAS HE/SHE A PAID WORKER, SELF-EMPLOYED OR AN UNPAID FAMILY WORKER?”**

**Worked for Others**

- 1 Paid Worker
- 2 Unpaid family worker

**Self-employed**

- 3 Incorporated business – With paid help
- 4 Incorporated business – No paid help
- 5 Not incorporated business – With paid help
- 6 Not incorporated business (*Include self-employed without a business*) – No paid help

82

- 1 Primary or secondary school
- 2 Community college, junior college, or CEGEP
- 3 University
- 0 Other – Specify in NOTES







C. APPRENTICESHIP.	D. EMPLOYER-RELATED FULL-TIME TRAINING OR EDUCATION.
<p>28. At any time during the <u>past</u> 12 months was ... registered in a full-time apprenticeship training program which lasted one month or more?</p> <p>Yes <input type="radio"/> 1                      No <input type="radio"/> 2    Go to 34</p>	<p>35. The following questions refer to employer-related full-time training or education.</p> <p>Excluding apprenticeship training, at any time during the <u>past</u> 12 months, did ... take a full-time course or program organized or provided by his/her employer which lasted one month or more?</p> <p>Yes <input type="radio"/> 3                      No <input type="radio"/> 4    Go to 46a</p>
<p>29. The following questions refer to the <u>last</u> full-time apprenticeship program in which ... was enrolled.</p> <p>What was the title or name of this last apprenticeship program?</p> <p>_____</p> <p>_____</p>	<p>36. The following questions refer to the <u>last</u> full-time course or program that ... took during the past 12 months, which was organized or provided by his/her employer.</p> <p>What was the title or name of this last course or program?</p> <p>_____</p> <p>_____</p>
<p>30. When ... was enrolled in this apprenticeship program, about how many persons were employed at the location where ... worked? Was it ..</p> <p>Less than 20? ..... <input type="radio"/> 3</p> <p>20 to 99? ..... <input type="radio"/> 4</p> <p>100 to 499? ..... <input type="radio"/> 5</p> <p>500 and over? ..... <input type="radio"/> 6</p> <p>Don't know ..... <input type="radio"/> 7 }    Go to 33</p>	<p>37. Was this course or program taken at ..</p> <p>A university? ..... <input type="radio"/> 1</p> <p>A college (community college, CEGEP, technical institute)? ..... <input type="radio"/> 2</p> <p>A vocational or trade school? ..... <input type="radio"/> 3</p> <p>A private or commercial school? ... <input type="radio"/> 4</p> <p>Work? ..... <input type="radio"/> 5</p> <p>Other (specify) ..... <input type="radio"/> 6</p> <p>_____</p> <p>Don't know ..... <input type="radio"/> 7</p>
<p>31. Did ...'s employer operate at more than one location in Canada?</p> <p>Yes <input type="radio"/> 1                      No <input type="radio"/> 2    Go to 33</p>	<p>38. Usually, how many hours of instruction were there each week for this course or program?</p> <p><input type="text"/> hours</p>
<p>32. In total, about how many persons were employed at all locations in Canada? Was it ..</p> <p>Less than 20? ..... <input type="radio"/> 3</p> <p>20 to 99? ..... <input type="radio"/> 4</p> <p>100 to 499? ..... <input type="radio"/> 5</p> <p>500 and over? ..... <input type="radio"/> 6</p> <p>Don't know ..... <input type="radio"/> 7</p>	<p>39. How many weeks did this course or program last?</p> <p><input type="text"/> weeks</p>
<p>33. When ... started this apprenticeship program, for how long had he/she been working for this employer? (Enter 00 if less than one year)</p> <p><input type="text"/> years</p>	<p>40. Is ... still taking this course or program?</p> <p>Yes <input type="radio"/> 1    Go to 42                      No <input type="radio"/> 2</p>
<p>34. <u>INTERVIEWER CHECK ITEM:</u></p> <p>If Q22 or Q24 marked "employer" ..... <input type="radio"/> 1    Go to 46a</p> <p>Otherwise ..... <input type="radio"/> 2    Go to 35</p>	<p>41. Did ... successfully complete this course or program?</p> <p>Yes <input type="radio"/> 3                      No <input type="radio"/> 4</p>

<p>42. When ... was enrolled in this course or program, about how many persons were employed at the location where ... worked? Was it ..</p> <p>Less than 20? ..... <input type="radio"/> 5</p> <p>20 to 99? ..... <input type="radio"/> 6</p> <p>100 to 499? ..... <input type="radio"/> 7</p> <p>500 or over? ..... <input type="radio"/> 8</p> <p>Don't know ..... <input type="radio"/> 9</p> <p style="text-align: right;">} Go to 45</p>	<p>48. The following questions refer to the <u>last</u> of these short-term or part-time training or educational courses that ... took during the past 12 months.</p> <p>What was the title or name of this last course?</p> <p>_____</p> <p>_____</p>
<p>43. Did ...'s employer operate at more than one location in Canada?</p> <p>Yes <input type="radio"/> 1                      No <input type="radio"/> 2    Go to 45</p>	<p>49. Usually, how many hours of instruction were there each week for this course?</p> <p><input type="text"/> <input type="text"/> hours</p>
<p>44. In total, about how many persons were employed at all locations in Canada? Was it ..</p> <p>Less than 20? ..... <input type="radio"/> 3</p> <p>20 to 99? ..... <input type="radio"/> 4</p> <p>100 to 499? ..... <input type="radio"/> 5</p> <p>500 or over? ..... <input type="radio"/> 6</p> <p>Don't know ..... <input type="radio"/> 7</p>	<p>50. How many weeks did this course last?</p> <p><input type="text"/> <input type="text"/> weeks</p>
<p>45. When ... took this full-time course or program, for how long had he/she been working for this employer? (Enter 00 if less than one year)</p> <p><input type="text"/> <input type="text"/> years</p>	<p>51. Was ... employed while taking this course?</p> <p>Yes <input type="radio"/> 1                      No <input type="radio"/> 2    Go to 56</p>
<p><b>E. SHORT-TERM/PART-TIME COURSES.</b></p>	<p>52. When ... was enrolled in this course, about how many persons were employed at the location where ... worked? Was it ..</p> <p>Less than 20? ..... <input type="radio"/> 3</p> <p>20 to 99? ..... <input type="radio"/> 4</p> <p>100 to 499? ..... <input type="radio"/> 5</p> <p>500 or over? ..... <input type="radio"/> 6</p> <p>Don't know ..... <input type="radio"/> 7</p> <p style="text-align: right;">} Go to 55</p>
<p>46a. The following questions refer to <u>short-term</u> or <u>part-time</u> training or education, which may be taken at work, at a school or at any other organization.</p> <p>At any time during the past 12 months, did ... take any courses full-time which lasted <u>less</u> than one month?</p> <p>Yes <input type="radio"/> 1    How many? <input type="text"/> <input type="text"/></p> <p>No <input type="radio"/> 2</p> <div style="border: 1px solid black; padding: 5px; margin-left: 20px;"> <p>46b. At any time during the past 12 months did ... take any courses part-time?</p> <p>Yes <input type="radio"/> 3    How many? <input type="text"/> <input type="text"/></p> <p>No <input type="radio"/> 4</p> <p style="text-align: right;">} Go to 48</p> </div>	<p>53. Did ...'s employer operate at more than one location in Canada?</p> <p>Yes <input type="radio"/> 1                      No <input type="radio"/> 2    Go to 55</p>
<p>47. At any time during the past 12 months, did ... take any courses part-time?</p> <p>Yes <input type="radio"/> 5    How many? <input type="text"/> <input type="text"/></p> <p>No <input type="radio"/> 6    Go to 62</p>	<p>54. In total, about how many persons were employed at all locations in Canada? Was it ..</p> <p>Less than 20? ..... <input type="radio"/> 3</p> <p>20 to 99? ..... <input type="radio"/> 4</p> <p>100 to 499? ..... <input type="radio"/> 5</p> <p>500 or over? ..... <input type="radio"/> 6</p> <p>Don't know ..... <input type="radio"/> 7</p>

55. When ... took this course, for how long had he/she been working for this employer?  
 (Enter 00 if less than one year)  
  years

56. Who paid the fee or tuition for this course?  
 Was it ..  
 (Mark all that apply)
- An employer? ..... 1
  - Self or family? ..... 2
  - A union or professional organization? ..... 3
  - A voluntary organization? ..... 4
  - A government? ..... 5
  - Or some other person or organization? (specify) ..... 6
  - 
  - 
  - No fee ..... 7
  - Don't know ..... 8

57. Excluding fees or tuition, did ... receive any type of financial assistance such as paid time off, grants or bursaries, payment for course materials, transportation, allowance, etc.?  
 Yes 1  No 2  Go to 59

58. Who provided this assistance?  
 (Mark all that apply)
- Employer ..... 3
  - Family ..... 4
  - Union or professional organization ..... 5
  - Voluntary organization ..... 6
  - Government ..... 7
  - Other (specify) ..... 8
  - 
  - 
  - Don't know ..... 9

59. Was this course taken at ..
- A university? ..... 1
  - A college (community college, CEGEP, technical institute)? ..... 2
  - A vocational or trade school? ..... 3
  - A private or commercial school? ..... 4
  - Work? ..... 5
  - Other (specify) ..... 6
  - 
  - 
  - Don't know ..... 7

60. Which of the following was the most important reason why ... took this course? Was it ..  
 (Mark one only)
- To improve job opportunities or for career development? ..... 1
  - For personal interest? ..... 2
  - To increase earnings? ..... 3
  - To improve job related skills? ..... 4

61. During the 6 months prior to starting this course, was ... mainly ..
- Without a job but actively looking for work? ..... 5
  - Employed full-time (more than 30 hours/week)? ..... 6
  - Employed part-time? ..... 7
  - Without a job and not looking for work? ..... 8
  - A student? ..... 9

62. INTERVIEWER CHECK ITEM:  
 If at least one of Q17, Q30, Q40 or Q51 has already been answered ..... 1  Go to 69  
 Otherwise ..... 2  Go to 63

**F. EMPLOYER INFORMATION ON NON-TRAINEES.**

63. During the past 12 months did ... do any work at all at a job or business?  
 Yes 3  No 4  Go to 68

64. Was ...'s work entirely full-time, entirely part-time or some of each? By full-time I mean 30 hours or more per week.
- Entirely full-time ..... 5
  - Entirely part-time ..... 6
  - Some full-time and some part-time ..... 7

<p>65. About how many persons were employed at the location where ... worked during the past 12 months? Was it .. (If more than one employer, refer to one of longest duration)</p> <p>Less than 20? ..... 1 <input type="radio"/></p> <p>20 to 99? ..... 2 <input type="radio"/></p> <p>100 to 499? ..... 3 <input type="radio"/></p> <p>500 or over? ..... 4 <input type="radio"/></p> <p>Don't know ..... 5 <input type="radio"/></p> <p style="text-align: right;">} Go to 68</p>	<p>70. What were the reasons ... did not take this training or education? (Mark all that apply)</p> <p>Not aware of existing programs ..... 01 <input type="radio"/></p> <p>Training programs not available ..... 02 <input type="radio"/></p> <p>Available programs not suitable for ...'s needs ..... 03 <input type="radio"/></p> <p>Too old/too late now ..... 04 <input type="radio"/></p> <p>Not interested/lack of motivation ..... 05 <input type="radio"/></p> <p>Too busy ..... 06 <input type="radio"/></p> <p>Too expensive/have no money ..... 07 <input type="radio"/></p> <p>Too embarrassed ..... 08 <input type="radio"/></p> <p>Health reasons ..... 09 <input type="radio"/></p> <p>Family responsibilities ..... 10 <input type="radio"/></p> <p>Other (too tired, on vacation, needed a break, etc.) (specify) ..... 11 <input type="radio"/></p> <p>_____</p> <p>Don't know ..... 12 <input type="radio"/></p>
<p>66. Did ...'s employer operate at more than one location in Canada?</p> <p>Yes 6 <input type="radio"/> No 7 <input type="radio"/> Go to 68</p>	<p>71. Was there any other training or education that ... would have <u>wanted</u> to take for employment or any other reasons but did not?</p> <p>Yes ..... 1 <input type="radio"/></p> <p>No ..... 2 <input type="radio"/></p> <p>Don't know ..... 3 <input type="radio"/></p> <p style="text-align: right;">} Go to 73</p>
<p>67. In total, about how many persons were employed at all locations in Canada? Was it ..</p> <p>Less than 20? ..... 1 <input type="radio"/></p> <p>20 to 99? ..... 2 <input type="radio"/></p> <p>100 to 499? ..... 3 <input type="radio"/></p> <p>500 or over? ..... 4 <input type="radio"/></p> <p>Don't know ..... 5 <input type="radio"/></p>	<p>72. What were the reasons ... did not take this training or education? (Mark all that apply)</p> <p>Not aware of existing programs ..... 01 <input type="radio"/></p> <p>Training programs not available ..... 02 <input type="radio"/></p> <p>Available programs not suitable for ...'s needs ..... 03 <input type="radio"/></p> <p>Too old/too late now ..... 04 <input type="radio"/></p> <p>Don't need it in job/knows enough ..... 05 <input type="radio"/></p> <p>Too busy ..... 06 <input type="radio"/></p> <p>Too expensive/have no money ..... 07 <input type="radio"/></p> <p>Too embarrassed ..... 08 <input type="radio"/></p> <p>Health reasons ..... 09 <input type="radio"/></p> <p>Family responsibilities ..... 10 <input type="radio"/></p> <p>Other (too tired, on vacation, needed a break, etc.) (specify) ..... 11 <input type="radio"/></p> <p>_____</p> <p>Don't know ..... 12 <input type="radio"/></p>
<p>68. During the 6 months from January to June 1990, was ... <u>mainly</u> ..</p> <p>Without a job but actively looking for work? ... 1 <input type="radio"/></p> <p>Without a job and not looking for work? ..... 2 <input type="radio"/></p> <p>Employed full-time (more than 30 hours/week)? ... 3 <input type="radio"/></p> <p>Employed part-time? ..... 4 <input type="radio"/></p> <p>A student? ..... 5 <input type="radio"/></p>	<p>73. <b>INFORMATION SOURCE:</b> HRD page-line of person providing the above information.</p> <p><input type="checkbox"/> <input type="checkbox"/></p>
<p><b>G. BARRIERS TO TRAINING.</b></p>	
<p>69. Was there any training or education that ... was <u>supposed</u> to take for employment-related reasons but did not?</p> <p>Yes ..... 6 <input type="radio"/></p> <p>No ..... 7 <input type="radio"/></p> <p>Don't know ..... 8 <input type="radio"/></p> <p style="text-align: right;">} Go to 71</p>	

**APPENDIX B**

**Weighting Procedures for the  
Adult Education and Training Survey**



## APPENDIX B

### Weighting Procedures for the Adult Education and Training Survey

Since the AETS used a subsample of the LFS sample, the derivation of weights for the survey records is clearly tied to the weighting procedure used for the LFS. The LFS weighting procedure is briefly described below.

#### B.1 LFS Weighting

In the LFS, the final weight attached to each record is the product of the following factors: the basic weight, the cluster sub-weight, the balancing factor for non-response, the rural-urban factor and the province-age-sex ratio adjustment factor. Each is described below.

#### B.2 Basic Weight

In a probability sample, the sample design itself determines weights which must be used to produce unbiased estimates of the population. Each record must be weighted by the inverse of the probability of selecting the person to whom the record refers. In the example of a 2% simple random sample, this probability would be .02 for each person and the records must be weighted by  $1/.02=50$ . Because all eligible individuals in a dwelling are interviewed (directly or by proxy), this probability is essentially the same as the probability with which the dwelling is selected.

#### B.3 Cluster Sub-weight

The cluster delineation is such that the number of dwellings in the sample increases very slightly with moderate growth in the housing stock. Substantial growth can be tolerated in an isolated cluster before the additional sample represents a field collection problem. However, if growth takes place in more than one cluster in an interviewer assignment, the cumulative effect of all increases may create a workload problem. In clusters where substantial growth has taken place, sub-sampling is used as a means of keeping interviewer assignments manageable. The cluster sub-weight represents the inverse of this sub-sampling ratio in clusters where sub-sampling has occurred.

#### B.4 Non-response

Notwithstanding the strict controls of the LFS, some non-response is inevitable, despite all the attempts made by the interviewers. The LFS non-response rate is approximately 5%. For certain types of non-response (household temporarily absent, refusal), data from a previous month's interview with the household if any, is brought forward and used as the current month's data for the household.

In other cases, non-response is compensated for by proportionally increasing the weights of responding households. The weight of each responding record is increased by the ratio of the number of households that should have been interviewed, divided by the number that were actually interviewed. This adjustment is done separately for geographic areas called balancing units. It is based on the assumption that the households that have been interviewed represent the characteristics of those that should have been interviewed. To the extent that this assumption is not true, the estimates will be somewhat biased.

#### B.5 Rural-urban Factor

In NSRUs without sufficient rural and urban population for explicit urban and rural strata to be formed, each primary sampling unit (PSU) is composed of both urban and rural parts. Information concerning the total population in rural and urban areas is available from the 1981 Census for each PSU as well as for each economic region (ER) in which explicit urban/rural stratification is not done. Comparison by ER with the actual 1981 rural or urban census counts indicates whether the selected PSUs over- or under-represent the respective areas. The ratio of actual rural-urban counts is divided by the corresponding estimates. These two factors are computed for each relevant ER at the time of selection of the PSUs and are entered on each sample record according to the appropriate area (rural or urban) of the NSRU. Changes in these factors are incorporated at the time of PSU rotations.

#### B.6 Subprovincial and Province-Age-Sex Adjustments

By applying the previously described four weighting factors, a valid estimate can be derived for any characteristic for which information is collected by the LFS. In particular, estimates are produced of the total number of persons 15+ in provincial economic regions and the 24 large metropolitan areas as well as of designated age-sex groups in each of the ten provinces.

Independent estimates are available monthly for each of these classes from projections based upon the 1981 Census counts. By using an interactive 'raking ratio' adjustment procedure, the weights derived to this point are adjusted by a multiplying factor to correspond to the independent estimate for the various classes. This factor is the ratio of the independent estimate to the survey estimate based upon the first four weighting factors. The effect of this final adjustment is to ensure that basic provincial and total population counts for economic regions, and age/sex distribution data published from the LFS correspond to other Statistics Canada data sources, as well as to increase the precision of all estimates derived from the LFS.



## B.7 Weighting for the Adult Education and Training Survey

The principals behind the calculation of the weights for the AETS are identical to those for the LFS. However, four adjustments are made to the LFS weights in order to derive a final weight for the individual records on the AETS microdata file.

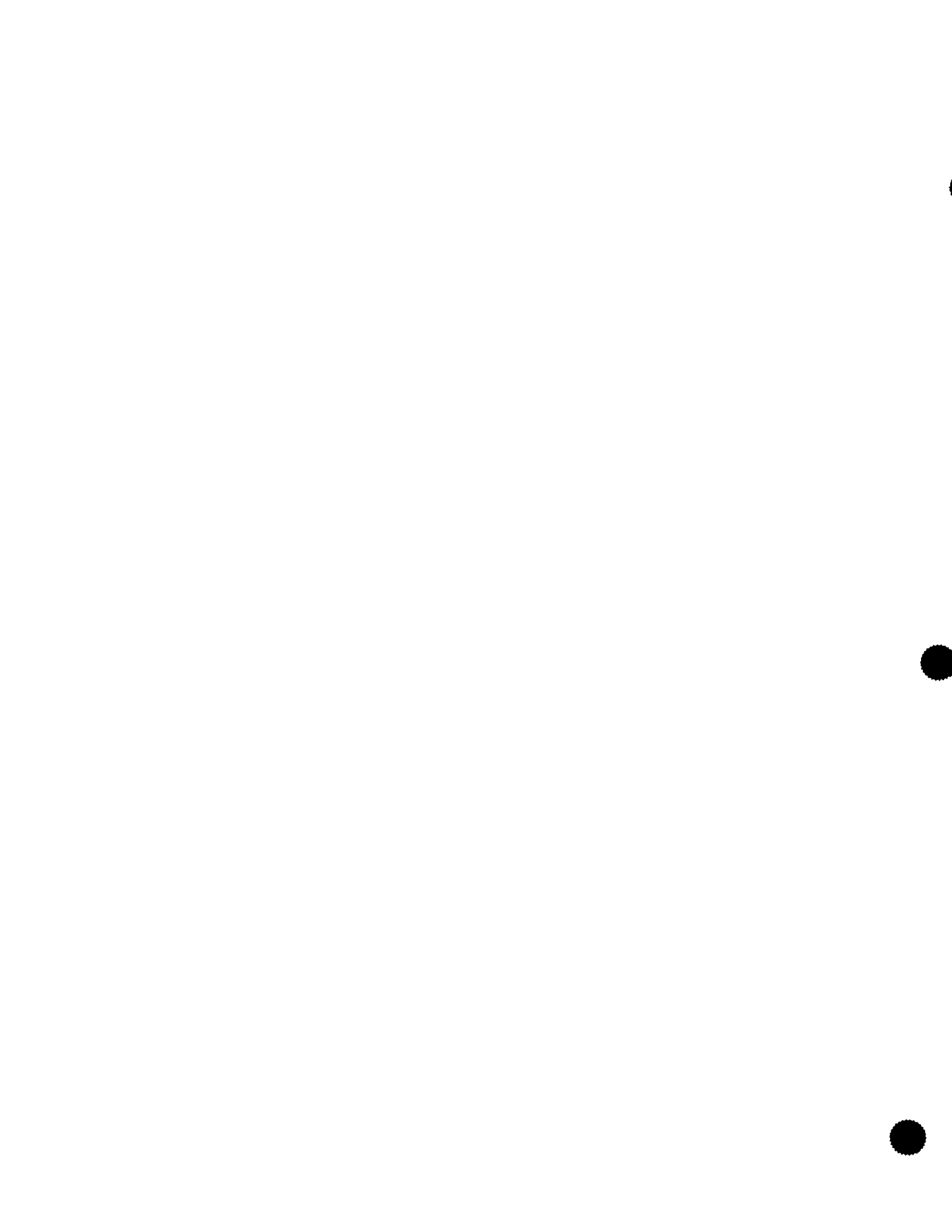
- (1) An adjustment to account for the use of a five-sixth sub-sample, instead of the full LFS sample.
- (2) An adjustment to account for the additional non-response to the AETS i.e., non-response to the AETS for individuals which do respond to the LFS or for which previous month's LFS data is brought forward.
- (3) A readjustment to account for independent province-age-sex projections, after the above adjustments are made.
- (4) A readjustment to account for independent economic region - census metropolitan area projections, after the above adjustments are made.

Adjustments (1) and (2) are taken into account by multiplying the LFS sub-weight (i.e., the weight resulting from the first four LFS weighting factors) for each responding AETS record by:

sum of LFS subweights of households considered responding to LFS

---

sum of LFS subweights of households considered responding to AETS



**APPENDIX C**

**AETS Record Layout**



## AETS (NOV. 1990) - MICRODATA FILE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS	PAGE
1	RECNUMBR	6	0001-0006	RECORD NUMBER NOTE: FOR THIS RECORD LAYOUT, THE FOLLOWING SHOULD BE NOTED, 'F03' IS THE LFS FORM 03 (HOUSEHOLD RECORD DOCKET) 'F05' IS THE LFS FORM 05 (LABOUR FORCE SURVEY QUESTIONNAIRE) WHERE NO "F", REFERS TO THE SUPPLEMENTARY FORM 06 (ADULT EDUCATION AND TRAINING SURVEY)	1
2	DATE	4	0007-0010	SURVEY DATE (1190)	
3	PROVINCE	2	0011-0012	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	F03Q34	1	0013	F03 Q34 - SEX 1 MALE 2 FEMALE	
5	F03Q35	1	0014	F03 Q35 - MARITAL STATUS 1 MARRIED 2 SINGLE 3 OTHER	
6	F03Q36	1	0015	F03 Q36 - 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	F03Q33	1	0016	F03 Q33 - AGE GROUP 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 NOTE: AGE GROUPS DERIVED FROM AGE AS REPORTED ON FORM 03 QUESTION 33	
8	F03Q38	1	0017	F03 Q38 - EDUCATION 1 0:8 2 SOME SECONDARY EDUCATION 3 GRADUATED FROM HIGH SCHOOL 4 SOME POST-SECONDARY 5 POST SECONDARY CERTIFICATE OR DIPLOMA 6 UNIVERSITY DEGREE	
9	LFSACTIV	1	0018	ACTIVITY OF RESPONDENT IN LFS REFERENCE WEEK 1 AT WORK 2 NOT AT WORK, HAS A JOB 3 NOT AT WORK, NO JOB 4 PERMANENTLY UNABLE TO WORK NOTE: BASED ON RESPONSES FROM LFS FORM 05	

## AETS (NOV. 1990) - MICRODATA FILE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS	PAGE
10	F05Q11	1	0019	F05 Q11 - MULTIPLE JOB HOLDER BLANK 1 YES 2 NO	2
11	F05Q13	2	0020-0021	F05 Q13 - TOTAL USUAL WEEKLY HOURS WORKED 00:65 NOTE: IF LESS THAN 30 HOURS PER WEEK, THIS IS CONSIDERED AS PART-TIME AND Q14 IS TO BE ANSWERED	
12	F05Q14	1	0022	F05 Q14 - 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	F05Q15	2	0023-0024	F05 Q15 - NUMBER OF EXTRA HOURS WORKED LAST WEEK BLANK 00:30	
14	F05Q16	2	0025-0026	F05 Q16 - NUMBER OF HOURS LOST LAST WEEK BLANK 00:41 NOTE: IF ANY HOURS LOST, Q17 IS TO BE ANSWERED	
15	F05Q17	1	0027	F05 Q17 - REASONS FOR HOURS LOST 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	F05Q32	2	0028-0029	F05 Q32 - NUMBER OF WEEKS UNTIL NEW JOB STARTS BLANK 00:13 NOTE: THIS IS FOR RESPONDENTS WHO INDICATED THAT THEY DID NOT WORK DURING THE REFERENCE WEEK BUT HAD A JOB TO START IN THE FUTURE	
17	F05Q18	2	0030-0031	F05 Q18 - TOTAL ACTUAL HOURS WORKED LAST WEEK BLANK 00:65	
18	F05Q38	1	0032	F05 Q38 - ARE YOU GETTING ANY WAGES OR SALARY FOR TIME OFF LAST WEEK BLANK 1 YES 2 NO	
19	F05Q37	2	0033-0034	F05 Q37 - UP TO THE END OF LAST WEEK, WHAT WAS THE TOTAL NUMBER OF WEEKS OF CONTINUED ABSENCE FROM WORK BLANK 00:18	
20	F05Q56	1	0035	F05 Q56 - LOOKED FOR WORK IN PAST SIX MONTHS BLANK 1 YES 2 NO 3 NOT APPLICABLE	

## AETS (NOV. 1990) - MICRODATA FILE

PAGE 3

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
21	F05Q57	1	0036	F05 Q57 - LOOKED FOR WORK IN PAST FOUR WEEKS 1 YES 2 NO
22	F05LOOK1	1	0037	F05 Q57 - METHODS USED IN JOB SEARCH: CONTACTED EMPLOYERS BLANK 1 YES 2 NO
23	F05LOOK2	1	0038	F05 Q57 - METHODS USED IN JOB SEARCH: USED PUBLIC EMPLOYMENT AGENCY BLANK 1 YES 2 NO
24	F05LOOK3	1	0039	F05 Q57 - METHODS USED IN JOB SEARCH: LOOKED AT ADS BLANK 1 YES 2 NO
25	F05LOOK4	1	0040	F05 Q57 - METHODS USED: USED OTHER METHODS BLANK 1 YES 2 NO
26	F05Q58	2	0041-0042	F05 Q58 - UP TO THE END OF LAST WEEK, WHAT WAS THE TOTAL NUMBER OF WEEKS SPENT LOOKING FOR WORK BLANK 01:39
27	F05Q54	1	0043	F05 Q54 - WHAT WAS THE 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
28	F05Q59	1	0044	F05 Q59 - ACTIVITY BEFORE STARTED LOOKING FOR WORK BLANK 1 WORKING 2 KEEPING HOUSE 3 SCHOOL 4 OTHER
29	F05Q6061	1	0045	F05 Q60-Q61 - TYPE OF WORK SOUGHT BLANK 1 FULL-TIME, PERMANENT 2 FULL-TIME, TEMPORARY 3 PART-TIME, PERMANENT 4 PART-TIME, TEMPORARY
30	F05Q62	1	0046	F05 Q62 - REASONS 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

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
31	F05Q63	1	0047	F05 Q63 - AVAILABILITY FOR WORK BLANK 1 NOT AVAILABLE; GOING TO SCHOOL 2 NOT AVAILABLE; OTHER REASONS 3 AVAILABLE
32	F05Q8082	1	0048	F05 Q80-Q82 - 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	FILLER	1	0049	FILLER
34	F05FTPT	1	0050	F05 - TYPE OF JOB (PRESENT OR PREVIOUS) 1 FULL-TIME 2 PART-TIME 3 NOT APPLICABLE
35	LFSTATUS	1	0051	LABOUR FORCE STATUS 1 EMPLOYED 2 UNEMPLOYED 3 NOT IN LABOUR FORCE
36	F05Q76	1	0052	F05 Q76 - CLASS OF WORKER 1 PAID WORKER, PRIVATE 2 PAID WORKER, GOVERNMENT 4 EMPLOYER 5 OWN ACCOUNT 6 UNPAID FAMILY WORKER 7 NEVER WORKED 8 RESIDUE NOTE: THERE IS NO CODE 3
37	F05Q7374	2	0053-0054	F05 Q73-Q74 - TYPE OF 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/PERMANENTLY UNABLE TO WORK 15 LAST WORKED MORE THAN 5 YEARS AGO
38	F05Q75	2	0055-0056	F05 Q75 - TYPE OF OCCUPATION 01 OFFICIALS AND ADMINISTRATORS, GOVERNMENT 02 OTHER MANAGERS AND ADMINISTRATORS 03 MANAGEMENT AND ADMINISTRATION RELATED 04 PHYSICAL, LIFE SCIENCE 05 MATHEMATICS, STATISTICS, 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



FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS	PAGE
38	F05Q75	2	0055-0056	F05 Q75 - TYPE OF OCCUPATION 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, INFORMATION, MAIL AND MESSAGE DISTRIBUTION 22 LIBRARY, FILING, CORRESPONDENCE, OTHER CLERICAL AND RELATED 23 SALES, COMMODITIES 24 SALES, SERVICES AND OTHER SALES 25 PROTECTIVE SERVICES 26 FOOD, BEVERAGE PREPARATION; RELATED LODGING 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-INCLUDING 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 48 MATERIAL HANDLING 49 OTHER CRAFTS AND EQUIPMENT OPERATORS 50 NEVER WORKED/PERMANENTLY UNABLE TO WORK 51 LAST WORKED MORE THAN 5 YEARS AGO	(CONTINUED)
39	DURUNEMP	2	0057-0058	DURATION OF UNEMPLOYMENT BLANK 00:53 NOTE: BASED ON RESPONSES ON THE F05	
40	TENURE	1	0059	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 NOTE: BASED ON RESPONSES ON THE F05	
41	DURNOJOB	1	0060	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 NOTE: BASED ON RESPONSES ON THE F05	

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
42	DURLSTWK	1	0061	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 NOTE: BASED ON RESPONSES ON THE F05
43	FLWS	1	0062	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 NOTE: BASED ON RESPONSES ON THE F05
44	HDAGE	1	0063	AGE OF HEAD OF HOUSEHOLD 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 NOTE: BASED ON RESPONSES ON THE F03
45	SPAGE	1	0064	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 NOTE: BASED ON RESPONSES ON THE F03
46	FAMSIZE	1	0065	SIZE OF FAMILY 1:3 4 4 AND OVER NOTE: BASED ON RESPONSES ON THE F03
47	OWNKIDS1	1	0066	NUMBER OF OWN CHILDREN: AGES 0-2 YRS. 0 NONE 1 1 CHILD 2 2 CHILDREN 3 3 OR MORE CHILDREN NOTE: BASED ON RESPONSES ON THE F03
48	OWNKIDS2	1	0067	NUMBER OF OWN CHILDREN: AGES 3-5 YRS. 0 NONE 1 1 CHILD 2 2 CHILDREN 3 3 OR MORE CHILDREN NOTE: BASED ON RESPONSES ON THE F03
49	OWNKIDS3	1	0068	NUMBER OF OWN CHILDREN: AGES 6-15 YRS. 0 NONE 1 1 CHILD 2 2 CHILDREN 3 3 CHILDREN 4 4 CHILDREN 5 5 OR MORE CHILDREN

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS	PAGE
49	OWNKIDS3	1	0068	NUMBER OF OWN CHILDREN: AGES 6-15 YRS. NOTE: BASED ON RESPONSES ON THE F03	(CONTINUED)
50	OWNKIDS4	1	0069	NUMBER OF OWN CHILDREN: AGES 16-24 YRS. 0 NONE 1 1 CHILD 2 2 CHILDREN 3 3 CHILDREN 4 4 CHILDREN 5 5 OR MORE CHILDREN NOTE: BASED ON RESPONSES ON THE F03	
51	OTHKIDS1	1	0070	NUMBER OF OTHER CHILDREN: AGES 0-15 YRS. 0 NONE 1 1 CHILD 2 2 CHILDREN 3 3 OR MORE CHILDREN NOTE: BASED ON RESPONSES ON THE F03	
52	OTHKIDS2	1	0071	NUMBER OF OTHER CHILDREN: AGES 16-24 YRS. 0 NONE 1 1 CHILD 2 2 CHILDREN 3 3 OR MORE CHILDREN NOTE: BASED ON RESPONSES ON THE F03	
53	KIDSATSH	1	0072	NUMBER OF CHILDREN AGES 16-24 ATTENDING SCHOOL 0 NONE 1 1 CHILD 2 2 CHILDREN 3 3 CHILDREN 4 4 CHILDREN OR MORE NOTE: BASED ON RESPONSES ON THE F03	
54	HEADLFS	1	0073	LABOUR FORCE STATUS OF HEAD OF HOUSEHOLD 1 EMPLOYED FULL-TIME 2 EMPLOYED PART-TIME 3 UNEMPLOYED 4 NOT IN LABOUR FORCE 5 OUT OF SCOPE NOTE: BASED ON RESPONSES ON THE F05	
55	SPLFS	1	0074	LABOUR FORCE STATUS OF SPOUSE BLANK 1 EMPLOYED FULL-TIME 2 EMPLOYED PART-TIME 3 UNEMPLOYED 4 NOT IN LABOUR FORCE 5 OUT OF SCOPE NOTE: BASED ON RESPONSES ON THE F05	
56	EMPFAM	1	0075	NUMBER OF EMPLOYED FAMILY MEMBERS 0:7 8 8 OR OVER NOTE: BASED ON RESPONSES ON THE F05	
57	UNEMPFAM	1	0076	NUMBER OF UNEMPLOYED FAMILY MEMBERS 0:3 4 4 OR OVER NOTE: BASED ON RESPONSES ON THE F05	
58	EDHEAD	1	0077	EDUCATION OF HEAD OF HOUSEHOLD 1 0-8 YEARS 2 SOME SECONDARY EDUCATION 3 GRADUATED FROM HIGH SCHOOL 4 SOME POST SECONDARY 5 POST SECONDARY CERTIFICATE OR DIPLOMA 6 UNIVERSITY DEGREE NOTE: BASED ON RESPONSES ON THE F03	

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS	PAGE
59	EDSPOUSE	1	0078	EDUCATION OF SPOUSE BLANK 1 0-8 YEARS 2 SOME SECONDARY EDUCATION 3 GRADUATED FROM HIGH SCHOOL 4 SOME POST SECONDARY 5 POST SECONDARY CERTIFICATE OR DIPLOMA 6 UNIVERSITY DEGREE NOTE: BASED ON RESPONSES ON THE F03	8
60	OCCHEAD	2	0079-0080	OCCUPATION OF HEAD OF HOUSEHOLD 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 PERMANENTLY UNABLE TO WORK NOTE: BASED ON RESPONSES ON THE F05	
61	OCCSPOUS	2	0081-0082	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 BEFORE 23 LAST WORKED MORE THAN 5 YEARS AGO 24 PERMANENTLY UNABLE TO WORK NOTE: BASED ON RESPONSES ON THE F05	

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
-------	---------	-----	----------	------------------------------------

SECTION A: SCREENING QUESTIONS FOR  
FULL-TIME PROGRAMS

62	Q10	1	0083	Q10 DURING PAST 12 MONTHS WAS ... FULL-TIME STUDENT AT COMMUNITY COLLEGE, CEGEP, TECHNICAL INSTITUTE OR UNIVERSITY? 1 YES 2 NO 9 NOT STATED
63	Q11	1	0084	Q11 DURING PAST 12 MONTHS WAS ... FULL-TIME STUDENT AT TRADE/VOCATIONAL SCHOOL OR OTHER SIMILAR SCHOOL? 1 YES 2 NO 9 NOT STATED
64	Q12	1	0085	Q12 DURING PAST 12 MONTHS DID ... TAKE A FULL-TIME PROGRAM FROM A COMMERCIAL TRAINING SCHOOL, UNION OR PROFESSIONAL ORGANIZATION? 1 YES 2 NO 9 NOT STATED

SECTION B: FULL-TIME PROGRAMS

65	Q13	3	0086-0088	Q13 WHAT WAS FIELD OF STUDY OF LAST FULL-TIME PROGRAM? NOTE: THE LIST OF CODES APPEARS IN APPENDIX E OF THE MICRODATA USERS GUIDE. THE MFS CODES ARE COLLAPSED CODES BASED ON THE THREE-DIGIT MFS CODES USED BY CENSUS. THE ABOVE CODES ALSO INCLUDE SEVERAL SUPPLEMENTARY CODES NOT USED BY CENSUS.
66	Q14	1	0089	Q14 USUAL TIME REQUIRED TO COMPLETE THIS PROGRAM, IN YEARS? 0 LESS THAN ONE YEAR 1:7 9 NOT STATED NOT APPLICABLE
67	Q15	1	0090	Q15 IS ... STILL TAKING THIS PROGRAM? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
68	Q16	1	0091	Q16 DID ... SUCCESSFULLY COMPLETE THIS PROGRAM? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
69	Q17	1	0092	Q17 EXCLUDING SUMMER JOBS, WAS ... EMPLOYED WHILE TAKING THIS PROGRAM? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
70	Q18	1	0093	Q18 WHEN ... WAS ENROLLED IN THIS PROGRAM, HOW MANY PERSONS WERE EMPLOYED AT LOCATION WHERE ... WORKED? 1 LESS THAN 20 2 20 TO 99 3 100 TO 499 4 500 AND OVER 5 DO NOT KNOW 9 NOT STATED NOT APPLICABLE
71	Q19	1	0094	Q19 DID ...'S EMPLOYER OPERATE AT MORE THAN ONE LOCATION IN CANADA? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
72	Q20	1	0095	Q20 ABOUT HOW MANY PERSONS WERE EMPLOYED AT ALL LOCATIONS IN CANADA? 1 LESS THAN 20 2 20 TO 99 3 100 TO 499 4 500 AND OVER 5 DO NOT KNOW 9 NOT STATED NOT APPLICABLE
73	Q21	2	0096-0097	Q21 HOW LONG HAD ... BEEN WORKING FOR THIS EMPLOYER? 00 LESS THAN ONE YEAR 01:05 06 06 TO 10 YEARS 07 11 TO 15 YEARS 08 16 TO 20 YEARS 09 21 YEARS AND OVER 99 NOT STATED NOT APPLICABLE
74	Q22A	1	0098	Q22A WHO PAID FEE OR TUITION FOR THIS PROGRAM: EMPLOYER? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
75	Q22B	1	0099	Q22B WHO PAID FEE OR TUITION FOR THIS PROGRAM: SELF OR FAMILY? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
76	Q22C	1	0100	Q22C WHO PAID FEE OR TUITION FOR THIS PROGRAM: UNION OR PROFESSIONAL ORGANIZATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
77	Q22D	1	0101	Q22D WHO PAID FEE OR TUITION FOR THIS PROGRAM: VOLUNTARY ORGANIZATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
78	Q22E	1	0102	Q22E WHO PAID FEE OR TUITION FOR THIS PROGRAM: GOVERNMENT? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
79	Q22F	1	0103	Q22F WHO PAID FEE OR TUITION FOR THIS PROGRAM: SOME OTHER PERSON OR ORGANIZATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
80	Q22G	1	0104	Q22G WHO PAID FEE OR TUITION FOR THIS PROGRAM: NO FEE? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
81	Q22H	1	0105	Q22H WHO PAID FEE OR TUITION FOR THIS PROGRAM: DO NOT KNOW? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
82	Q23	1	0106	Q23 EXCLUDING FEES OR TUITION, DID ... RECEIVE ANY OTHER TYPES OF FINANCIAL ASSISTANCE? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
83	Q24A	1	0107	Q24A WHO PROVIDED THIS ASSISTANCE: EMPLOYER? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
84	Q24B	1	0108	Q24B WHO PROVIDED THIS ASSISTANCE: FAMILY? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
85	Q24C	1	0109	Q24C WHO PAID FOR THIS ASSISTANCE: UNION OR PROFESSIONAL ORGANIZATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
86	Q24D	1	0110	Q24D WHO PAID FOR THIS ASSISTANCE: VOLUNTARY ORGANIZATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
87	Q24E	1	0111	Q24E WHO PAID FOR THIS ASSISTANCE: GOVERNMENT? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
88	Q24F	1	0112	Q24F WHO PAID FOR THIS ASSISTANCE: OTHER? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
89	Q24G	1	0113	Q24G WHO PAID FOR THIS ASSISTANCE: DO NOT KNOW? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
90	Q25	1	0114	Q25 WHERE WAS THIS PROGRAM TAKEN? 1 UNIVERSITY 2 COLLEGE (COMMUNITY, CEGEP, TECHNICAL INSTITUTE) 3 VOCATIONAL OR TRADE SCHOOL 4 PRIVATE OR COMMERCIAL SCHOOL 5 WORK 6 OTHER 7 DO NOT KNOW 9 NOT STATED NOT APPLICABLE
91	Q26	1	0115	Q26 WHAT WAS THE MOST IMPORTANT REASON WHY ... TOOK THIS PROGRAM? 1 IMPROVE JOB OPPORTUNITIES OR FOR CAREER DEVELOPMENT 2 PERSONAL INTEREST 3 INCREASE EARNINGS 4 IMPROVE JOB RELATED SKILLS 9 NOT STATED NOT APPLICABLE
92	Q27	1	0116	Q27 DURING 6 MONTHS PRIOR TO ENTERING PROGRAM ... WAS MAINLY? 1 WITHOUT A JOB BUT ACTIVELY LOOKING FOR WORK 2 EMPLOYED FULL-TIME (MORE THAN 30HRS/WK) 3 EMPLOYED PART-TIME 4 WITHOUT A JOB AND NOT LOOKING FOR WORK 5 STUDENT 9 NOT STATED NOT APPLICABLE
SECTION C: APPRENTICESHIP				
93	Q28	1	0117	Q28 DURING THE PAST 12 MONTHS WAS ... REGISTERED IN A FULL-TIME APPRENTICESHIP PROGRAM WHICH LASTED MORE THAN 1 MONTH? 1 YES 2 NO 9 NOT STATED
94	Q30	1	0118	Q30 WHILE ... WAS ENROLLED IN APPRENTICESHIP PROGRAM, HOW MANY PERSONS WERE EMPLOYED AT LOCATION WHERE ... WORKED? 1 LESS THAN 20 2 20 TO 99 3 100 TO 499 4 500 AND OVER 5 DO NOT KNOW 9 NOT STATED NOT APPLICABLE



FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
95	Q31	1	0119	Q31 DID ...'S EMPLOYER OPERATE AT MORE THAN ONE LOCATION IN CANADA? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
96	Q32	1	0120	Q32 ABOUT HOW MANY PERSONS WERE EMPLOYED AT ALL LOCATIONS IN CANADA? 1 LESS THAN 20 2 20 TO 99 3 100 TO 499 4 500 AND OVER 5 DO NOT KNOW 9 NOT STATED NOT APPLICABLE
97	Q33	2	0121-0122	Q33 WHEN STARTED PROGRAM, HOW LONG HAD ... BEEN WORKING FOR THIS EMPLOYER? 00 LESS THAN ONE YEAR 01:05 06 06 TO 10 YEARS 07 11 TO 15 YEARS 08 16 TO 20 YEARS 09 21 YEARS AND OVER 99 NOT STATED NOT APPLICABLE
98	Q34	1	0123	Q34 INTERVIEWER CHECK ITEM - Q22 OR Q24 MARKED "EMPLOYER"? 1 YES 2 NO ("OTHERWISE")
SECTION D: EMPLOYEE-RELATED FULL-TIME TRAINING OR EDUCATION				
99	Q35	1	0124	Q35 EXCLUDING APPRENTICESHIP TRAINING, DID ... TAKE FULL-TIME TRAINING ORGANIZED OR PROVIDED BY EMPLOYER? 1 YES 2 NO 9 NOT STATED
100	Q37	1	0125	Q37 WHERE WAS THIS PROGRAM TAKEN? 1 UNIVERSITY 2 COLLEGE (COMMUNITY, CEGEP, TECHNICAL INSTITUTE) 3 VOCATIONAL OR TRADE SCHOOL 4 PRIVATE OR COMMERCIAL SCHOOL 5 WORK 6 OTHER 7 DO NOT KNOW 9 NOT STATED NOT APPLICABLE
101	Q38	2	0126-0127	Q38 HOW MANY HOURS OF INSTRUCTION WERE THERE EACH WEEK FOR THIS COURSE OR PROGRAM? 01:40 41 41 OR MORE 99 NOT STATED NOT APPLICABLE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
102	Q39	2	0128-0129	Q39 HOW MANY WEEKS DID THIS COURSE OR PROGRAM LAST? 01:52 99 NOT STATED NOT APPLICABLE
103	Q40	1	0130	Q40 IS ... STILL TAKING THIS COURSE OR PROGRAM? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
104	Q41	1	0131	Q41 DID ... SUCCESSFULLY COMPLETE THIS COURSE OR PROGRAM? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
105	Q42	1	0132	Q42 WHILE ... WAS ENROLLED IN THIS COURSE OR OR PROGRAM, HOW MANY PERSONS WERE EMPLOYED AT LOCATION WHERE ... WORKED? 1 LESS THAN 20 2 20 TO 99 3 100 TO 499 4 500 AND OVER 5 DO NOT KNOW 9 NOT STATED NOT APPLICABLE
106	Q43	1	0133	Q43 DID ...'S EMPLOYER OPERATE AT MORE THAN ONE LOCATION IN CANADA? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
107	Q44	1	0134	Q44 ABOUT HOW MANY PERSONS WERE EMPLOYED AT ALL LOCATIONS IN CANADA? 1 LESS THAN 20 2 20 TO 99 3 100 TO 499 4 500 AND OVER 5 DO NOT KNOW 9 NOT STATED NOT APPLICABLE
108	Q45	2	0135-0136	Q45 WHEN ... TOOK THIS COURSE OR PROGRAM, HOW LONG HAD ... BEEN WORKING FOR THIS EMPLOYER? 00 LESS THAN ONE YEAR 01:05 06 06 TO 10 YEARS 07 11 TO 15 YEARS 08 16 TO 20 YEARS 09 21 YEARS AND OVER 99 NOT STATED NOT APPLICABLE

## SECTION E: SHORT-TERM/PART-TIME COURSES

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
109	Q46A	1	0137	Q46A DURING PAST 12 MONTHS, DID ... TAKE ANY SHORT-TERM, FULL-TIME COURSES WHICH LASTED LESS THAN ONE MONTH? 1 YES 2 NO 9 NOT STATED
110	Q46ANUM	1	0138	Q46ANUM HOW MANY SHORT-TERM, FULL-TIME COURSES DID ... TAKE? 1:6 7 7 OR MORE 9 NOT STATED NOT APPLICABLE
111	Q46B	1	0139	Q46B DURING PAST 12 MONTHS DID ... TAKE ANY COURSES PART-TIME? 1 YES 2 NO 9 NOT STATED
112	Q47	1	0140	Q47 DURING PAST 12 MONTHS, DID ... TAKE ANY COURSES PART-TIME? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
113	Q47NUM	1	0141	Q47NUM HOW MANY PART-TIME COURSES DID ... TAKE? 1:6 7 7 OR MORE 9 NOT STATED NOT APPLICABLE
114	Q48	3	0142-0144	Q48 WHAT WAS THE FIELD OF STUDY OF LAST SHORT-TERM OR PART-TIME TRAINING OR EDUCATIONAL COURSE? NOTE: THE LIST OF CODES APPEARS IN APPENDIX E OF THE MICRODATA USERS GUIDE. THE MFS CODES ARE COLLAPSED CODES BASED ON THE THREE-DIGIT MFS CODES USED BY CENSUS. THE ABOVE CODES ALSO INCLUDE SEVERAL SUPPLEMENTARY CODES NOT USED BY CENSUS.
115	Q49	2	0145-0146	Q49 HOW MANY HOURS OF INSTRUCTION WERE THERE EACH WEEK FOR THIS COURSE? 01:40 41 41 OR MORE 99 NOT STATED NOT APPLICABLE
116	Q50	2	0147-0148	Q50 HOW MANY WEEKS DID THIS COURSE LAST? 01:52 99 NOT STATED NOT APPLICABLE
117	Q51	1	0149	Q51 WAS .. EMPLOYED WHILE TAKING THIS COURSE? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
118	Q52	1	0150	Q52 WHILE ... WAS ENROLLED IN THIS COURSE, HOW MANY PERSONS WERE EMPLOYED AT LOCATION WHERE ... WORKED? 1 LESS THAN 20 2 20 TO 99 3 100 TO 499 4 500 OR OVER 5 DO NOT KNOW 9 NOT STATED NOT APPLICABLE
119	Q53	1	0151	Q53 DID ...'S EMPLOYER OPERATE AT MORE THAN ONE LOCATION IN CANADA? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
120	Q54	1	0152	Q54 ABOUT HOW MANY PERSONS WERE EMPLOYED AT ALL LOCATIONS IN CANADA? 1 LESS THAN 20 2 20 TO 99 3 100 TO 499 4 500 OR OVER 5 DO NOT KNOW 9 NOT STATED NOT APPLICABLE
121	Q55	2	0153-0154	Q55 WHEN TOOK COURSE, FOR HOW LONG HAD ... BEEN WORKING FOR THIS EMPLOYER? 00 LESS THAN ONE YEAR 01:05 06 06 TO 10 YEARS 07 11 TO 15 YEARS 08 16 TO 20 YEARS 09 21 YEARS AND OVER 99 NOT STATED NOT APPLICABLE
122	Q56A	1	0155	Q56A WHO PAID FEE OR TUITION FOR THIS COURSE: EMPLOYER? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
123	Q56B	1	0156	Q56B WHO PAID FEE OR TUITION FOR THIS COURSE: SELF OR FAMILY? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
124	Q56C	1	0157	Q56C WHO PAID FEE OR TUITION FOR THIS COURSE: UNION OR PROFESSIONAL ORGANIZATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
125	Q56D	1	0158	Q56D WHO PAID FEE OR TUITION FOR THIS COURSE: VOLUNTARY ORGANIZATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
126	Q56E	1	0159	Q56E WHO PAID FEE OR TUITION FOR THIS COURSE: GOVERNMENT? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
127	Q56F	1	0160	Q56F WHO PAID FEE OR TUITION FOR THIS COURSE: SOME OTHER PERSON OR ORGANIZATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
128	Q56G	1	0161	Q56G WHO PAID FEE OR TUITION FOR THIS COURSE: NO FEE? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
129	Q56H	1	0162	Q56H WHO PAID FEE OR TUITION FOR THIS COURSE: DO NOT KNOW? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
130	Q57	1	0163	Q57 EXCLUDING FEES OR TUITION, DID ... RECEIVE ANY OTHER TYPES OF FINANCIAL ASSISTANCE? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
131	Q58A	1	0164	Q58A WHO PROVIDED THIS ASSISTANCE: EMPLOYER? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
132	Q58B	1	0165	Q58B WHO PROVIDED THIS ASSISTANCE: FAMILY? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
133	Q58C	1	0166	Q58C WHO PROVIDED THIS ASSISTANCE: UNION OR PROFESSIONAL ORGANIZATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
134	Q58D	1	0167	Q58D WHO PROVIDED THIS ASSISTANCE: VOLUNTARY ORGANIZATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
135	Q58E	1	0168	Q58E WHO PROVIDED THIS ASSISTANCE: GOVERNMENT? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
136	Q58F	1	0169	Q58F WHO PROVIDED THIS ASSISTANCE: OTHER? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
137	Q58G	1	0170	Q58G WHO PROVIDED THIS ASSISTANCE: DO NOT KNOW? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
138	Q59	1	0171	Q59 WHERE WAS THIS COURSE TAKEN? 1 UNIVERSITY 2 COLLEGE (COMMUNITY, CEGEP, TECHNICAL INSTITUTE) 3 VOCATIONAL OR TRADE SCHOOL 4 PRIVATE OR COMMERCIAL SCHOOL 5 WORK 6 OTHER 7 DO NOT KNOW 9 NOT STATED NOT APPLICABLE
139	Q60	1	0172	Q60 WHAT WAS THE MOST IMPORTANT REASON WHY ... TOOK THIS COURSE? 1 IMPROVE JOB OPPORTUNITIES OR FOR CAREER DEVELOPMENT 2 PERSONAL INTEREST 3 INCREASE EARNINGS 4 IMPROVE JOB RELATED SKILLS 9 NOT STATED NOT APPLICABLE
140	Q61	1	0173	Q61 DURING 6 MONTHS PRIOR TO STARTING COURSE ... WAS MAINLY? 1 WITHOUT A JOB BUT ACTIVELY LOOKING FOR WORK 2 EMPLOYED FULL-TIME (MORE THAN 30HRS/WK) 3 EMPLOYED PART-TIME 4 WITHOUT A JOB AND NOT LOOKING FOR WORK 5 STUDENT 9 NOT STATED NOT APPLICABLE
141	Q62	1	0174	Q62 INTERVIEWER CHECK ITEM - AT LEAST ONE OF Q17, Q30, Q40 OR Q51 HAS A RESPONSE 1 YES 2 NO
SECTION F: EMPLOYER INFORMATION ON NON-TRAINEES				
142	Q63	1	0175	Q63 DURING PAST 12 MONTHS DID ... DO ANY WORK AT ALL AT A JOB OR BUSINESS? 1 YES 2 NO 9 NOT STATED
143	Q64	1	0176	Q64 WAS ...'S WORK ENTIRELY FULL-TIME, ENTIRELY PART-TIME OR SOME OF EACH? 1 ENTIRELY FULL-TIME 2 ENTIRELY PART-TIME 3 SOME FULL-TIME AND SOME PART-TIME 9 NOT STATED NOT APPLICABLE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
144	Q65	1	0177	<p>Q65 HOW MANY PERSONS WERE EMPLOYED AT LOCATION WHERE ... WORKED DURING PAST 12 MONTHS?</p> <p>1 LESS THAN 20            2 20 TO 99            3 100 TO 499            4 500 AND OVER            5 DO NOT KNOW            9 NOT STATED            NOT APPLICABLE</p>
145	Q66	1	0178	<p>Q66 DID ...'S EMPLOYER OPERATE AT MORE THAN ONE LOCATION IN CANADA?</p> <p>1 YES            2 NO            9 NOT STATED            NOT APPLICABLE</p>
146	Q67	1	0179	<p>Q67 ABOUT HOW MANY PERSONS WERE EMPLOYED AT ALL LOCATIONS IN CANADA?</p> <p>1 LESS THAN 20            2 20 TO 99            3 100 TO 499            4 500 AND OVER            5 DO NOT KNOW            9 NOT STATED            NOT APPLICABLE</p>
147	Q68	1	0180	<p>Q68 DURING 6 MONTHS FROM JANUARY TO JUNE 1990, ... WAS MAINLY?</p> <p>1 WITHOUT A JOB BUT ACTIVELY LOOKING FOR WORK            2 WITHOUT A JOB AND NOT LOOKING FOR WORK            3 EMPLOYED FULL-TIME (MORE THAN 30HRS/WK)            4 EMPLOYED PART-TIME            5 STUDENT            9 NOT STATED            NOT APPLICABLE</p>
SECTION G: BARRIERS TO TRAINING				
148	Q69	1	0181	<p>Q69 WAS THERE ANY TRAINING OR EDUCATION THAT ... WAS SUPPOSED TO TAKE FOR EMPLOYMENT RELATED REASONS BUT DID NOT?</p> <p>1 YES            2 NO            3 DO NOT KNOW            9 NOT STATED</p>
149	Q70A	1	0182	<p>Q70A WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: NOT AWARE OF EXISTING PROGRAMS?</p> <p>1 YES            2 NO            9 NOT STATED            NOT APPLICABLE</p>
150	Q70B	1	0183	<p>Q70B WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TRAINING PROGRAMS NOT AVAILABLE?</p> <p>1 YES            2 NO            9 NOT STATED            NOT APPLICABLE</p>

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
151	Q70C	1	0184	Q70C WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: AVAILABLE PROGRAMS NOT SUITABLE FOR ...'S NEEDS? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
152	Q70D	1	0185	Q70D WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO OLD/TOO LATE NOW? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
153	Q70E	1	0186	Q70E WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: NOT INTERESTED/LACK OF MOTIVATION? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
154	Q70F	1	0187	Q70F WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO BUSY? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
155	Q70G	1	0188	Q70G WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO EXPENSIVE/HAVE NO MONEY? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
156	Q70H	1	0189	Q70H WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO EMBARRASSED? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
157	Q70I	1	0190	Q70I WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: HEALTH REASONS? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
158	Q70J	1	0191	Q70J WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: FAMILY RESPONSIBILITIES? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE



FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
159	Q70K	1	0192	Q70K WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: OTHER? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
160	Q70L	1	0193	Q70L WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: DO NOT KNOW? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
161	Q71	1	0194	Q71 WAS THERE ANY TRAINING OR EDUCATION THAT ... WOULD HAVE WANTED TO TAKE FOR EMPLOYMENT OR ANY OTHER REASONS BUT DID NOT? 1 YES 2 NO 3 DO NOT KNOW 9 NOT STATED
162	Q72A	1	0195	Q72A WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: NOT AWARE OF EXISTING PROGRAMS? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
163	Q72B	1	0196	Q72B WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TRAINING PROGRAMS NOT AVAILABLE? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
164	Q72C	1	0197	Q72C WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: AVAILABLE PROGRAMS NOT SUITABLE FOR ...'S NEEDS? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
165	Q72D	1	0198	Q72D WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO OLD/TOO LATE NOW? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
166	Q72E	1	0199	Q72E WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: DON'T NEED IT IN JOB/KNOWS ENOUGH? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE

FIELD	ACRONYM	LEN	POSITION	QUESTION AND VARIABLE DESCRIPTIONS
167	Q72F	1	0200	Q72F WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO BUSY? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
168	Q72G	1	0201	Q72G WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO EXPENSIVE/HAVE NO MONEY? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
169	Q72H	1	0202	Q72H WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO EMBARRASSED? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
170	Q72I	1	0203	Q72I WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: HEALTH REASONS? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
171	Q72J	1	0204	Q72J WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: FAMILY RESPONSIBILITIES? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
172	Q72K	1	0205	Q72K WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: OTHER? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
173	Q72L	1	0206	Q72L WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: DO NOT KNOW? 1 YES 2 NO 9 NOT STATED NOT APPLICABLE
174	PROXY	1	0207	QUESTIONNAIRE COMPLETED BY PROXY/NON-PROXY 0 NON PROXY 1 PROXY
175	WEIGHT	9	0208-0216	FINAL WEIGHT NOTE: (STORED AS 5.4 I.E. XXXXX.XXXX)

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
REGION AND PROVINCE		
NEWFOUNDLAND.....	412,926	5,368
PRINCE EDWARD ISLAND.....	94,006	2,319
NOVA SCOTIA.....	658,650	6,709
NEW BRUNSWICK.....	532,943	6,126
QUEBEC.....	5,131,781	17,946
ONTARIO.....	7,385,212	25,534
MANITOBA.....	777,338	5,938
SASKATCHEWAN.....	693,644	6,659
ALBERTA.....	1,779,851	8,169
BRITISH COLUMBIA.....	2,371,470	8,040
TOTAL.....	19,837,821	92,808
F03 Q34 - SEX		
MALE.....	9,654,251	44,669
FEMALE.....	10,183,571	48,139
TOTAL.....	19,837,821	92,808
F03 Q35 - MARITAL STATUS		
MARRIED.....	13,070,750	62,993
SINGLE.....	4,422,588	19,061
OTHER.....	2,344,483	10,754
TOTAL.....	19,837,821	92,808
F03 Q36 - RELATIONSHIP TO HEAD OF FAMILY		
HEAD.....	10,551,951	48,776
SPOUSE.....	6,329,912	30,862
SON-DAUGHTER.....	2,393,729	10,946
PARENT (IN-LAW).....	211,806	782
SON-DAUGHTER (IN-LAW).....	47,222	207
OTHER RELATIVE.....	303,201	1,235
TOTAL.....	19,837,821	92,808
F03 Q33 - AGE GROUP		
15-16 YEARS.....	-	-
17-19 YEARS.....	1,090,054	5,381
20-24 YEARS.....	1,931,664	7,961
25-34 YEARS.....	4,654,210	21,420
35-44 YEARS.....	4,163,170	19,849
45-54 YEARS.....	2,824,854	13,003
55-64 YEARS.....	2,331,129	11,125
65-69 YEARS.....	1,029,179	4,944
70 YEARS AND OVER.....	1,813,560	9,125
TOTAL.....	19,837,821	92,808
F03 Q38 - EDUCATION		
0:8.....	2,892,315	15,378
SOME SECONDARY EDUCATION.....	4,136,048	21,286
GRADUATED FROM HIGH SCHOOL.....	4,350,648	19,164
SOME POST-SECONDARY.....	1,781,409	7,424
POST SECONDARY CERTIFICATE OR DIPLOMA.....	4,418,191	21,358
UNIVERSITY DEGREE.....	2,259,210	8,198
TOTAL.....	19,837,821	92,808
ACTIVITY OF RESPONDENT IN LFS REFERENCE WEEK		
AT WORK.....	11,544,529	51,792
NOT AT WORK, HAS A JOB.....	719,901	3,476
NOT AT WORK, NO JOB.....	7,153,961	35,217
PERMANENTLY UNABLE TO WORK.....	419,430	2,323

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
F05 Q11 - MULTIPLE JOB HOLDER		
BLANK.....	7,579,838	37,573
YES.....	597,036	3,105
NO.....	11,660,947	52,130
TOTAL.....	19,837,821	92,808
F05 Q13 - TOTAL USUAL WEEKLY HOURS WORKED		
00 HOURS.....	7,575,909	37,554
01 HOURS.....	11,322	58
02 HOURS.....	24,362	138
03 HOURS.....	23,154	140
04 HOURS.....	45,032	222
05 HOURS.....	60,499	292
06 HOURS.....	59,907	251
07 HOURS.....	30,221	150
08 HOURS.....	119,643	543
09 HOURS.....	17,150	84
10 HOURS.....	152,628	722
11 HOURS.....	13,736	60
12 HOURS.....	99,160	484
13 HOURS.....	21,356	98
14 HOURS.....	39,259	192
15 HOURS.....	182,349	847
16 HOURS.....	133,935	584
17 HOURS.....	20,043	88
18 HOURS.....	62,799	275
19 HOURS.....	11,682	60
20 HOURS.....	350,656	1,708
21 HOURS.....	45,164	199
22 HOURS.....	36,009	166
23 HOURS.....	35,590	183
24 HOURS.....	130,843	637
25 HOURS.....	148,652	721
26 HOURS.....	22,709	103
27 HOURS.....	19,254	93
28 HOURS.....	54,401	263
29 HOURS.....	7,993	47
30 HOURS.....	402,160	1,979
31 HOURS.....	12,306	60
32 HOURS.....	114,200	555
33 HOURS.....	43,073	204
34 HOURS.....	39,481	157
35 HOURS.....	825,646	3,214
36 HOURS.....	174,977	784
37 HOURS.....	171,620	711
38 HOURS.....	1,021,270	4,037
39 HOURS.....	69,011	292
40 HOURS.....	4,835,499	21,619
41 HOURS.....	15,649	91
42 HOURS.....	127,441	676
43 HOURS.....	53,700	233
44 HOURS.....	145,833	622
45 HOURS.....	398,199	1,622
46 HOURS.....	29,678	131
47 HOURS.....	18,807	73
48 HOURS.....	132,727	635
49 HOURS.....	8,092	44
50 HOURS.....	609,594	2,625
51 HOURS.....	4,513	28
52 HOURS.....	19,311	108
53 HOURS.....	10,849	48
54 HOURS.....	20,673	110
55 HOURS.....	122,109	588
56 HOURS.....	38,431	228
57 HOURS.....	7,254	32
58 HOURS.....	13,554	65
59 HOURS.....	3,089	17

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
<b>F05 Q13 - TOTAL USUAL WEEKLY HOURS WORKED</b>		
60 HOURS.....	395,222	1,955
61 HOURS.....	2,679	13
62 HOURS.....	5,880	34
63 HOURS.....	7,420	37
64 HOURS.....	8,319	36
65 HOURS.....	374,140	2,183
TOTAL.....	19,837,821	92,808
<b>F05 Q14 - REASON FOR PART-TIME WORK</b>		
BLANK.....	17,998,448	84,259
PERSONAL OR FAMILY RESPONSIBILITIES.....	225,528	1,094
GOING TO SCHOOL.....	546,749	2,070
COULD ONLY FIND PART-TIME WORK.....	440,651	2,426
DID NOT WANT FULL-TIME WORK.....	616,496	2,905
OTHER REASONS.....	9,949	54
TOTAL.....	19,837,821	92,808
<b>F05 Q15 - NUMBER OF EXTRA HOURS WORKED LAST WEEK</b>		
BLANK.....	8,293,292	41,016
00 HOURS.....	9,952,120	45,138
01 HOUR.....	50,625	238
02 HOURS.....	150,973	599
03 HOURS.....	103,910	440
04 HOURS.....	164,707	660
05 HOURS.....	191,525	787
06 HOURS.....	98,453	456
07 HOURS.....	58,329	220
08 HOURS.....	183,610	734
09 HOURS.....	17,464	77
10 HOURS.....	224,777	914
11 HOURS.....	7,165	35
12 HOURS.....	53,199	234
13 HOURS.....	11,252	49
14 HOURS.....	10,328	52
15 HOURS.....	69,493	297
16 HOURS.....	28,156	138
17 HOURS.....	7,029	23
18 HOURS.....	9,705	38
19 HOURS.....	1,838	13
20 HOURS.....	75,933	333
21 HOURS.....	3,239	15
22 HOURS.....	2,636	11
23 HOURS.....	1,769	10
24 HOURS.....	6,465	37
25 HOURS.....	16,156	55
26 HOURS.....	1,732	11
27 HOURS.....	456	3
28 HOURS.....	2,372	11
29 HOURS.....	1,550	6
30 HOURS.....	37,567	158
TOTAL.....	19,837,821	92,808
<b>F05 Q16 - NUMBER OF HOURS LOST LAST WEEK</b>		
BLANK.....	419,430	2,323
00 HOURS.....	16,517,748	76,649
01 HOUR.....	19,558	87
02 HOURS.....	34,239	155
03 HOURS.....	26,160	140
04 HOURS.....	81,260	359
05 HOURS.....	55,408	282
06 HOURS.....	53,347	270
07 HOURS.....	201,392	885
08 HOURS.....	1,208,481	5,804
09 HOURS.....	53,049	212
10 HOURS.....	117,719	529
11 HOURS.....	10,708	55
12 HOURS.....	37,752	186
13 HOURS.....	5,718	31

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
<b>F05 Q16 - NUMBER OF HOURS LOST LAST WEEK</b>		
14 HOURS.....	25,135	101
15 HOURS.....	36,526	157
16 HOURS.....	74,894	416
17 HOURS.....	3,306	21
18 HOURS.....	12,712	72
19 HOURS.....	3,203	13
20 HOURS.....	57,781	272
21 HOURS.....	8,949	41
22 HOURS.....	7,758	31
23 HOURS.....	8,316	40
24 HOURS.....	44,965	226
25 HOURS.....	14,270	62
26 HOURS.....	3,031	14
27 HOURS.....	3,442	13
28 HOURS.....	10,072	40
29 HOURS.....	2,128	10
30 HOURS.....	42,996	214
31 HOURS.....	283	3
32 HOURS.....	26,744	114
33 HOURS.....	4,875	26
34 HOURS.....	4,395	19
35 HOURS.....	45,208	194
36 HOURS.....	15,863	73
37 HOURS.....	12,495	47
38 HOURS.....	69,629	268
39 HOURS.....	3,086	17
40 HOURS.....	315,817	1,543
41 HOURS.....	137,973	794
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>F05 Q17 - REASONS FOR HOURS LOST</b>		
BLANK.....	16,937,179	78,972
ILLNESS OR DISABILITY OR PERSONAL.....	708,852	3,169
BAD WEATHER.....	31,306	204
LABOUR DISPUTE.....	28,160	130
LAYOFF.....	122,643	566
LOST JOB/NEW JOB.....	20,406	83
VACATION.....	1,723,043	8,317
WORKING SHORT-TIME.....	163,096	709
OTHER.....	103,137	658
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>F05 Q32 - NUMBER OF WEEKS UNTIL NEW JOB STARTS</b>		
BLANK.....	19,790,032	92,554
00 WEEKS.....	5,227	32
01 WEEK.....	20,866	109
02 WEEKS.....	5,530	34
03 WEEKS.....	3,510	11
04 WEEKS.....	2,116	6
05 WEEKS.....	656	3
06 WEEKS.....	2,944	12
07 WEEKS.....	1,017	8
08 WEEKS.....	591	6
09 WEEKS.....	300	1
10 WEEKS.....	70	1
11 WEEKS.....	-	-
12 WEEKS.....	57	1
13 WEEKS.....	4,905	30
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>F05 Q18 - TOTAL ACTUAL HOURS WORKED LAST WEEK</b>		
BLANK.....	-	-
00 HOURS.....	8,293,292	41,016
01 HOUR.....	16,074	73
02 HOURS.....	28,138	156
03 HOURS.....	22,052	133
04 HOURS.....	49,892	244
05 HOURS.....	53,175	256

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
<b>F05 Q18 - TOTAL ACTUAL HOURS WORKED LAST WEEK</b>		
06 HOURS.....	61,200	256
07 HOURS.....	33,609	175
08 HOURS.....	146,236	665
09 HOURS.....	18,236	93
10 HOURS.....	141,124	666
11 HOURS.....	17,127	71
12 HOURS.....	110,005	538
13 HOURS.....	19,182	96
14 HOURS.....	48,950	237
15 HOURS.....	171,349	791
16 HOURS.....	170,302	778
17 HOURS.....	24,567	113
18 HOURS.....	67,504	286
19 HOURS.....	17,467	85
20 HOURS.....	321,033	1,529
21 HOURS.....	57,898	254
22 HOURS.....	48,360	253
23 HOURS.....	44,347	232
24 HOURS.....	200,633	1,025
25 HOURS.....	140,758	658
26 HOURS.....	37,782	179
27 HOURS.....	40,407	192
28 HOURS.....	134,621	670
29 HOURS.....	52,244	250
30 HOURS.....	586,408	2,698
31 HOURS.....	53,336	233
32 HOURS.....	766,411	3,775
33 HOURS.....	49,232	243
34 HOURS.....	75,536	325
35 HOURS.....	560,219	2,245
36 HOURS.....	189,894	881
37 HOURS.....	161,056	669
38 HOURS.....	566,093	2,138
39 HOURS.....	90,045	350
40 HOURS.....	3,102,249	13,479
41 HOURS.....	63,920	272
42 HOURS.....	195,850	909
43 HOURS.....	87,772	366
44 HOURS.....	187,775	758
45 HOURS.....	355,977	1,473
46 HOURS.....	82,004	351
47 HOURS.....	44,001	194
48 HOURS.....	237,288	1,072
49 HOURS.....	16,877	88
50 HOURS.....	568,007	2,319
51 HOURS.....	15,110	76
52 HOURS.....	64,885	300
53 HOURS.....	17,948	85
54 HOURS.....	30,604	150
55 HOURS.....	149,330	648
56 HOURS.....	56,798	310
57 HOURS.....	13,728	66
58 HOURS.....	22,252	112
59 HOURS.....	6,309	40
60 HOURS.....	374,210	1,772
61 HOURS.....	6,481	33
62 HOURS.....	15,873	63
63 HOURS.....	7,570	41
64 HOURS.....	10,805	55
65 HOURS.....	418,403	2,249

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
F05 Q38 - ARE YOU GETTING ANY WAGES OR SALARY FOR TIME OFF LAST WEEK		
BLANK.....	19,120,438	89,346
YES.....	254,535	1,146
NO.....	462,848	2,316
TOTAL.....	19,837,821	92,808
F05 Q37 - UP TO THE END OF LAST WEEK, WHAT WAS THE TOTAL NUMBER OF WEEKS OF CONTINUED ABSENCE FROM WORK?		
BLANK.....	19,120,438	89,346
00 WEEKS.....	-	-
01 WEEK.....	233,731	1,117
02 WEEKS.....	102,923	462
03 WEEKS.....	77,245	343
04 WEEKS.....	42,641	225
05 WEEKS.....	20,026	106
06 WEEKS.....	28,569	123
07 WEEKS.....	16,970	88
08 WEEKS.....	16,254	106
09 WEEKS.....	10,695	64
10 WEEKS.....	11,401	66
11 WEEKS.....	11,068	56
12 WEEKS.....	16,174	72
13 WEEKS.....	4,349	26
14 WEEKS.....	5,196	30
15 WEEKS.....	16,913	69
16 WEEKS.....	12,867	63
17 WEEKS.....	2,784	17
18 WEEKS.....	87,578	429
TOTAL.....	19,837,821	92,808
F05 Q56 - LOOKED FOR WORK IN PAST SIX MONTHS		
BLANK.....	12,017,882	54,557
YES.....	1,978,716	9,505
NO.....	5,841,224	28,746
NOT APPLICABLE.....	-	-
TOTAL.....	19,837,821	92,808
F05 Q57 - LOOKED FOR WORK IN PAST FOUR WEEKS		
YES.....	1,687,656	7,919
NO.....	18,150,165	84,889
TOTAL.....	19,837,821	92,808
F05 Q57 - METHODS USED IN JOB SEARCH: CONTACTED EMPLOYERS		
BLANK.....	12,164,311	54,806
YES.....	781,332	3,588
NO.....	6,892,178	34,414
TOTAL.....	19,837,821	92,808
F05 Q57 - METHODS USED IN JOB SEARCH: USED PUBLIC EMPLOYMENT AGENCY		
BLANK.....	12,164,311	54,806
YES.....	469,337	2,538
NO.....	7,204,172	35,464
TOTAL.....	19,837,821	92,808
F05 Q57 - METHODS USED IN JOB SEARCH: LOOKED AT ADS		
BLANK.....	12,164,311	54,806
YES.....	670,389	2,964
NO.....	7,003,121	35,038



ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
F05 Q57 - METHODS USED: USED OTHER METHODS		
BLANK.....	12,164,311	54,806
YES.....	255,712	1,089
NO.....	7,417,798	36,913
TOTAL.....	19,837,821	92,808
F05 Q58 - UP TO THE END OF LAST WEEK, WHAT WAS THE TOTAL NUMBER OF WEEKS SPENT LOOKING FOR WORK?		
BLANK.....	18,716,025	87,461
01 WEEK.....	53,868	273
02 WEEKS.....	98,908	516
03 WEEKS.....	101,941	475
04 WEEKS.....	106,989	509
05 WEEKS.....	30,247	159
06 WEEKS.....	52,160	263
07 WEEKS.....	44,993	214
08 WEEKS.....	86,087	339
09 WEEKS.....	20,448	117
10 WEEKS.....	44,748	198
11 WEEKS.....	32,229	192
12 WEEKS.....	45,511	209
13 WEEKS.....	15,491	65
14 WEEKS.....	20,111	86
15 WEEKS.....	12,988	70
16 WEEKS.....	22,045	120
17 WEEKS.....	6,335	38
18 WEEKS.....	17,226	72
19 WEEKS.....	6,751	44
20 WEEKS.....	32,180	154
21 WEEKS.....	8,005	40
22 WEEKS.....	13,794	53
23 WEEKS.....	7,162	35
24 WEEKS.....	23,101	88
25 WEEKS.....	6,245	22
26 WEEKS.....	8,995	49
27 WEEKS.....	4,790	22
28 WEEKS.....	12,007	50
29 WEEKS.....	8,649	33
30 WEEKS.....	10,043	48
31 WEEKS.....	1,497	12
32 WEEKS.....	9,172	34
33 WEEKS.....	5,084	28
34 WEEKS.....	2,752	16
35 WEEKS.....	3,545	18
36 WEEKS.....	5,458	27
37 WEEKS.....	5,602	18
38 WEEKS.....	3,040	12
39 WEEKS.....	131,598	629
TOTAL.....	19,837,821	92,808
F05 Q54 - WHAT WAS THE REASON FOR LEAVING LAST JOB		
BLANK.....	12,261,912	55,254
ILLNESS OR DISABILITY.....	367,520	1,798
PERSONAL OR FAMILY RESPONSIBILITIES.....	390,224	1,553
GOING TO SCHOOL.....	565,974	2,597
LOST JOB OR LAID OFF.....	1,294,249	7,323
RETIRED.....	563,736	2,724
OTHER REASONS.....	455,640	2,226
LAST WORKED MORE THAN 5 YEARS AGO.....	3,189,097	15,398
NEVER WORKED.....	749,470	3,935

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
F05 Q59 - ACTIVITY BEFORE STARTED LOOKING FOR WORK		
BLANK.....	18,716,025	87,461
WORKING.....	838,260	4,115
KEEPING HOUSE.....	119,068	542
SCHOOL.....	87,138	382
OTHER.....	77,331	308
TOTAL.....	19,837,821	92,808
F05 Q60-Q61 - TYPE OF WORK SOUGHT		
BLANK.....	18,716,025	87,461
FULL-TIME, PERMANENT.....	938,943	4,568
FULL-TIME, TEMPORARY.....	22,558	118
PART-TIME, PERMANENT.....	137,174	568
PART-TIME, TEMPORARY.....	23,122	93
TOTAL.....	19,837,821	92,808
F05 Q62 - REASONS FOR NOT LOOKING IN REFERENCE WEEK		
BLANK.....	19,546,761	91,222
ILLNESS OR PERSONAL RESPONSIBILITIES.....	48,959	231
AT SCHOOL.....	103,503	551
NO LONGER INTERESTED OR FOUND JOB.....	18,908	80
AWAITING RECALL OR REPLY.....	53,297	277
BELIEVES NO WORK AVAILABLE.....	44,920	333
OTHER REASONS.....	21,472	114
TOTAL.....	19,837,821	92,808
F05 Q63 - AVAILABILITY FOR WORK		
BLANK.....	18,424,965	85,875
NOT AVAILABLE; GOING TO SCHOOL.....	107,326	579
NOT AVAILABLE; OTHER REASONS.....	11,605	51
AVAILABLE.....	1,293,924	6,303
TOTAL.....	19,837,821	92,808
F05 Q80-Q82 - SCHOOL ENROLMENT		
BLANK.....	2,842,739	14,069
NOT ENROLLED.....	14,912,525	70,040
PRIMARY OR SECONDARY.....	537,318	2,478
UNIVERSITY, FULL-TIME.....	541,163	2,153
UNIVERSITY, PART-TIME.....	240,861	871
COMMUNITY COLLEGE, FULL-TIME.....	379,083	1,630
COMMUNITY COLLEGE, PART-TIME.....	248,521	991
OTHER, FULL-TIME.....	76,870	339
OTHER, PART-TIME.....	58,742	237
TOTAL.....	19,837,821	92,808
F05 - TYPE OF JOB (PRESENT OR PREVIOUS)		
FULL-TIME.....	13,157,813	60,422
PART-TIME.....	2,741,441	13,053
NOT APPLICABLE.....	3,938,567	19,333
TOTAL.....	19,837,821	92,808
LABOUR FORCE STATUS		
EMPLOYED.....	12,164,311	54,806
UNEMPLOYED.....	1,172,802	5,609
NOT IN LABOUR FORCE.....	6,500,708	32,393
TOTAL.....	19,837,821	92,808
F05 Q76 - CLASS OF WORKER		
PAID WORKER, PRIVATE.....	11,811,796	51,915
PAID WORKER, GOVERNMENT.....	2,559,530	12,918
EMPLOYER.....	366,545	1,968
OWN ACCOUNT.....	965,034	5,505
UNPAID FAMILY WORKER.....	79,337	560
NEVER WORKED.....	749,470	3,935
RESIDUE.....	3,306,109	16,007

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
F05 Q73-Q74 - TYPE OF INDUSTRY		
AGRICULTURE.....	513,465	3,918
OTHER PRIMARY.....	379,540	2,827
MANUFACTURING, NON-DURABLES.....	1,326,024	5,764
MANUFACTURING, DURABLES.....	1,225,184	4,872
CONSTRUCTION.....	1,074,498	5,026
TRANSPORTATION, ETC.....	1,131,913	5,143
WHOLESALE TRADE.....	660,288	2,740
RETAIL TRADE.....	2,142,770	9,733
FINANCE, ETC.....	894,825	3,211
COMMUNITY SERVICES.....	2,716,626	13,243
PERSONAL SERVICES.....	1,407,476	6,966
BUSINESS AND MISC. SERVICES.....	1,277,011	4,422
PUBLIC ADMINISTRATION.....	1,032,623	5,001
NEVER WORKED/PERMANENTLY UNABLE TO WORK.....	749,470	3,935
LAST WORKED MORE THAN 5 YEARS AGO.....	3,306,109	16,007
TOTAL.....	19,837,821	92,808
F05 Q75 - TYPE OF OCCUPATION		
OFFICIALS AND ADMINISTRATORS, GOVERNMENT.....	90,965	452
OTHER MANAGERS AND ADMINISTRATORS.....	1,238,487	4,874
MANAGEMENT AND ADMINISTRATION RELATED.....	549,320	1,929
PHYSICAL, LIFE SCIENCE.....	94,595	451
MATHEMATICS, STATISTICS, SYSTEMS ANALYSIS AND RELATED.....	157,683	464
ARCHITECTS AND ENGINEERS.....	190,214	609
ARCHITECTURE AND ENGINEERING RELATED.....	113,730	485
SOCIAL SCIENCE AND RELATED.....	317,270	1,312
RELIGION.....	37,753	234
UNIVERSITY AND RELATED.....	83,938	334
ELEMENTARY, SECONDARY AND RELATED.....	448,986	2,284
OTHER TEACHING AND RELATED.....	155,412	724
HEALTH DIAGNOSING AND TREATING.....	83,346	299
NURSING, THERAPY AND RELATED.....	509,037	2,569
MEDICINE AND HEALTH RELATED.....	148,403	683
ARTISTIC AND RECREATION.....	284,707	1,027
STENOGRAPHIC AND TYPING.....	556,152	2,399
BOOKKEEPING, ACCOUNT-RECORDING AND RELATED.....	811,052	3,573
OFFICE MACHINE AND EDP OPERATORS.....	155,797	514
MATERIAL RECORDING, SCHEDULING AND DISTRIBUTION.....	223,207	891
RECEPTION, INFORMATION, MAIL AND MESSAGE DISTRIBUTION.....	314,647	1,280
LIBRARY, FILING, CORRESPONDENCE, OTHER CLERICAL AND RELATED.....	575,652	2,347
SALES, COMMODITIES.....	1,205,582	5,271
SALES, SERVICES AND OTHER SALES.....	293,780	1,056
PROTECTIVE SERVICES.....	255,398	1,204
FOOD, BEVERAGE PREPARATION; RELATED LODGING AND ACCOMMODATION.....	895,647	4,445
PERSONAL, APPAREL AND FURNISHING SERVICE.....	502,384	2,683
OTHER SERVICE OCCUPATIONS.....	530,489	2,547
FARMERS AND FARM MANAGEMENT.....	289,062	2,313
OTHER FARMING, HORTICULTURE AND ANIMAL HUSBANDRY.....	289,551	1,798
FISHING, HUNTING, TRAPPING AND RELATED.....	61,097	698
FORESTRY AND LOGGING.....	89,937	671
MINING AND QUARRYING-INCLUDING GAS AND OIL FIELD.....	74,595	523
FOOD, BEVERAGE AND RELATED.....	242,045	1,551
OTHER PROCESSING OCCUPATIONS.....	266,372	1,344
METAL SHAPING AND FORMING OCCUPATIONS.....	160,445	719
OTHER MACHINING OCCUPATIONS.....	119,173	468
METAL PRODUCTS, N.E.C.....	178,899	718
ELECTRICAL, ELECTRONICS AND RELATED EQUIPMENT.....	175,137	680
TEXTILES, FURS AND LEATHER GOODS.....	205,343	689
WOOD PRODUCTS, RUBBER, PLASTICS AND OTHER RELATED.....	235,701	1,013
MECHANICS AND REPAIRMAN, EXCEPT ELECTRICAL.....	453,867	2,249
EXCAVATING, GRADING, PAVING AND RELATED.....	158,248	989
ELECTRICAL POWER, LIGHTING AND WIRE COMMUNICATIONS.....	147,136	738
OTHER CONSTRUCTION TRADES.....	706,251	3,476
MOTOR TRANSPORT OPERATORS.....	497,143	2,477
OTHER TRANSPORTATION OPERATORS.....	82,252	442

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
F05 Q75 - TYPE OF OCCUPATION		
MATERIAL HANDLING.....	346,239	1,513
OTHER CRAFTS AND EQUIPMENT OPERATORS.....	180,122	857
NEVER WORKED/PERMANENTLY UNABLE TO WORK.....	749,470	3,935
LAST WORKED MORE THAN 5 YEARS AGO.....	3,306,109	16,007
TOTAL.....	19,837,821	92,808
DURATION OF UNEMPLOYMENT		
BLANK.....	-	-
00 WEEKS.....	18,643,171	87,110
01 WEEK.....	81,867	399
02 WEEKS.....	113,198	584
03 WEEKS.....	111,874	529
04 WEEKS.....	112,071	539
05 WEEKS.....	32,571	172
06 WEEKS.....	53,741	274
07 WEEKS.....	45,607	217
08 WEEKS.....	87,151	348
09 WEEKS.....	21,250	122
10 WEEKS.....	45,130	200
11 WEEKS.....	32,608	193
12 WEEKS.....	45,744	211
13 WEEKS.....	15,764	67
14 WEEKS.....	20,111	86
15 WEEKS.....	15,298	76
16 WEEKS.....	22,173	121
17 WEEKS.....	6,823	40
18 WEEKS.....	18,489	77
19 WEEKS.....	6,820	45
20 WEEKS.....	32,306	155
21 WEEKS.....	8,005	40
22 WEEKS.....	14,030	55
23 WEEKS.....	7,162	35
24 WEEKS.....	25,319	89
25 WEEKS.....	6,409	23
26 WEEKS.....	9,414	51
27 WEEKS.....	4,790	22
28 WEEKS.....	12,007	50
29 WEEKS.....	8,649	33
30 WEEKS.....	10,317	50
31 WEEKS.....	1,497	12
32 WEEKS.....	9,172	34
33 WEEKS.....	5,084	28
34 WEEKS.....	2,752	16
35 WEEKS.....	3,545	18
36 WEEKS.....	5,458	27
37 WEEKS.....	5,602	18
38 WEEKS.....	3,040	12
39 WEEKS.....	2,525	5
40 WEEKS.....	9,929	37
41 WEEKS.....	1,096	7
42 WEEKS.....	5,016	24
43 WEEKS.....	2,881	13
44 WEEKS.....	5,196	31
45 WEEKS.....	687	7
46 WEEKS.....	7,157	36
47 WEEKS.....	1,229	10
48 WEEKS.....	3,579	22
49 WEEKS.....	2,396	9
50 WEEKS.....	8,007	39
51 WEEKS.....	1,608	4
52 WEEKS.....	12,655	71
53 WEEKS.....	67,840	315

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
JOB TENURE		
BLANK.....	7,575,909	37,554
1-6 MONTHS.....	2,003,246	9,478
7-12 MONTHS.....	913,692	3,910
1-5 YEARS.....	3,801,939	15,778
6-10 YEARS.....	1,858,205	8,330
11-20 YEARS.....	2,400,183	11,411
OVER 20 YEARS.....	1,284,648	6,347
TOTAL.....	19,837,821	92,808
DURATION OF JOBLESSNESS		
BLANK.....	13,011,382	59,189
0-1 MONTH.....	200,544	1,200
1-3 MONTHS.....	776,142	4,160
4-6 MONTHS.....	801,165	3,993
7-12 MONTHS.....	409,779	1,919
13-24 MONTHS.....	496,437	2,425
2-5 YEARS.....	889,542	4,180
6-10 YEARS.....	1,044,879	4,967
OVER 10 YEARS.....	2,207,951	10,775
TOTAL.....	19,837,821	92,808
DURATION OF PREVIOUS JOB		
BLANK.....	15,568,842	71,266
NEVER WORKED.....	749,470	3,935
1-3 MONTHS.....	821,682	4,539
4-6 MONTHS.....	597,867	3,373
7-12 MONTHS.....	336,659	1,689
1-5 YEARS.....	794,336	3,412
OVER 5 YEARS.....	968,965	4,594
TOTAL.....	19,837,821	92,808
FLOWS INTO UNEMPLOYMENT		
BLANK.....	18,665,019	87,199
JOB LOSERS.....	680,108	3,462
JOB LEAVERS.....	220,689	974
NEW ENTRANTS.....	16,357	64
RE-ENTRANTS-ONE YEAR OR LESS.....	133,724	587
RE-ENTRANTS-GREATER THAN 1 YEAR.....	121,925	522
TOTAL.....	19,837,821	92,808
AGE OF HEAD OF HOUSEHOLD		
15-16 YEARS.....	-	-
17-19 YEARS.....	123,021	560
20-24 YEARS.....	914,754	3,701
25-34 YEARS.....	4,046,879	18,466
35-44 YEARS.....	4,583,463	21,958
45-54 YEARS.....	3,928,365	17,892
55-64 YEARS.....	3,052,078	13,991
65-69 YEARS.....	1,157,202	5,765
70 YEARS AND OVER.....	2,032,061	10,475
TOTAL.....	19,837,821	92,808
AGE OF SPOUSE		
NO SPOUSE PRESENT.....		
15-16 YEARS.....	4,964,941	21,613
17-19 YEARS.....	814	4
20-24 YEARS.....	62,594	322
25-34 YEARS.....	646,924	3,072
35-44 YEARS.....	3,449,044	16,604
45-54 YEARS.....	4,052,037	19,794
55-64 YEARS.....	3,105,944	14,197
65-69 YEARS.....	2,032,532	9,744
70 YEARS AND OVER.....	723,999	3,475
TOTAL.....	798,991	3,983

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
SIZE OF FAMILY		
1 PERSON.....	3,123,227	13,210
2 PERSONS.....	5,859,421	27,617
3 PERSONS.....	3,946,347	18,422
4 PERSONS AND OVER.....	6,908,827	33,559
TOTAL.....	19,837,821	92,808
NUMBER OF OWN CHILDREN: AGES 0-2 YRS.		
NONE.....	17,824,442	83,506
1 CHILD.....	1,745,941	7,932
2 CHILDREN.....	261,898	1,329
3 OR MORE CHILDREN.....	5,541	41
TOTAL.....	19,837,821	92,808
NUMBER OF OWN CHILDREN: AGES 3-5 YRS.		
NONE.....	17,887,728	83,249
1 CHILD.....	1,714,272	8,369
2 CHILDREN.....	229,024	1,161
3 OR MORE CHILDREN.....	6,797	29
TOTAL.....	19,837,821	92,808
NUMBER OF OWN CHILDREN: AGES 6-15 YRS.		
NONE.....	14,911,668	67,720
1 CHILD.....	2,695,736	13,558
2 CHILDREN.....	1,722,765	8,760
3 CHILDREN.....	431,635	2,323
4 CHILDREN.....	66,269	377
5 OR MORE CHILDREN.....	9,748	70
TOTAL.....	19,837,821	92,808
NUMBER OF OWN CHILDREN: AGES 16-24 YRS.		
NONE.....	15,177,019	70,659
1 CHILD.....	2,918,178	14,083
2 CHILDREN.....	1,401,122	6,487
3 CHILDREN.....	293,802	1,316
4 CHILDREN.....	27,275	216
5 OR MORE CHILDREN.....	20,425	47
TOTAL.....	19,837,821	92,808
NUMBER OF OTHER CHILDREN: AGES 0-15 YRS.		
NONE.....	19,488,096	91,096
1 CHILD.....	235,625	1,251
2 CHILDREN.....	94,209	375
3 OR MORE CHILDREN.....	19,891	86
TOTAL.....	19,837,821	92,808
NUMBER OF OTHER CHILDREN: AGES 16-24 YRS.		
NONE.....	19,746,283	92,375
1 CHILD.....	69,133	366
2 CHILDREN.....	16,096	61
3 OR MORE CHILDREN.....	6,309	6
TOTAL.....	19,837,821	92,808
NUMBER OF CHILDREN AGES 16-24 ATTENDING SCHOOL		
NONE.....	16,318,354	76,545
1 CHILD.....	2,625,395	12,407
2 CHILDREN.....	770,047	3,387
3 CHILDREN.....	107,956	422
4 CHILDREN OR MORE.....	16,068	47

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
LABOUR FORCE STATUS OF HEAD OF HOUSEHOLD		
EMPLOYED FULL-TIME.....	12,748,112	58,035
EMPLOYED PART-TIME.....	746,597	3,248
UNEMPLOYED.....	996,753	4,827
NOT IN LABOUR FORCE.....	5,301,108	26,418
OUT OF SCOPE.....	45,252	280
TOTAL.....	19,837,821	92,808
LABOUR FORCE STATUS OF SPOUSE		
BLANK.....	4,964,941	21,613
EMPLOYED FULL-TIME.....	6,626,333	29,878
EMPLOYED PART-TIME.....	1,935,951	9,893
UNEMPLOYED.....	732,739	3,678
NOT IN LABOUR FORCE.....	5,574,390	27,719
OUT OF SCOPE.....	3,466	27
TOTAL.....	19,837,821	92,808
NUMBER OF EMPLOYED FAMILY MEMBERS		
0 PERSON.....	4,311,232	21,857
1 PERSON.....	6,154,200	28,525
2 PERSONS.....	6,769,237	31,358
3 PERSONS.....	1,825,630	8,062
4 PERSONS.....	631,150	2,513
5 PERSONS.....	129,497	410
6 PERSONS.....	16,875	83
7 PERSONS.....	-	-
8 PERSONS OR OVER.....	-	-
TOTAL.....	19,837,821	92,808
NUMBER OF UNEMPLOYED FAMILY MEMBERS		
0 PERSON.....	17,368,881	80,957
1 PERSON.....	2,168,455	10,255
2 PERSONS.....	243,636	1,415
3 PERSONS.....	55,039	169
4 PERSONS OR OVER.....	1,811	12
TOTAL.....	19,837,821	92,808
EDUCATION OF HEAD OF HOUSEHOLD		
0-8 YEARS.....	3,413,758	18,664
SOME SECONDARY EDUCATION.....	3,949,537	20,410
GRADUATED FROM HIGH SCHOOL.....	3,744,303	15,856
SOME POST SECONDARY.....	1,439,643	6,017
POST SECONDARY CERTIFICATE OR DIPLOMA.....	4,604,300	22,063
UNIVERSITY DEGREE.....	2,686,282	9,798
TOTAL.....	19,837,821	92,808
EDUCATION OF SPOUSE		
BLANK.....	4,964,941	21,613
0-8 YEARS.....	2,157,414	10,638
SOME SECONDARY EDUCATION.....	2,995,663	16,182
GRADUATED FROM HIGH SCHOOL.....	3,690,011	16,504
SOME POST SECONDARY.....	1,020,098	4,585
POST SECONDARY CERTIFICATE OR DIPLOMA.....	3,466,980	17,621
UNIVERSITY DEGREE.....	1,542,714	5,665
TOTAL.....	19,837,821	92,808
OCCUPATION OF HEAD OF HOUSEHOLD		
BLANK.....	45,252	280
MANAGERIAL, ADMINISTRATIVE.....	2,420,949	9,480
NATURAL SCIENCE.....	763,323	2,778
SOCIAL SCIENCE.....	294,983	1,185
RELIGION.....	59,245	354
TEACHING.....	598,217	2,937
MEDICINE.....	509,310	2,188
ARTISTIC.....	242,285	845
CLERICAL.....	1,521,333	5,751
SALES.....	1,406,045	5,632

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
<b>OCCUPATION OF HEAD OF HOUSEHOLD</b>		
SERVICE.....	1,714,715	7,702
FARMING.....	683,057	4,973
FISHING.....	97,357	1,094
FORESTRY.....	137,084	1,042
MINING.....	131,573	944
PROCESSING.....	645,261	3,406
MACHINING.....	431,844	1,911
FABRICATING.....	1,679,563	7,556
CONSTRUCTION.....	1,547,499	8,282
TRANSPORTATION.....	906,461	4,722
MATERIALS HANDLING.....	317,478	1,516
OTHER CRAFTS.....	248,977	1,234
NEVER WORKED BEFORE.....	276,083	1,505
LAST WORKED MORE THAN 5 YEARS AGO.....	2,665,540	12,691
PERMANENTLY UNABLE TO WORK.....	494,387	2,800
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>OCCUPATION OF SPOUSE</b>		
BLANK.....	4,968,407	21,640
MANAGERIAL, ADMINISTRATIVE.....	1,265,890	4,988
NATURAL SCIENCE.....	210,535	735
SOCIAL SCIENCE.....	240,639	1,040
RELIGION.....	11,221	52
TEACHING.....	740,188	3,642
MEDICINE.....	885,119	4,459
ARTISTIC.....	169,472	652
CLERICAL.....	2,865,498	13,245
SALES.....	1,072,344	4,840
SERVICE.....	1,757,774	9,620
FARMING.....	346,326	2,476
FISHING.....	19,169	221
FORESTRY.....	14,755	125
MINING.....	8,238	52
PROCESSING.....	269,003	1,781
MACHINING.....	74,780	268
FABRICATING.....	646,477	2,297
CONSTRUCTION.....	196,635	893
TRANSPORTATION.....	173,257	796
MATERIALS HANDLING.....	129,053	520
OTHER CRAFTS.....	62,117	297
NEVER WORKED BEFORE.....	734,501	3,939
LAST WORKED MORE THAN 5 YEARS AGO.....	2,776,589	13,206
PERMANENTLY UNABLE TO WORK.....	199,835	1,024
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>Q10 DURING PAST 12 MONTHS WAS ... FULL-TIME STUDENT AT COMMUNITY COLLEGE, CEGEP, TECHNICAL INSTITUTE OR UNIVERSITY?</b>		
YES.....	1,245,038	5,178
NO.....	18,586,889	87,610
NOT STATED.....	5,895	20
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>Q11 DURING PAST 12 MONTHS WAS ... FULL-TIME STUDENT AT TRADE/VOCATIONAL SCHOOL OR OTHER SIMILAR SCHOOL?</b>		
BLANK.....	1,245,038	5,178
YES.....	96,647	492
NO.....	18,485,705	87,088
NOT STATED.....	10,432	50



ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q12 DURING PAST 12 MONTHS DID ... TAKE A FULL- TIME PROGRAM FROM A COMMERCIAL TRAINING SCHOOL, UNION OR PROFESSIONAL ORGANIZATION?		
BLANK.....	1,341,685	5,670
YES.....	59,936	292
NO.....	18,425,769	86,796
NOT STATED.....	10,432	50
TOTAL.....	19,837,821	92,808
Q13 WHAT WAS FIELD OF STUDY OF FULL-TIME PROGRAM? (SEE LIST OF CODES)		
BLANK.....	18,425,769	86,796
000.....	-	-
001 EDUCATION - GENERAL.....	43,868	229
002 ELEMENTARY - PRIMARY EDUCATION.....	15,213	73
003 SECONDARY EDUCATION.....	8,590	57
004 SPECIAL EDUCATION.....	5,186	18
005 NON-TEACHING EDUC./COUNSELLING/DEVELOPMENT.....	13,149	77
006 PHYSICAL EDUCATION, HEALTH AND RECREATION.....	27,252	107
007 OTHER EDUCATION.....	290	2
008 FINE ARTS.....	16,552	51
009 MUSIC.....	11,882	50
010 OTHER PERFORMING ARTS.....	2,554	14
011 COMMERCIAL/PROMOTIONAL/GRAPHIC ARTS ETC. ....	13,413	40
012 CREATIVE AND DESIGN ARTS.....	7,815	28
013 OTHER APPLIED ARTS.....	13,407	81
014 CLASSICS/ CLASSICAL & DEAD LANGUAGES.....	492	3
015 HISTORY.....	21,585	77
016 LIBRARY AND RECORDS SCIENCE.....	2,796	14
017 MASS MEDIA STUDIES.....	13,945	45
018 ENGLISH, FRENCH & OTHER LANGUAGES.....	43,442	128
019 PHILOSOPHY.....	1,425	8
020 RELIGIOUS STUDIES.....	11,972	53
021 OTHER HUMANITIES AND RELATED FIELDS.....	76,932	274
022 ANTHROPOLOGY.....	4,237	15
023 ARCHAEOLOGY.....	-	-
024 AREA STUDIES.....	1,071	5
025 ECONOMICS.....	21,559	62
026 GEOGRAPHY.....	8,977	38
027 LAW AND JURISPRUDENCE.....	17,356	64
028 MAN/ENVIRONMENT STUDIES.....	3,957	18
029 POLITICAL SCIENCE.....	19,968	53
030 PSYCHOLOGY.....	39,231	160
031 SOCIOLOGY.....	19,038	72
032 SOCIAL WORK AND SOCIAL SERVICES.....	47,590	203
033 WAR & MILITARY STUDIES.....	-	-
034 OTHER SOCIAL SCIENCES & RELATED FIELDS .....	26,492	88
035 BUSINESS AND COMMERCE.....	100,578	406
036 FINANCIAL MANAGEMENT.....	57,835	223
037 INDUSTRIAL MANAGEMENT & ADMINISTRATION.....	46,054	156
038 INSTITUTIONAL MANAGEMENT AND ADMINISTRATION.....	10,113	43
039 MARKETING, MERCHANDISING, RETAILING & SALES.....	17,527	70
040 SECRETARIAL SCIENCE - GENERAL FIELDS.....	51,079	274
041 AGRICULTURAL SCIENCE AND TECHNOLOGY.....	8,779	50
042 ANIMAL SCIENCE TECHNOLOGIES.....	2,256	14
043 BIOCHEMISTRY, BIOLOGY AND BIOPHYSICS.....	27,765	105
044 BOTANY.....	-	-
045 HOUSEHOLD SCIENCE AND RELATED FIELDS.....	13,825	71
046 VETERINARY MEDICINE/SCIENCE.....	1,751	17
047 ZOOLOGY.....	2,732	13
048 OTHER AGRICULTURAL/BIOLOGICAL TECHNOLOGIES.....	3,241	19
049 ARCHITECTURE AND ARCHITECTURAL ENGINEERING.....	8,396	28
050 AERONAUTICAL AND AEROSPACE ENGINEERING.....	-	-
051 BIOLOGICAL AND CHEMICAL ENGINEERING.....	4,127	14
052 CIVIL ENGINEERING.....	14,562	50
053 DESIGN/SYSTEMS ENGINEERING.....	-	-
054 ELECTRICAL/ELECTRONIC ENGINEERING.....	14,393	52

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
Q13 WHAT WAS FIELD OF STUDY OF FULL-TIME PROGRAM? (SEE LIST OF CODES)		
055 INDUSTRIAL ENGINEERING.....	2,016	7
056 MECHANICAL ENGINEERING.....	9,799	40
057 MINING METALLURGICAL AND PETROLEUM ENGINEERING.....	884	7
058 RESOURCES AND ENVIRONMENTAL ENGINEERING.....	1,144	6
059 ENGINEERING SCIENCE AND ENGINEERING.....	15,812	56
060 FORESTRY.....	4,172	25
061 LANDSCAPE ARCHITECTURE.....	2,299	8
062 ARCHITECTURAL TECHNOLOGY.....	3,631	15
063 CHEMICAL TECHNOLOGY.....	2,015	7
064 BUILDING TECHNOLOGIES.....	27,569	173
065 DATA PROCESSING & COMPUTER SCIENCE TECHNOLOGIES.....	40,260	174
066 ELECTRONIC AND ELECTRICAL TECHNOLOGIES.....	17,692	90
067 ENVIRONMENTAL AND CONSERVATION TECHNOLOGIES.....	4,968	15
068 GENERAL AND CIVIL ENGINEERING TECHNOLOGIES.....	8,392	42
069 INDUSTRIAL ENGINEERING TECHNOLOGIES.....	13,078	68
070 MECHANICAL ENGINEERING TECHNOLOGIES.....	26,038	122
071 PRIMARY INDUSTRIES/RESOURCE TECHNOLOGIES.....	3,052	19
072 TRANSPORTATION TECHNOLOGIES.....	7,087	48
073 OTHER ENGINEERING/APPLIED SCIENCE TECHNOLOGIES.....	6,073	27
074 DENTISTRY.....	1,554	3
075 MEDICINE - GENERAL & BASIC.....	9,818	32
076 MEDICAL SPECIALIZATION.....	3,344	9
077 PARACLINICAL SCIENCES.....	1,275	2
078 SURGERY & SURGICAL SPECIALIZATIONS.....	1,963	6
079 NURSING AND NURSING ASSISTANCE.....	49,428	284
080 OPTOMETRY.....	662	5
081 PHARMACY & PHARMACEUTICAL SCIENCES.....	5,684	24
082 PUBLIC HEALTH.....	1,533	4
083 REHABILITATION MEDICINE.....	6,142	29
084 MEDICAL LAB. & DIAGNOSTIC/MEDICAL TECHNOLOGIES.....	11,590	49
085 MEDICAL EQUIPMENT AND PROSTHETICS.....	-	-
086 OTHER HEALTH PROF. SCIENCES & TECHNOLOGIES.....	8,541	33
087 ACTUARIAL SCIENCE.....	-	-
088 APPLIED MATHEMATICS.....	13,155	51
089 CHEMISTRY.....	7,852	28
090 GEOLOGY & RELATED FIELDS.....	3,617	14
091 MATHEMATICAL STATS. & MATHEMATICS.....	9,884	41
092 METALLURGY AND MATERIAL SCIENCE.....	-	-
093 METEOROLOGY.....	-	-
094 OCEANOGRAPHY & MARINE SCIENCES.....	-	-
095 PHYSICS.....	4,551	13
096 GENERAL SCIENCE.....	35,551	146
097 ALL OTHER N.E.C./NO SPECIALIZATION.....	20,993	108
098 UPGRADING.....	42,587	229
099 PERSONAL DEVELOPMENT.....	5,656	28
100 RECREATIONAL ACTIVITY.....	404	3
DID NOT KNOW.....	1,348	4
NOT STATED.....	22,690	106
TOTAL.....	19,837,821	92,808
Q14 USUAL TIME REQUIRED TO COMPLETE THIS PROGRAM, IN YEARS		
NOT APPLICABLE.....	18,425,769	86,796
LESS THAN ONE YEAR.....	224,282	1,181
1 YEAR.....	101,772	521
2 YEARS.....	259,273	1,026
3 YEARS.....	332,320	1,201
4 YEARS.....	374,577	1,553
5 YEARS.....	73,583	302
6 YEARS.....	9,184	51
7 YEARS.....	5,569	33
NOT STATED.....	31,490	144

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q15 IS ... STILL TAKING THIS PROGRAM?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	1,029,656	4,204
NO.....	361,975	1,718
NOT STATED.....	20,421	90
TOTAL.....	19,837,821	92,808
Q16 DID ... SUCCESSFULLY COMPLETE THIS PROGRAM?		
NOT APPLICABLE.....	19,455,425	91,000
YES.....	272,896	1,296
NO.....	86,926	417
NOT STATED.....	22,574	95
TOTAL.....	19,837,821	92,808
Q17 EXCLUDING SUMMER JOBS, WAS ... EMPLOYED WHILE TAKING THIS PROGRAM?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	597,736	2,283
NO.....	794,204	3,640
NOT STATED.....	20,113	89
TOTAL.....	19,837,821	92,808
Q18 WHEN ... WAS ENROLLED IN THIS PROGRAM, HOW MANY PERSONS WERE EMPLOYED AT LOCATION WHERE ... WORKED?		
NOT APPLICABLE.....	19,219,973	90,436
LESS THAN 20.....	246,410	1,010
20 TO 99.....	172,943	654
100 TO 499.....	75,559	255
500 AND OVER.....	66,778	205
DO NOT KNOW.....	30,096	125
NOT STATED.....	26,063	123
TOTAL.....	19,837,821	92,808
Q19 DID ...'S EMPLOYER OPERATE AT MORE THAN ONE LOCATION IN CANADA?		
NOT APPLICABLE.....	19,316,847	90,766
YES.....	256,342	946
NO.....	234,265	956
NOT STATED.....	30,367	140
TOTAL.....	19,837,821	92,808
Q20 ABOUT HOW MANY PERSONS WERE EMPLOYED AT ALL LOCATIONS IN CANADA?		
NOT APPLICABLE.....	19,551,112	91,722
LESS THAN 20.....	7,069	30
20 TO 99.....	14,514	60
100 TO 499.....	30,325	96
500 AND OVER.....	140,282	470
DO NOT KNOW.....	63,365	287
NOT STATED.....	31,154	143
TOTAL.....	19,837,821	92,808
Q21 HOW LONG HAD ... BEEN WORKING FOR THIS EMPLOYER?		
NOT APPLICABLE.....	19,219,973	90,436
LESS THAN ONE YEAR.....	250,326	955
01 YEAR.....	96,450	361
02 YEARS.....	89,763	296
03 YEARS.....	46,769	174
04 YEARS.....	20,217	90
05 YEARS.....	17,017	63
06 TO 10 YEARS.....	30,033	126
11 TO 15 YEARS.....	12,077	72
16 TO 20 YEARS.....	8,873	41
21 YEARS AND OVER.....	2,325	16
NOT STATED.....	43,997	178

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q22A WHO PAID FEE OR TUITION FOR THIS PROGRAM: EMPLOYER?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	48,702	231
NO.....	1,338,528	5,675
NOT STATED.....	24,822	106
TOTAL.....	19,837,821	92,808
Q22B WHO PAID FEE OR TUITION FOR THIS PROGRAM: SELF OR FAMILY?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	1,118,273	4,548
NO.....	268,957	1,358
NOT STATED.....	24,822	106
TOTAL.....	19,837,821	92,808
Q22C WHO PAID FEE OR TUITION FOR THIS PROGRAM: UNION OR PROFESSIONAL ORGANIZATION?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	8,668	31
NO.....	1,378,561	5,875
NOT STATED.....	24,822	106
TOTAL.....	19,837,821	92,808
Q22D WHO PAID FEE OR TUITION FOR THIS PROGRAM: VOLUNTARY ORGANIZATION?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	5,483	17
NO.....	1,381,747	5,889
NOT STATED.....	24,822	106
TOTAL.....	19,837,821	92,808
Q22E WHO PAID FEE OR TUITION FOR THIS PROGRAM: GOVERNMENT?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	229,553	1,162
NO.....	1,157,677	4,744
NOT STATED.....	24,822	106
TOTAL.....	19,837,821	92,808
Q22F WHO PAID FEE OR TUITION FOR THIS PROGRAM: SOME OTHER PERSON OR ORGANIZATION?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	47,630	202
NO.....	1,339,600	5,704
NOT STATED.....	24,822	106
TOTAL.....	19,837,821	92,808
Q22G WHO PAID FEE OR TUITION FOR THIS PROGRAM: NO FEE?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	19,520	94
NO.....	1,367,710	5,812
NOT STATED.....	24,822	106
TOTAL.....	19,837,821	92,808
Q22H WHO PAID FEE OR TUITION FOR THIS PROGRAM: DO NOT KNOW?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	4,791	15
NO.....	1,382,439	5,891
NOT STATED.....	24,822	106

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q23 EXCLUDING FEES OR TUITION, DID ... RECEIVE ANY OTHER TYPES OF FINANCIAL ASSISTANCE?		
NOT APPLICABLE.....	18,425,769	86,796
YES.....	403,834	1,913
NO.....	997,786	4,049
NOT STATED.....	10,432	50
TOTAL.....	19,837,821	92,808
Q24A WHO PROVIDED THIS ASSISTANCE: EMPLOYER?		
NOT APPLICABLE.....	19,423,555	90,845
YES.....	31,496	145
NO.....	369,187	1,748
NOT STATED.....	13,582	70
TOTAL.....	19,837,821	92,808
Q24B WHO PROVIDED THIS ASSISTANCE: FAMILY?		
NOT APPLICABLE.....	19,423,555	90,845
YES.....	30,736	167
NO.....	369,948	1,726
NOT STATED.....	13,582	70
TOTAL.....	19,837,821	92,808
Q24C WHO PAID FOR THIS ASSISTANCE: UNION OR PROFESSIONAL ORGANIZATION?		
NOT APPLICABLE.....	19,423,555	90,845
YES.....	11,110	62
NO.....	389,573	1,831
NOT STATED.....	13,582	70
TOTAL.....	19,837,821	92,808
Q24D WHO PAID FOR THIS ASSISTANCE: VOLUNTARY ORGANIZATION?		
NOT APPLICABLE.....	19,423,555	90,845
YES.....	8,934	54
NO.....	391,749	1,839
NOT STATED.....	13,582	70
TOTAL.....	19,837,821	92,808
Q24E WHO PAID FOR THIS ASSISTANCE: GOVERNMENT?		
NOT APPLICABLE.....	19,423,555	90,845
YES.....	292,073	1,358
NO.....	108,611	535
NOT STATED.....	13,582	70
TOTAL.....	19,837,821	92,808
Q24F WHO PAID FOR THIS ASSISTANCE: OTHER?		
NOT APPLICABLE.....	19,423,555	90,845
YES.....	57,828	257
NO.....	342,856	1,636
NOT STATED.....	13,582	70
TOTAL.....	19,837,821	92,808
Q24G WHO PAID FOR THIS ASSISTANCE: DO NOT KNOW?		
NOT APPLICABLE.....	19,423,555	90,845
YES.....	1,372	9
NO.....	399,311	1,884
NOT STATED.....	13,582	70

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q25 WHERE WAS THIS PROGRAM TAKEN?		
NOT APPLICABLE.....	18,425,769	86,796
UNIVERSITY.....	682,797	2,688
COLLEGE (COMMUNITY, CEGEP, TECHNICAL INSTITUTE).....	516,137	2,322
VOCATIONAL OR TRADE SCHOOL.....	82,666	401
PRIVATE OR COMMERCIAL SCHOOL.....	51,020	233
WORK.....	7,203	43
OTHER.....	44,025	205
DO NOT KNOW.....	419	3
NOT STATED.....	27,784	117
TOTAL.....	19,837,821	92,808
Q26 WHAT WAS THE MOST IMPORTANT REASON WHY ... TOOK THIS PROGRAM?		
NOT APPLICABLE.....	18,425,769	86,796
IMPROVE JOB OPPORTUNITIES OR FOR CAREER DEVELOPMENT.....	1,172,685	4,987
PERSONAL INTEREST.....	106,029	406
INCREASE EARNINGS.....	20,038	91
IMPROVE JOB RELATED SKILLS.....	88,227	418
NOT STATED.....	25,073	110
TOTAL.....	19,837,821	92,808
Q27 DURING 6 MONTHS PRIOR TO ENTERING PROGRAM ... WAS MAINLY?		
NOT APPLICABLE.....	18,425,769	86,796
WITHOUT A JOB BUT ACTIVELY LOOKING FOR WORK.....	100,584	543
EMPLOYED FULL-TIME (MORE THAN 30HRS/WK).....	349,578	1,533
EMPLOYED PART-TIME.....	148,490	713
WITHOUT A JOB AND NOT LOOKING FOR WORK.....	60,882	292
STUDENT.....	723,572	2,810
NOT STATED.....	28,946	121
TOTAL.....	19,837,821	92,808
Q28 DURING THE PAST 12 MONTHS WAS ... REGISTERED IN A FULL-TIME APPRENTICESHIP PROGRAM WHICH LASTED MORE THAN 1 MONTH?		
YES.....	92,555	454
NO.....	19,711,423	92,234
NOT STATED.....	33,843	120
TOTAL.....	19,837,821	92,808
Q30 WHILE ... WAS ENROLLED IN APPRENTICESHIP PROGRAM, HOW MANY PERSONS WERE EMPLOYED AT LOCATION WHERE ... WORKED?		
NOT APPLICABLE.....	19,711,423	92,234
LESS THAN 20.....	45,072	236
20 TO 99.....	21,715	104
100 TO 499.....	10,181	45
500 AND OVER.....	7,272	33
DO NOT KNOW.....	5,560	24
NOT STATED.....	36,597	132
TOTAL.....	19,837,821	92,808
Q31 DID ...'S EMPLOYER OPERATE AT MORE THAN ONE LOCATION IN CANADA?		
NOT APPLICABLE.....	19,724,256	92,291
YES.....	29,133	132
NO.....	45,463	244
NOT STATED.....	38,969	141

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q32 ABOUT HOW MANY PERSONS WERE EMPLOYED AT ALL LOCATIONS IN CANADA?		
NOT APPLICABLE.....	19,769,719	92,535
LESS THAN 20.....	711	5
20 TO 99.....	4,300	15
100 TO 499.....	3,600	21
500 AND OVER.....	12,205	48
DO NOT KNOW.....	8,318	43
NOT STATED.....	38,969	141
TOTAL.....	19,837,821	92,808
Q33 WHEN STARTED PROGRAM, HOW LONG HAD ... BEEN WORKING FOR THIS EMPLOYER?		
NOT APPLICABLE.....	19,711,423	92,234
LESS THAN ONE YEAR.....	47,050	245
01 YEAR.....	15,150	66
02 YEARS.....	6,386	32
03 YEARS.....	7,584	28
04 YEARS.....	3,317	17
05 YEARS.....	1,349	10
06 TO 10 YEARS.....	3,877	22
11 TO 15 YEARS.....	2,618	12
16 TO 20 YEARS.....	355	2
21 YEARS AND OVER.....	167	2
NOT STATED.....	38,545	138
TOTAL.....	19,837,821	92,808
Q34 INTERVIEWER CHECK ITEM - Q22 OR Q24 MARKED "EMPLOYER"?		
YES.....	56,497	272
NO (OTHERWISE).....	19,781,324	92,536
TOTAL.....	19,837,821	92,808
Q35 EXCLUDING APPRENTICESHIP TRAINING, DID ... TAKE FULL-TIME TRAINING ORGANIZED OR PROVIDED BY EMPLOYER?		
BLANK.....	56,497	272
YES.....	80,054	362
NO.....	19,447,813	91,014
NOT STATED.....	253,457	1,160
TOTAL.....	19,837,821	92,808
Q37 WHERE WAS THIS PROGRAM TAKEN?		
NOT APPLICABLE.....	19,504,311	91,286
UNIVERSITY.....	6,415	21
COLLEGE (COMMUNITY, CEGEP, TECHNICAL INSTITUTE).....	7,613	37
VOCATIONAL OR TRADE SCHOOL.....	2,022	10
PRIVATE OR COMMERCIAL SCHOOL.....	4,728	22
WORK.....	45,944	209
OTHER.....	10,819	54
DO NOT KNOW.....	65	1
NOT STATED.....	255,905	1,168
TOTAL.....	19,837,821	92,808
Q38 HOW MANY HOURS OF INSTRUCTION WERE THERE EACH WEEK FOR THIS COURSE OR PROGRAM?		
NOT APPLICABLE.....	19,504,311	91,286
01 HOUR.....	246	3
02 HOURS.....	992	7
03 HOURS.....	7,937	28
04 HOURS.....	4,728	21
05 HOURS.....	1,159	7
06 HOURS.....	4,020	17
07 HOURS.....	942	6
08 HOURS.....	5,718	29
09 HOURS.....	154	1
10 HOURS.....	2,125	13
11 HOURS.....	-	-

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
<b>Q38 HOW MANY HOURS OF INSTRUCTION WERE THERE EACH WEEK FOR THIS COURSE OR PROGRAM?</b>		
12 HOURS.....	1,619	6
13 HOURS.....	-	-
14 HOURS.....	286	2
15 HOURS.....	2,071	4
16 HOURS.....	761	6
17 HOURS.....	-	-
18 HOURS.....	63	1
19 HOURS.....	147	1
20 HOURS.....	1,190	7
21 HOURS.....	-	-
22 HOURS.....	-	-
23 HOURS.....	-	-
24 HOURS.....	1,665	6
25 HOURS.....	1,234	5
26 HOURS.....	-	-
27 HOURS.....	-	-
28 HOURS.....	117	1
29 HOURS.....	-	-
30 HOURS.....	3,362	14
31 HOURS.....	-	-
32 HOURS.....	522	4
33 HOURS.....	-	-
34 HOURS.....	-	-
35 HOURS.....	5,824	20
36 HOURS.....	-	-
37 HOURS.....	358	3
38 HOURS.....	3,620	17
39 HOURS.....	-	-
40 HOURS.....	19,553	102
41 OR MORE.....	4,167	14
NOT STATED.....	258,927	1,177
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>Q39 HOW MANY WEEKS DID THIS COURSE OR PROGRAM LAST?</b>		
NOT APPLICABLE.....	19,504,311	91,286
01 WEEK.....	8,398	37
02 WEEKS.....	1,259	8
03 WEEKS.....	975	7
04 WEEKS.....	14,137	58
05 WEEKS.....	4,505	18
06 WEEKS.....	10,451	38
07 WEEKS.....	2,160	7
08 WEEKS.....	4,941	24
09 WEEKS.....	826	3
10 WEEKS.....	4,984	22
11 WEEKS.....	-	-
12 WEEKS.....	7,022	37
13 WEEKS.....	1,453	6
14 WEEKS.....	563	2
15 WEEKS.....	1,972	5
16 WEEKS.....	2,188	14
17 WEEKS.....	362	2
18 WEEKS.....	-	-
19 WEEKS.....	-	-
20 WEEKS.....	2,089	13
21 WEEKS.....	188	1
22 WEEKS.....	78	1
23 WEEKS.....	-	-
24 WEEKS.....	1,112	5
25 WEEKS.....	47	1
26 WEEKS.....	927	6
27 WEEKS.....	-	-
28 WEEKS.....	56	1
29 WEEKS.....	-	-
30 WEEKS.....	591	4
31 WEEKS.....	-	-
32 WEEKS.....	373	3



ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
<b>Q39 HOW MANY WEEKS DID THIS COURSE OR PROGRAM LAST?</b>		
33 WEEKS.....	683	1
34 WEEKS.....	41	1
35 WEEKS.....	-	-
36 WEEKS.....	105	1
37 WEEKS.....	-	-
38 WEEKS.....	-	-
39 WEEKS.....	387	2
40 WEEKS.....	-	-
41 WEEKS.....	-	-
42 WEEKS.....	36	1
43 WEEKS.....	-	-
44 WEEKS.....	-	-
45 WEEKS.....	-	-
46 WEEKS.....	-	-
47 WEEKS.....	-	-
48 WEEKS.....	-	-
49 WEEKS.....	-	-
50 WEEKS.....	65	1
51 WEEKS.....	-	-
52 WEEKS.....	1,978	9
NOT STATED.....	258,558	1,183
TOTAL.....	19,837,821	92,808
<b>Q40 IS ... STILL TAKING THIS COURSE OR PROGRAM?</b>		
NOT APPLICABLE.....	19,504,311	91,286
YES.....	17,877	87
NO.....	59,582	266
NOT STATED.....	256,051	1,169
TOTAL.....	19,837,821	92,808
<b>Q41 DID ... SUCCESSFULLY COMPLETE THIS COURSE OR PROGRAM?</b>		
NOT APPLICABLE.....	19,522,188	91,373
YES.....	56,877	251
NO.....	2,438	14
NOT STATED.....	256,318	1,170
TOTAL.....	19,837,821	92,808
<b>Q42 WHILE ... WAS ENROLLED IN THIS COURSE OR PROGRAM, HOW MANY PERSONS WERE EMPLOYED AT LOCATION WHERE ... WORKED?</b>		
NOT APPLICABLE.....	19,504,311	91,286
LESS THAN 20.....	19,318	113
20 TO 99.....	20,004	87
100 TO 499.....	16,889	64
500 AND OVER.....	17,253	68
DO NOT KNOW.....	3,942	20
NOT STATED.....	256,104	1,170
TOTAL.....	19,837,821	92,808
<b>Q43 DID ...'S EMPLOYER OPERATE AT MORE THAN ONE LOCATION IN CANADA?</b>		
NOT APPLICABLE.....	19,525,506	91,374
YES.....	42,945	180
NO.....	13,266	84
NOT STATED.....	256,104	1,170
TOTAL.....	19,837,821	92,808
<b>Q44 ABOUT HOW MANY PERSONS WERE EMPLOYED AT ALL LOCATIONS IN CANADA?</b>		
NOT APPLICABLE.....	19,538,772	91,458
LESS THAN 20.....	305	2
20 TO 99.....	3,408	12
100 TO 499.....	5,765	26
500 AND OVER.....	26,090	96
DO NOT KNOW.....	7,257	43
NOT STATED.....	256,224	1,171

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q45 WHEN ... TOOK THIS COURSE OR PROGRAM, HOW LONG HAD ... BEEN WORKING FOR THIS EMPLOYER?		
NOT APPLICABLE.....	19,504,311	91,286
LESS THAN ONE YEAR.....	19,304	102
01 YEAR.....	6,992	29
02 YEARS.....	4,462	20
03 YEARS.....	4,510	22
04 YEARS.....	3,707	19
05 YEARS.....	1,454	9
06 TO 10 YEARS.....	14,361	53
11 TO 15 YEARS.....	10,693	45
16 TO 20 YEARS.....	4,990	26
21 YEARS AND OVER.....	6,206	23
NOT STATED.....	256,832	1,174
TOTAL.....	19,837,821	92,808
Q46A DURING PAST 12 MONTHS, DID ... TAKE ANY SHORT-TERM, FULL-TIME COURSES WHICH LASTED LESS THAN ONE MONTH?		
YES.....	956,246	4,357
NO.....	18,855,942	88,331
NOT STATED.....	25,633	120
TOTAL.....	19,837,821	92,808
Q46ANUM HOW MANY SHORT-TERM, FULL-TIME COURSES DID ... TAKE?		
NOT APPLICABLE.....	18,855,942	88,331
1 COURSE.....	561,667	2,568
2 COURSES.....	165,877	747
3 COURSES.....	89,653	403
4 COURSES.....	45,395	194
5 COURSES.....	19,494	96
6 COURSES.....	15,052	69
7 OR MORE COURSES.....	15,704	72
NOT STATED.....	69,037	328
TOTAL.....	19,837,821	92,808
Q46B DURING PAST 12 MONTHS DID ... TAKE ANY COURSES PART-TIME?		
BLANK.....	18,855,942	88,331
YES.....	257,650	1,227
NO.....	655,755	2,924
NOT STATED.....	68,474	326
TOTAL.....	19,837,821	92,808
Q47 DURING PAST 12 MONTHS, DID ... TAKE ANY COURSES PART-TIME?		
NOT APPLICABLE.....	956,246	4,357
YES.....	2,232,470	9,172
NO.....	16,620,275	79,144
NOT STATED.....	28,830	135
TOTAL.....	19,837,821	92,808
Q47NUM HOW MANY PART-TIME COURSES DID ... TAKE?		
NOT APPLICABLE.....	17,276,029	82,068
1 COURSE.....	1,678,637	7,117
2 COURSES.....	391,557	1,631
3 COURSES.....	180,579	688
4 COURSES.....	74,473	295
5 COURSES.....	40,027	142
6 COURSES.....	26,254	112
7 OR MORE COURSES.....	30,741	126
NOT STATED.....	139,525	629

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q48 WHAT WAS THE FIELD OF STUDY OF LAST SHORT-TERM OR PART-TIME TRAINING OR EDUCATIONAL COURSE?		
BLANK.....	16,620,275	79,144
000.....	-	-
001 EDUCATION - GENERAL.....	17,403	93
002 ELEMENTARY - PRIMARY EDUCATION.....	17,062	70
003 SECONDARY EDUCATION.....	21,252	96
004 SPECIAL EDUCATION.....	10,286	49
005 NON-TEACHING EDUC./COUNSELLING/DEVELOPMENT.....	33,135	178
006 PHYSICAL EDUCATION, HEALTH AND RECREATION.....	22,467	108
007 OTHER EDUCATION.....	2,612	12
008 FINE ARTS.....	43,369	186
009 MUSIC.....	26,942	87
010 OTHER PERFORMING ARTS.....	26,894	95
011 COMMERCIAL/PROMOTIONAL/GRAPHIC ARTS ETC. ....	25,950	100
012 CREATIVE AND DESIGN ARTS.....	47,893	230
013 OTHER APPLIED ARTS.....	16,051	82
014 CLASSICS/ CLASSICAL & DEAD LANGUAGES.....	979	5
015 HISTORY.....	13,366	60
016 LIBRARY AND RECORDS SCIENCE.....	9,409	33
017 MASS MEDIA STUDIES.....	12,986	56
018 ENGLISH, FRENCH & OTHER LANGUAGES.....	92,989	354
019 PHILOSOPHY.....	3,477	17
020 RELIGIOUS STUDIES.....	24,462	117
021 OTHER HUMANITIES AND RELATED FIELDS.....	146,771	466
022 ANTHROPOLOGY.....	2,633	13
023 ARCHAEOLOGY.....	-	-
024 AREA STUDIES.....	1,135	8
025 ECONOMICS.....	17,156	56
026 GEOGRAPHY.....	4,934	21
027 LAW AND JURISPRUDENCE.....	30,284	105
028 MAN/ENVIRONMENT STUDIES.....	8,066	26
029 POLITICAL SCIENCE.....	6,898	18
030 PSYCHOLOGY.....	37,719	162
031 SOCIOLOGY.....	17,565	66
032 SOCIAL WORK AND SOCIAL SERVICES.....	82,793	418
033 WAR & MILITARY STUDIES.....	-	-
034 OTHER SOCIAL SCIENCES & RELATED FIELDS .....	7,446	26
035 BUSINESS AND COMMERCE.....	120,741	492
036 FINANCIAL MANAGEMENT.....	215,948	847
037 INDUSTRIAL MANAGEMENT & ADMINISTRATION.....	106,328	426
038 INSTITUTIONAL MANAGEMENT AND ADMINISTRATION.....	16,442	74
039 MARKETING, MERCHANDISING, RETAILING & SALES.....	112,435	409
040 SECRETARIAL SCIENCE - GENERAL FIELDS.....	156,600	671
041 AGRICULTURAL SCIENCE AND TECHNOLOGY.....	29,410	152
042 ANIMAL SCIENCE TECHNOLOGIES.....	7,406	25
043 BIOCHEMISTRY, BIOLOGY AND BIOPHYSICS.....	9,277	42
044 BOTANY.....	520	4
045 HOUSEHOLD SCIENCE AND RELATED FIELDS.....	47,683	213
046 VETERINARY MEDICINE/SCIENCE.....	-	-
047 ZOOLOGY.....	2,300	12
048 OTHER AGRICULTURAL/BIOLOGICAL TECHNOLOGIES.....	4,115	24
049 ARCHITECTURE AND ARCHITECTURAL ENGINEERING.....	2,142	7
050 AERONAUTICAL AND AEROSPACE ENGINEERING.....	-	-
051 BIOLOGICAL AND CHEMICAL ENGINEERING.....	585	4
052 CIVIL ENGINEERING.....	4,128	14
053 DESIGN/SYSTEMS ENGINEERING.....	4,577	13
054 ELECTRICAL/ELECTRONIC ENGINEERING.....	5,889	13
055 INDUSTRIAL ENGINEERING.....	-	-
056 MECHANICAL ENGINEERING.....	4,695	22
057 MINING METALLURGICAL AND PETROLEUM ENGINEERING.....	387	1
058 RESOURCES AND ENVIRONMENTAL ENGINEERING.....	2,665	5
059 ENGINEERING SCIENCE AND ENGINEERING.....	3,897	14
060 FORESTRY.....	1,426	10
061 LANDSCAPE ARCHITECTURE.....	4,884	22
062 ARCHITECTURAL TECHNOLOGY.....	1,674	5
063 CHEMICAL TECHNOLOGY.....	1,976	7

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
Q48 WHAT WAS THE FIELD OF STUDY OF LAST SHORT-TERM OR PART-TIME TRAINING OR EDUCATIONAL COURSE?		
064 BUILDING TECHNOLOGIES.....	39,500	194
065 DATA PROCESSING & COMPUTER SCIENCE TECHNOLOGIES.....	338,959	1,412
066 ELECTRONIC AND ELECTRICAL TECHNOLOGIES.....	47,411	180
067 ENVIRONMENTAL AND CONSERVATION TECHNOLOGIES.....	6,069	28
068 GENERAL AND CIVIL ENGINEERING TECHNOLOGIES.....	36,072	140
069 INDUSTRIAL ENGINEERING TECHNOLOGIES.....	35,264	169
070 MECHANICAL ENGINEERING TECHNOLOGIES.....	74,757	348
071 PRIMARY INDUSTRIES/RESOURCE TECHNOLOGIES.....	12,355	70
072 TRANSPORTATION TECHNOLOGIES.....	49,277	234
073 OTHER ENGINEERING/APPLIED SCIENCE TECHNOLOGIES.....	13,103	52
074 DENTISTRY.....	8,642	27
075 MEDICINE - GENERAL & BASIC.....	10,609	51
076 MEDICAL SPECIALIZATION.....	4,904	23
077 PARACLINICAL SCIENCES.....	2,424	6
078 SURGERY & SURGICAL SPECIALIZATIONS.....	6,859	20
079 NURSING AND NURSING ASSISTANCE.....	50,334	262
080 OPTOMETRY.....	504	7
081 PHARMACY & PHARMACEUTICAL SCIENCES.....	1,805	14
082 PUBLIC HEALTH.....	91,108	448
083 REHABILITATION MEDICINE.....	8,112	33
084 MEDICAL LAB. & DIAGNOSTIC/MEDICAL TECHNOLOGIES.....	132,340	651
085 MEDICAL EQUIPMENT AND PROSTHETICS.....	-	-
086 OTHER HEALTH PROF. SCIENCES & TECHNOLOGIES.....	21,081	100
087 ACTUARIAL SCIENCE.....	-	-
088 APPLIED MATHEMATICS.....	8,727	34
089 CHEMISTRY.....	10,344	37
090 GEOLOGY & RELATED FIELDS.....	5,781	17
091 MATHEMATICAL STATS. & MATHEMATICS.....	42,097	154
092 METALLURGY AND MATERIAL SCIENCE.....	-	-
093 METEOROLOGY.....	-	-
094 OCEANOGRAPHY & MARINE SCIENCES.....	-	-
095 PHYSICS.....	7,814	30
096 GENERAL SCIENCE.....	5,401	20
097 ALL OTHER N.E.C./NO SPECIALIZATION.....	87,823	385
098 UPGRADING.....	68,697	355
099 PERSONAL DEVELOPMENT.....	142,750	625
100 RECREATIONAL ACTIVITY.....	68,390	240
DID NOT KNOW.....	11,128	41
NOT STATED.....	66,589	316
TOTAL.....	19,837,821	92,808
Q49 HOW MANY HOURS OF INSTRUCTION WERE THERE EACH WEEK FOR THIS COURSE?		
NOT APPLICABLE.....	16,620,275	79,144
01 HOUR.....	59,699	232
02 HOURS.....	243,812	994
03 HOURS.....	676,567	2,850
04 HOURS.....	283,755	1,121
05 HOURS.....	87,205	381
06 HOURS.....	316,462	1,243
07 HOURS.....	78,939	313
08 HOURS.....	349,420	1,533
09 HOURS.....	35,820	144
10 HOURS.....	87,508	365
11 HOURS.....	4,641	18
12 HOURS.....	71,487	313
13 HOURS.....	5,162	26
14 HOURS.....	33,690	149
15 HOURS.....	69,406	303
16 HOURS.....	153,012	733
17 HOURS.....	1,222	5
18 HOURS.....	17,558	70
19 HOURS.....	2,322	10
20 HOURS.....	62,318	247
21 HOURS.....	21,990	80
22 HOURS.....	5,751	20
23 HOURS.....	9,228	32

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
Q49 HOW MANY HOURS OF INSTRUCTION WERE THERE EACH WEEK FOR THIS COURSE?		
24 HOURS.....	91,803	421
25 HOURS.....	19,402	74
26 HOURS.....	978	5
27 HOURS.....	2,558	13
28 HOURS.....	9,623	38
29 HOURS.....	151	1
30 HOURS.....	56,838	243
31 HOURS.....	91	1
32 HOURS.....	30,491	136
33 HOURS.....	563	5
34 HOURS.....	575	4
35 HOURS.....	30,981	163
36 HOURS.....	8,726	41
37 HOURS.....	3,403	12
38 HOURS.....	16,087	81
39 HOURS.....	245	1
40 HOURS.....	147,008	676
41 OR MORE.....	24,134	104
NOT STATED.....	96,916	463
TOTAL.....	19,837,821	92,808
Q50 HOW MANY WEEKS DID THIS COURSE LAST?		
NOT APPLICABLE.....	16,620,275	79,144
01 WEEK.....	1,075,902	4,891
02 WEEKS.....	164,756	751
03 WEEKS.....	89,925	449
04 WEEKS.....	104,468	411
05 WEEKS.....	60,683	240
06 WEEKS.....	122,326	513
07 WEEKS.....	19,514	84
08 WEEKS.....	140,396	542
09 WEEKS.....	15,525	68
10 WEEKS.....	222,367	1,011
11 WEEKS.....	9,318	47
12 WEEKS.....	233,672	857
13 WEEKS.....	89,844	306
14 WEEKS.....	43,000	159
15 WEEKS.....	152,784	588
16 WEEKS.....	90,584	375
17 WEEKS.....	12,686	50
18 WEEKS.....	11,239	38
19 WEEKS.....	1,040	6
20 WEEKS.....	70,461	271
21 WEEKS.....	2,299	15
22 WEEKS.....	5,301	21
23 WEEKS.....	1,328	4
24 WEEKS.....	39,060	136
25 WEEKS.....	7,371	28
26 WEEKS.....	36,325	117
27 WEEKS.....	1,192	8
28 WEEKS.....	11,287	51
29 WEEKS.....	1,066	3
30 WEEKS.....	34,283	127
31 WEEKS.....	1,054	2
32 WEEKS.....	21,551	98
33 WEEKS.....	254	3
34 WEEKS.....	3,063	18
35 WEEKS.....	5,359	17
36 WEEKS.....	6,713	45
37 WEEKS.....	1,482	5
38 WEEKS.....	2,038	12
39 WEEKS.....	2,478	7
40 WEEKS.....	31,802	123
41 WEEKS.....	-	-
42 WEEKS.....	4,052	14
43 WEEKS.....	894	5
44 WEEKS.....	3,236	10

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
<b>Q50 HOW MANY WEEKS DID THIS COURSE LAST?</b>		
45 WEEKS.....	3,661	11
46 WEEKS.....	538	5
47 WEEKS.....	-	-
48 WEEKS.....	1,689	9
49 WEEKS.....	-	-
50 WEEKS.....	8,106	22
51 WEEKS.....	-	-
52 WEEKS.....	44,930	196
NOT STATED.....	204,643	895
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>Q51 WAS ... EMPLOYED WHILE TAKING THIS COURSE?</b>		
NOT APPLICABLE.....	16,620,275	79,144
YES.....	2,698,046	11,309
NO.....	469,574	2,110
NOT STATED.....	49,926	245
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>Q52 WHILE ... WAS ENROLLED IN THIS COURSE, HOW MANY PERSONS WERE EMPLOYED AT LOCATION WHERE ... WORKED?</b>		
NOT APPLICABLE.....	17,089,849	81,254
LESS THAN 20.....	937,272	4,482
20 TO 99.....	747,410	3,062
100 TO 499.....	470,224	1,824
500 OR OVER.....	450,045	1,564
DO NOT KNOW.....	88,640	357
NOT STATED.....	54,381	265
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>Q53 DID ... 'S EMPLOYER OPERATE AT MORE THAN ONE LOCATION IN CANADA?</b>		
NOT APPLICABLE.....	17,628,533	83,175
YES.....	1,177,934	4,891
NO.....	965,629	4,424
NOT STATED.....	65,725	318
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>Q54 ABOUT HOW MANY PERSONS WERE EMPLOYED AT ALL LOCATIONS IN CANADA?</b>		
NOT APPLICABLE.....	18,594,162	87,599
LESS THAN 20.....	28,707	138
20 TO 99.....	77,187	298
100 TO 499.....	151,169	615
500 OR OVER.....	733,394	2,869
DO NOT KNOW.....	185,419	959
NOT STATED.....	67,784	330
<b>TOTAL.....</b>	<b>19,837,821</b>	<b>92,808</b>
<b>Q55 WHEN TOOK THIS COURSE, HOW LONG HAD ... BEEN WORKING FOR THIS EMPLOYER?</b>		
NOT APPLICABLE.....	17,089,849	81,254
LESS THAN ONE YEAR.....	478,138	1,891
01 YEAR.....	291,857	1,089
02 YEARS.....	282,895	1,104
03 YEARS.....	209,049	896
04 YEARS.....	142,023	599
05 YEARS.....	148,179	612
06 TO 10 YEARS.....	422,158	1,900
11 TO 15 YEARS.....	307,086	1,372
16 TO 20 YEARS.....	192,456	891
21 YEARS AND OVER.....	178,870	776
NOT STATED.....	95,262	424

ADULT EDUCATION AND TRAINING SURVEY 1990  
WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q56A WHO PAID FEE OR TUITION FOR THIS COURSE: EMPLOYER?		
NOT APPLICABLE.....	16,620,275	79,144
YES.....	1,353,167	5,706
NO.....	1,806,367	7,674
NOT STATED.....	58,013	284
TOTAL.....	19,837,821	92,808
Q56B WHO PAID FEE OR TUITION FOR THIS COURSE: SELF OR FAMILY?		
NOT APPLICABLE.....	16,620,275	79,144
YES.....	1,482,591	6,071
NO.....	1,676,943	7,309
NOT STATED.....	58,013	284
TOTAL.....	19,837,821	92,808
Q56C WHO PAID FEE OR TUITION FOR THIS COURSE: UNION OR PROFESSIONAL ORGANIZATION?		
NOT APPLICABLE.....	16,620,275	79,144
YES.....	31,023	170
NO.....	3,128,511	13,210
NOT STATED.....	58,013	284
TOTAL.....	19,837,821	92,808
Q56D WHO PAID FEE OR TUITION FOR THIS COURSE: VOLUNTARY ORGANIZATION?		
NOT APPLICABLE.....	16,620,275	79,144
YES.....	14,695	80
NO.....	3,144,838	13,300
NOT STATED.....	58,013	284
TOTAL.....	19,837,821	92,808
Q56E WHO PAID FEE OR TUITION FOR THIS COURSE: GOVERNMENT?		
NOT APPLICABLE.....	16,620,275	79,144
YES.....	139,694	639
NO.....	3,019,840	12,741
NOT STATED.....	58,013	284
TOTAL.....	19,837,821	92,808
Q56F WHO PAID FEE OR TUITION FOR THIS COURSE: SOME OTHER PERSON OR ORGANIZATION?		
NOT APPLICABLE.....	16,620,275	79,144
YES.....	33,589	177
NO.....	3,125,945	13,203
NOT STATED.....	58,013	284
TOTAL.....	19,837,821	92,808
Q56G WHO PAID FEE OR TUITION FOR THIS COURSE: NO FEE?		
NOT APPLICABLE.....	16,620,275	79,144
YES.....	174,701	854
NO.....	2,984,833	12,526
NOT STATED.....	58,013	284
TOTAL.....	19,837,821	92,808
Q56H WHO PAID FEE OR TUITION FOR THIS COURSE: DO NOT KNOW?		
NOT APPLICABLE.....	16,620,275	79,144
YES.....	13,511	60
NO.....	3,146,022	13,320
NOT STATED.....	58,013	284

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q57 EXCLUDING FEES OR TUITION, DID ... RECEIVE ANY OTHER TYPES OF FINANCIAL ASSISTANCE?		
NOT APPLICABLE.....	16,620,275	79,144
YES.....	783,267	3,524
NO.....	2,405,450	10,005
NOT STATED.....	28,830	135
TOTAL.....	19,837,821	92,808
Q58A WHO PROVIDED THIS ASSISTANCE: EMPLOYER?		
NOT APPLICABLE.....	19,025,724	89,149
YES.....	702,855	3,128
NO.....	71,439	361
NOT STATED.....	37,803	170
TOTAL.....	19,837,821	92,808
Q58B WHO PROVIDED THIS ASSISTANCE: FAMILY?		
NOT APPLICABLE.....	19,025,724	89,149
YES.....	5,834	28
NO.....	768,461	3,461
NOT STATED.....	37,803	170
TOTAL.....	19,837,821	92,808
Q58C WHO PROVIDED THIS ASSISTANCE: UNION OR PROFESSIONAL ORGANIZATION?		
NOT APPLICABLE.....	19,025,724	89,149
YES.....	11,819	71
NO.....	762,476	3,418
NOT STATED.....	37,803	170
TOTAL.....	19,837,821	92,808
Q58D WHO PROVIDED THIS ASSISTANCE: VOLUNTARY ORGANIZATION?		
NOT APPLICABLE.....	19,025,724	89,149
YES.....	1,546	13
NO.....	772,749	3,476
NOT STATED.....	37,803	170
TOTAL.....	19,837,821	92,808
Q58E WHO PROVIDED THIS ASSISTANCE: GOVERNMENT?		
NOT APPLICABLE.....	19,025,724	89,149
YES.....	52,137	271
NO.....	722,158	3,218
NOT STATED.....	37,803	170
TOTAL.....	19,837,821	92,808
Q58F WHO PROVIDED THIS ASSISTANCE: OTHER?		
NOT APPLICABLE.....	19,025,724	89,149
YES.....	11,339	44
NO.....	762,956	3,445
NOT STATED.....	37,803	170
TOTAL.....	19,837,821	92,808
Q58G WHO PROVIDED THIS ASSISTANCE: DO NOT KNOW?		
NOT APPLICABLE.....	19,025,724	89,149
YES.....	574	3
NO.....	773,720	3,486
NOT STATED.....	37,803	170



ADULT EDUCATION AND TRAINING SURVEY 1990  
WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q59 WHERE WAS THIS COURSE TAKEN?		
NOT APPLICABLE.....	16,620,275	79,144
UNIVERSITY.....	438,108	1,651
COLLEGE (COMMUNITY, CEGEP, TECHNICAL INSTITUTE).....	655,106	2,823
VOCATIONAL OR TRADE SCHOOL.....	163,576	716
PRIVATE OR COMMERCIAL SCHOOL.....	308,092	1,254
WORK.....	698,944	3,010
OTHER.....	852,045	3,752
DO NOT KNOW.....	42,828	170
NOT STATED.....	58,847	288
TOTAL.....	19,837,821	92,808
Q60 WHAT WAS THE MOST IMPORTANT REASON WHY ... TOOK THIS COURSE?		
NOT APPLICABLE.....	16,620,275	79,144
IMPROVE JOB OPPORTUNITIES OR FOR CAREER DEVELOPMENT.....	1,100,168	4,422
PERSONAL INTEREST.....	677,795	2,832
INCREASE EARNINGS.....	38,499	164
IMPROVE JOB RELATED SKILLS.....	1,323,468	5,893
NOT STATED.....	77,617	353
TOTAL.....	19,837,821	92,808
Q61 DURING 6 MONTHS PRIOR TO STARTING COURSE ... WAS MAINLY?		
NOT APPLICABLE.....	16,620,275	79,144
WITHOUT A JOB BUT ACTIVELY LOOKING FOR WORK.....	150,012	694
EMPLOYED FULL-TIME (MORE THAN 30HRS/WK).....	2,264,099	9,525
EMPLOYED PART-TIME.....	356,151	1,590
WITHOUT A JOB AND NOT LOOKING FOR WORK.....	240,825	1,036
STUDENT.....	119,741	441
NOT STATED.....	86,718	378
TOTAL.....	19,837,821	92,808
Q62 INTERVIEWER CHECK ITEM - AT LEAST ONE OF Q17, Q30, Q40 OR Q51 HAS A RESPONSE		
YES.....	4,611,869	19,679
NO.....	15,225,953	73,129
TOTAL.....	19,837,821	92,808
Q63 DURING PAST 12 MONTHS DID ... DO ANY WORK AT ALL AT A JOB OR BUSINESS?		
BLANK.....	4,611,869	19,679
YES.....	10,125,443	48,007
NO.....	5,072,375	24,961
NOT STATED.....	28,136	161
TOTAL.....	19,837,821	92,808
Q64 WAS ...'S WORK ENTIRELY FULL-TIME, ENTIRELY PART-TIME OR SOME OF EACH?		
NOT APPLICABLE.....	9,684,243	44,640
ENTIRELY FULL-TIME.....	7,889,819	36,276
ENTIRELY PART-TIME.....	1,398,428	7,133
SOME FULL-TIME AND SOME PART-TIME.....	648,030	3,708
NOT STATED.....	217,301	1,051
TOTAL.....	19,837,821	92,808
Q65 HOW MANY PERSONS WERE EMPLOYED AT LOCATION WHERE ... WORKED DURING PAST 12 MONTHS?		
NOT APPLICABLE.....	9,684,243	44,640
LESS THAN 20.....	4,514,650	23,370
20 TO 99.....	2,532,656	11,197
100 TO 499.....	1,341,379	6,044
500 AND OVER.....	859,539	3,578
DO NOT KNOW.....	621,607	2,565
NOT STATED.....	283,746	1,414

ADULT EDUCATION AND TRAINING SURVEY 1990  
WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q66 DID ...'S EMPLOYER OPERATE AT MORE THAN ONE LOCATION IN CANADA?		
NOT APPLICABLE.....	11,165,390	50,783
YES.....	3,263,335	14,439
NO.....	5,058,671	25,756
NOT STATED.....	350,425	1,830
TOTAL.....	19,837,821	92,808
Q67 ABOUT HOW MANY PERSONS WERE EMPLOYED AT ALL LOCATIONS IN CANADA?		
NOT APPLICABLE.....	16,224,061	76,539
LESS THAN 20.....	91,033	420
20 TO 99.....	228,647	956
100 TO 499.....	440,649	1,729
500 AND OVER.....	1,675,911	6,790
DO NOT KNOW.....	819,788	4,509
NOT STATED.....	357,733	1,865
TOTAL.....	19,837,821	92,808
Q68 DURING 6 MONTHS FROM JANUARY TO JUNE 1990, ... WAS MAINLY?		
NOT APPLICABLE.....	4,611,869	19,679
WITHOUT A JOB BUT ACTIVELY LOOKING FOR WORK.....	669,185	3,895
WITHOUT A JOB AND NOT LOOKING FOR WORK.....	5,023,188	24,970
EMPLOYED FULL-TIME (MORE THAN 30HRS/WK).....	7,559,956	34,130
EMPLOYED PART-TIME.....	1,295,708	6,887
STUDENT.....	410,470	2,052
NOT STATED.....	267,447	1,195
TOTAL.....	19,837,821	92,808
Q69 WAS THERE ANY TRAINING OR EDUCATION THAT ... WAS SUPPOSED TO TAKE FOR EMPLOYMENT RELATED REASONS BUT DID NOT?		
YES.....	240,262	1,005
NO.....	19,445,650	91,176
DO NOT KNOW.....	82,054	353
NOT STATED.....	69,856	274
TOTAL.....	19,837,821	92,808
Q70A WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: NOT AWARE OF EXISTING PROGRAMS?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	4,240	20
NO.....	220,651	913
NOT STATED.....	85,226	346
TOTAL.....	19,837,821	92,808
Q70B WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TRAINING PROGRAMS NOT AVAILABLE?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	33,696	168
NO.....	191,195	765
NOT STATED.....	85,226	346
TOTAL.....	19,837,821	92,808
Q70C WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: AVAILABLE PROGRAMS NOT SUITABLE FOR ...'S NEEDS?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	8,029	39
NO.....	216,862	894
NOT STATED.....	85,226	346

ADULT EDUCATION AND TRAINING SURVEY 1990

WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q70D WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO OLD/TOO LATE NOW?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	4,119	15
NO.....	220,773	918
NOT STATED.....	85,226	346
TOTAL.....	19,837,821	92,808
Q70E WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: NOT INTERESTED/LACK OF MOTIVATION?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	14,018	42
NO.....	210,874	891
NOT STATED.....	85,226	346
TOTAL.....	19,837,821	92,808
Q70F WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO BUSY?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	81,975	311
NO.....	142,917	622
NOT STATED.....	85,226	346
TOTAL.....	19,837,821	92,808
Q70G WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO EXPENSIVE/HAVE NO MONEY?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	31,201	124
NO.....	193,690	809
NOT STATED.....	85,226	346
TOTAL.....	19,837,821	92,808
Q70H WHAT WERE THE REASONS ... DID NOT TAKE THIS THIS TRAINING OR EDUCATION: TOO EMBARRASSED?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	1,252	3
NO.....	223,640	930
NOT STATED.....	85,226	346
TOTAL.....	19,837,821	92,808
Q70I WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: HEALTH REASONS?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	11,583	51
NO.....	213,308	882
NOT STATED.....	85,226	346
TOTAL.....	19,837,821	92,808
Q70J WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: FAMILY RESPONSIBILITIES?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	19,913	109
NO.....	204,979	824
NOT STATED.....	85,226	346
TOTAL.....	19,837,821	92,808
Q70K WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: OTHER?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	52,436	231
NO.....	172,456	702
NOT STATED.....	85,226	346

ADULT EDUCATION AND TRAINING SURVEY 1990

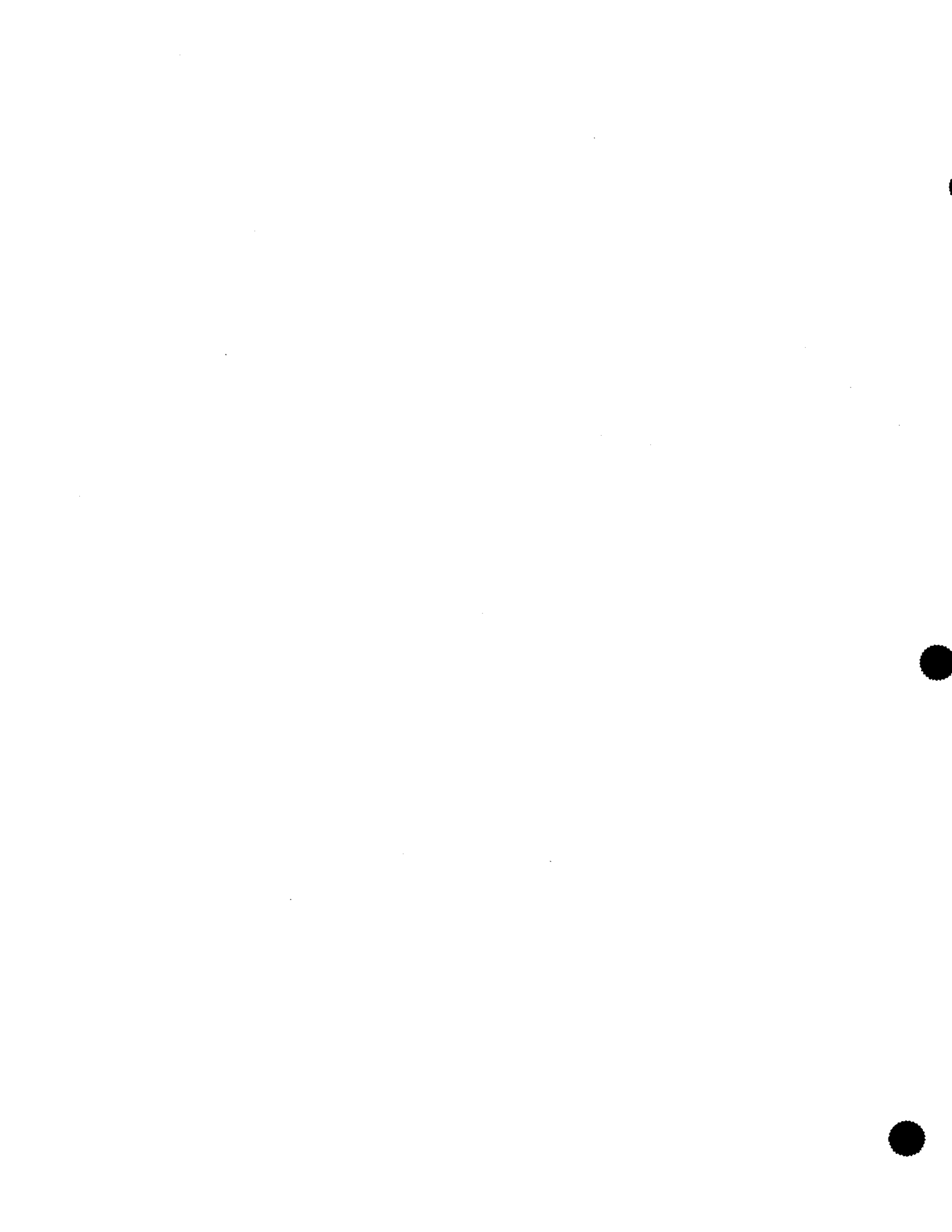
WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q70L WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: DO NOT KNOW?		
NOT APPLICABLE.....	19,527,704	91,529
YES.....	1,569	10
NO.....	223,323	923
NOT STATED.....	85,226	346
TOTAL.....	19,837,821	92,808
Q71 WAS THERE ANY TRAINING OR EDUCATION THAT ... WOULD HAVE WANTED TO TAKE FOR EMPLOYMENT OR ANY OTHER REASONS BUT DID NOT?		
YES.....	2,499,763	11,331
NO.....	17,066,349	80,192
DO NOT KNOW.....	230,260	1,106
NOT STATED.....	41,450	179
TOTAL.....	19,837,821	92,808
Q72A WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: NOT AWARE OF EXISTING PROGRAMS?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	69,795	406
NO.....	2,330,024	10,489
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
Q72B WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TRAINING PROGRAMS NOT AVAILABLE?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	317,034	1,794
NO.....	2,082,785	9,101
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
Q72C WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: AVAILABLE PROGRAMS NOT SUITABLE FOR ...'S NEEDS?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	97,274	496
NO.....	2,302,544	10,399
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
Q72D WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO OLD/TOO LATE NOW?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	60,627	296
NO.....	2,339,191	10,599
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
Q72E WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: DON'T NEED IT IN JOB/KNOWS ENOUGH?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	23,557	99
NO.....	2,376,261	10,796
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
Q72F WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO BUSY?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	959,229	3,911
NO.....	1,440,589	6,984
NOT STATED.....	141,394	615

ADULT EDUCATION AND TRAINING SURVEY 1990  
WEIGHTED AND UNWEIGHTED COUNTS-Continued

	WEIGHTED COUNT	RECORD COUNT
TOTAL.....	19,837,821	92,808
Q72G WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO EXPENSIVE/HAVE NO MONEY?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	621,815	2,852
NO.....	1,778,003	8,043
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
Q72H WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: TOO EMBARRASSED?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	11,667	57
NO.....	2,388,152	10,838
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
Q72I WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: HEALTH REASONS?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	106,496	519
NO.....	2,293,322	10,376
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
Q72J WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: FAMILY RESPONSIBILITIES?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	333,640	1,641
NO.....	2,066,179	9,254
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
Q72K WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: OTHER?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	387,677	1,716
NO.....	2,012,141	9,179
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
Q72L WHAT WERE THE REASONS ... DID NOT TAKE THIS TRAINING OR EDUCATION: DO NOT KNOW?		
NOT APPLICABLE.....	17,296,609	81,298
YES.....	49,892	211
NO.....	2,349,926	10,684
NOT STATED.....	141,394	615
TOTAL.....	19,837,821	92,808
QUESTIONNAIRE COMPLETED BY PROXY/NON-PROXY		
NON PROXY.....	10,495,500	48,858
PROXY.....	9,342,321	43,950

- Data not available.



**APPENDIX D**

**Approximate Sampling Variability Tables**





## APPENDIX D

### Approximate Sampling Variability Tables

The minimum subgroup sizes which apply to estimates at the provincial, regional and Canada levels are specified in the table below for the Adult Education and Training Survey variables.

Province	Publishable	Releasable with qualification	Not releasable
Canada	> 19,000	8,000 - 19,000	< 8,000
Newfoundland	> 6,000	3,000 - 6,000	< 3,000
P.E.I.	> 3,000	1,000 - 3,000	< 1,000
Nova Scotia	> 8,000	3,000 - 8,000	< 3,000
New Brunswick	> 5,000	2,000 - 5,000	< 2,000
Quebec	> 23,000	10,000 - 23,000	< 10,000
Ontario	> 25,000	11,000 - 25,000	< 11,000
Manitoba	> 9,000	4,000 - 9,000	< 4,000
Saskatchewan	> 7,000	3,000 - 7,000	< 3,000
Alberta	> 11,000	5,000 - 11,000	< 5,000
British Columbia	> 23,000	10,000 - 23,000	< 10,000
Atlantic	> 6,000	2,000 - 6,000	< 2,000
Prairies	> 10,000	4,000 - 10,000	< 4,000



Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

Canada

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	71.3	70.9	70.6	69.5	67.6	65.7	63.8	61.8	59.7	57.5	55.2	50.4	39.1	22.5
2	50.4	50.2	49.9	49.1	47.8	46.5	45.1	43.7	42.2	40.7	39.1	35.7	27.6	15.9
3	41.1	41.0	40.8	40.1	39.1	38.0	36.8	35.7	34.4	33.2	31.9	29.1	22.5	13.0
4	35.6	35.5	35.3	34.8	33.8	32.9	31.9	30.9	29.8	28.7	27.6	25.2	19.5	11.3
5	31.9	31.7	31.6	31.1	30.3	29.4	28.5	27.6	26.7	25.7	24.7	22.5	17.5	10.1
6	29.1	29.0	28.8	28.4	27.6	26.8	26.0	25.2	24.4	23.5	22.5	20.6	15.9	9.2
7	26.9	26.8	26.7	26.3	25.6	24.8	24.1	23.3	22.5	21.7	20.9	19.1	14.8	8.5
8	25.2	25.1	25.0	24.6	23.9	23.2	22.5	21.8	21.1	20.3	19.5	17.8	13.8	8.0
9	23.8	23.6	23.5	23.2	22.5	21.9	21.3	20.6	19.9	19.2	18.4	16.8	13.0	7.5
10	22.5	22.4	22.3	22.0	21.4	20.8	20.2	19.5	18.9	18.2	17.5	15.9	12.4	7.1
11	21.5	21.4	21.3	21.0	20.4	19.8	19.2	18.6	18.0	17.3	16.7	15.2	11.8	6.8
12	20.6	20.5	20.4	20.1	19.5	18.8	18.2	17.7	17.2	16.6	15.9	14.6	11.3	6.5
13	19.8	19.7	19.6	19.3	18.8	18.2	17.7	17.1	16.5	15.9	15.3	14.0	10.8	6.3
14	19.0	19.0	18.9	18.6	18.1	17.6	17.0	16.5	15.9	15.4	14.8	13.5	10.4	6.0
15	18.4	18.3	18.2	17.9	17.5	17.0	16.5	15.9	15.4	14.8	14.3	13.0	10.1	5.8
16	17.8	17.7	17.6	17.4	16.9	16.4	15.9	15.4	14.9	14.4	13.8	12.6	9.8	5.6
17	17.3	17.2	17.1	16.9	16.4	15.9	15.5	15.0	14.5	13.9	13.4	12.2	9.5	5.5
18	16.8	16.7	16.6	16.4	15.9	15.5	15.0	14.6	14.1	13.6	13.0	11.9	9.2	5.3
19	16.4	16.3	16.2	15.9	15.5	15.1	14.6	14.2	13.7	13.2	12.7	11.6	9.0	5.2
20	*****	15.9	15.8	15.5	15.1	14.7	14.3	13.8	13.3	12.9	12.4	11.3	8.7	5.0
21	*****	15.5	15.4	15.2	14.8	14.3	13.9	13.5	13.0	12.5	12.1	11.0	8.5	4.9
22	*****	15.1	15.0	14.8	14.5	14.0	13.6	13.2	12.7	12.3	11.8	10.7	8.3	4.8
23	*****	14.8	14.7	14.5	14.2	13.7	13.3	12.9	12.4	12.0	11.5	10.5	8.1	4.7
24	*****	14.5	14.4	14.2	13.9	13.4	13.0	12.6	12.2	11.7	11.3	10.3	8.0	4.6
25	*****	14.2	14.1	13.9	13.6	13.1	12.8	12.4	11.9	11.5	11.0	10.1	7.8	4.5
30	*****	13.0	12.9	12.7	12.4	12.0	11.6	11.3	10.9	10.5	10.1	9.2	7.1	4.1
35	*****	12.0	11.9	11.7	11.4	11.1	10.8	10.4	10.1	9.7	9.3	8.5	6.6	3.8
40	*****	11.2	11.0	10.7	10.4	10.1	9.8	9.4	9.1	8.7	8.3	7.5	6.2	3.6
45	*****	10.6	10.5	10.4	10.4	9.8	9.5	9.2	8.9	8.6	8.2	7.5	5.8	3.4
50	*****	10.0	10.0	10.0	9.8	9.3	9.0	8.7	8.4	8.1	7.8	7.1	5.5	3.2
55	*****	9.6	9.5	9.4	9.4	8.9	8.6	8.3	8.0	7.8	7.4	6.8	5.3	3.0
60	*****	9.2	9.1	9.0	8.7	8.5	8.2	8.0	7.7	7.4	7.1	6.5	5.0	2.9
65	*****	8.8	8.8	8.8	8.6	8.2	7.9	7.7	7.4	7.1	6.9	6.3	4.8	2.8
70	*****	8.5	8.4	8.3	8.3	7.9	7.6	7.4	7.1	6.9	6.6	6.0	4.7	2.7
75	*****	8.2	8.2	8.0	8.0	7.6	7.4	7.1	6.9	6.6	6.4	5.8	4.5	2.6
80	*****	7.9	7.8	7.7	7.5	7.4	7.1	6.9	6.7	6.4	6.2	5.6	4.4	2.5
85	*****	7.7	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.5	4.2	2.4
90	*****	7.5	7.4	7.3	7.3	6.9	6.7	6.5	6.3	6.1	5.8	5.3	4.1	2.4
95	*****	7.3	7.2	7.1	7.0	6.7	6.5	6.3	6.1	5.9	5.7	5.2	4.0	2.3
100	*****	7.1	7.1	7.0	7.0	6.6	6.4	6.2	6.0	5.7	5.5	5.0	3.9	2.3
125	*****	6.3	6.3	6.3	6.2	6.1	5.9	5.7	5.5	5.3	5.1	4.9	3.5	2.0
150	*****	5.8	5.8	5.8	5.7	5.4	5.2	5.0	4.9	4.7	4.5	4.1	3.2	1.8
200	*****	5.0	4.8	4.8	4.9	4.6	4.5	4.4	4.2	4.1	3.9	3.6	2.8	1.6

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

Canada

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%
250	*****	*****	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.5	3.2	2.5	1.4
300	*****	*****	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	2.9	2.3	1.3
350	*****	*****	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.7	2.1	1.2
400	*****	*****	*****	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.5	2.0	1.1
450	*****	*****	*****	3.3	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	2.3	1.7	1.0
750	*****	*****	*****	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2.0	1.8	1.4	0.8
1000	*****	*****	*****	*****	2.1	2.1	2.0	2.0	1.9	1.8	1.7	1.6	1.2	0.7
1500	*****	*****	*****	*****	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.0	0.6
2000	*****	*****	*****	*****	*****	1.5	1.4	1.4	1.3	1.3	1.2	1.1	0.9	0.5
3000	*****	*****	*****	*****	*****	*****	1.2	1.1	1.1	1.0	1.0	0.9	0.7	0.4
4000	*****	*****	*****	*****	*****	*****	*****	1.0	0.9	0.9	0.9	0.8	0.6	0.4
5000	*****	*****	*****	*****	*****	*****	*****	*****	0.8	0.8	0.8	0.7	0.6	0.3
6000	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.7	0.7	0.5	0.3
7000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.6	0.5	0.3
8000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6	0.6	0.4	0.3
9000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.5	0.4	0.2
10000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.4	0.2
12500	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.3	0.2
15000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.2

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

Newfoundland

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	*****	40.1	39.9	39.3	38.2	37.2	36.1	34.9	33.7	32.5	31.2	28.5	22.1	12.7
2	*****	28.4	28.2	27.8	27.0	26.3	25.5	24.7	23.8	23.0	22.1	20.2	15.6	9.0
3	*****	23.2	23.0	22.7	22.1	21.5	20.8	20.2	19.5	18.8	18.0	16.5	12.7	7.4
4	*****	20.1	20.0	19.6	19.1	18.6	18.0	17.5	16.9	16.2	15.6	14.3	11.0	6.4
5	*****	17.8	17.8	17.6	17.1	16.6	16.1	15.6	15.1	14.5	14.0	12.7	9.9	5.7
6	*****	16.3	16.3	16.0	15.6	15.2	14.7	14.3	13.8	13.3	12.7	11.6	9.0	5.2
7	*****	15.1	15.1	14.8	14.5	14.0	13.6	13.2	12.7	12.3	11.8	10.8	8.3	4.8
8	*****	14.1	14.1	13.9	13.5	13.1	12.7	12.3	11.9	11.5	11.0	10.1	7.8	4.5
9	*****	*****	*****	*****	12.7	12.4	12.0	11.6	11.2	10.8	10.4	9.5	7.4	4.2
10	*****	*****	*****	*****	12.4	12.1	11.8	11.4	11.0	10.6	10.2	9.0	7.0	4.0
11	*****	*****	*****	*****	11.8	11.5	11.2	10.9	10.5	10.2	9.8	8.2	6.4	3.8
12	*****	*****	*****	*****	11.3	11.0	10.7	10.4	10.1	9.7	9.4	8.2	6.4	3.7
13	*****	*****	*****	*****	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.2	6.4	3.5
14	*****	*****	*****	*****	10.5	10.2	9.9	9.6	9.3	9.0	8.7	7.6	5.9	3.4
15	*****	*****	*****	*****	10.1	9.9	9.6	9.3	9.0	8.7	8.4	7.4	5.7	3.3
16	*****	*****	*****	*****	9.8	9.6	9.3	9.0	8.7	8.4	8.1	7.1	5.5	3.2
17	*****	*****	*****	*****	9.5	9.3	9.0	8.7	8.4	8.1	7.8	6.9	5.4	3.1
18	*****	*****	*****	*****	9.3	9.0	8.8	8.5	8.2	7.9	7.6	6.7	5.2	3.0
19	*****	*****	*****	*****	9.0	8.8	8.5	8.3	8.0	7.7	7.5	6.5	5.1	2.9
20	*****	*****	*****	*****	8.8	8.6	8.3	8.1	7.8	7.5	7.3	6.4	4.9	2.9
21	*****	*****	*****	*****	8.3	8.1	7.9	7.6	7.4	7.1	6.8	6.2	4.8	2.8
22	*****	*****	*****	*****	8.2	7.9	7.7	7.4	7.2	6.9	6.7	6.1	4.7	2.7
23	*****	*****	*****	*****	8.0	7.7	7.5	7.3	7.0	6.8	6.5	5.9	4.6	2.7
24	*****	*****	*****	*****	7.8	7.6	7.4	7.1	6.9	6.6	6.4	5.8	4.5	2.6
25	*****	*****	*****	*****	7.6	7.4	7.2	7.0	6.7	6.5	6.2	5.7	4.4	2.5
30	*****	*****	*****	*****	7.0	6.8	6.6	6.4	6.2	5.9	5.7	5.2	4.0	2.3
35	*****	*****	*****	*****	6.5	6.3	6.1	5.9	5.7	5.5	5.3	4.8	3.7	2.2
40	*****	*****	*****	*****	6.0	5.9	5.7	5.5	5.3	5.1	4.9	4.5	3.5	2.0
45	*****	*****	*****	*****	*****	5.5	5.4	5.2	5.0	4.8	4.7	4.2	3.3	1.9
50	*****	*****	*****	*****	*****	5.3	5.1	4.9	4.7	4.6	4.4	4.0	3.1	1.8
55	*****	*****	*****	*****	*****	5.0	4.9	4.7	4.5	4.4	4.2	3.8	3.0	1.7
60	*****	*****	*****	*****	*****	4.8	4.7	4.5	4.4	4.2	4.0	3.7	2.9	1.6
65	*****	*****	*****	*****	*****	*****	4.5	4.3	4.2	4.0	3.9	3.5	2.7	1.6
70	*****	*****	*****	*****	*****	*****	4.3	4.2	4.0	3.9	3.8	3.4	2.6	1.5
75	*****	*****	*****	*****	*****	*****	4.2	4.0	3.9	3.8	3.6	3.3	2.5	1.5
80	*****	*****	*****	*****	*****	*****	4.0	3.9	3.8	3.6	3.5	3.2	2.5	1.4
85	*****	*****	*****	*****	*****	*****	*****	3.8	3.7	3.5	3.4	3.1	2.4	1.4
90	*****	*****	*****	*****	*****	*****	*****	3.7	3.6	3.4	3.3	3.0	2.3	1.3
95	*****	*****	*****	*****	*****	*****	*****	3.6	3.5	3.3	3.2	2.9	2.3	1.3
100	*****	*****	*****	*****	*****	*****	*****	3.5	3.4	3.2	3.1	2.9	2.2	1.3
125	*****	*****	*****	*****	*****	*****	*****	*****	*****	2.9	2.8	2.5	2.0	1.1
150	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	2.3	1.8	1.0
200	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	2.0	1.6	0.9

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

Newfoundland

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%
250	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
300	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
350	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

Prince Edward Island

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	*****	*****	27.8	27.4	26.7	25.9	25.2	24.4	23.5	22.7	21.8	19.9	15.4	8.9
2	*****	*****	*****	19.4	18.9	18.3	17.8	17.2	16.6	16.0	15.4	14.1	10.9	6.3
3	*****	*****	*****	15.8	15.4	15.0	14.5	14.1	13.6	13.1	12.6	11.5	8.9	5.1
4	*****	*****	*****	13.7	13.3	13.0	12.6	12.2	11.8	11.3	10.9	9.9	7.7	4.4
5	*****	*****	*****	*****	11.9	11.6	11.2	10.9	10.5	10.1	9.7	8.9	6.9	4.0
6	*****	*****	*****	*****	10.9	10.6	10.3	9.9	9.6	9.3	8.9	8.1	6.3	3.6
7	*****	*****	*****	*****	10.1	9.8	9.5	9.2	8.9	8.6	8.2	7.5	5.8	3.4
8	*****	*****	*****	*****	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.0	5.4	3.1
9	*****	*****	*****	*****	8.9	8.6	8.4	8.1	7.8	7.6	7.3	6.6	5.1	3.0
10	*****	*****	*****	*****	8.2	8.0	7.7	7.3	7.1	6.8	6.6	6.0	4.9	2.8
11	*****	*****	*****	*****	7.8	7.6	7.3	7.0	6.8	6.5	6.3	5.7	4.6	2.7
12	*****	*****	*****	*****	7.5	7.3	7.0	6.8	6.5	6.3	6.0	5.5	4.4	2.6
13	*****	*****	*****	*****	7.2	7.0	6.8	6.5	6.3	6.1	5.8	5.3	4.3	2.5
14	*****	*****	*****	*****	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.1	4.1	2.4
15	*****	*****	*****	*****	6.5	6.3	6.1	5.9	5.7	5.5	5.2	4.7	3.6	2.2
16	*****	*****	*****	*****	6.3	6.1	5.9	5.7	5.5	5.3	5.0	4.6	3.5	2.0
17	*****	*****	*****	*****	6.1	5.9	5.7	5.5	5.3	5.1	4.8	4.4	3.4	1.9
18	*****	*****	*****	*****	5.9	5.7	5.5	5.3	5.1	4.9	4.6	4.2	3.3	1.9
19	*****	*****	*****	*****	5.7	5.5	5.3	5.1	4.9	4.7	4.5	4.1	3.2	1.9
20	*****	*****	*****	*****	5.6	5.4	5.2	5.0	4.8	4.6	4.4	4.0	3.1	1.8
21	*****	*****	*****	*****	5.4	5.2	5.0	4.8	4.6	4.4	4.2	3.8	2.8	1.6
22	*****	*****	*****	*****	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.6	2.6	1.5
23	*****	*****	*****	*****	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.4	2.4	1.4
24	*****	*****	*****	*****	5.1	4.8	4.6	4.4	4.2	4.0	3.8	3.3	2.3	1.3
25	*****	*****	*****	*****	5.1	4.7	4.5	4.3	4.1	3.9	3.7	3.2	2.2	1.2
30	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1
35	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1
40	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1
45	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1
50	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1
55	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1
60	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1
65	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1
70	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1
75	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1
80	*****	*****	*****	*****	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.0	2.0	1.1

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990  
 Nova Scotia

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	*****	46.1	45.9	45.2	44.0	42.7	41.4	40.1	38.8	37.4	35.9	32.8	25.4	14.7
2	*****	32.6	32.4	31.9	31.1	30.2	29.3	28.4	27.4	26.4	25.4	23.2	17.9	10.4
3	*****	26.6	26.5	26.1	25.4	24.7	23.9	23.2	22.4	21.6	20.7	18.9	14.7	8.5
4	*****	23.1	22.9	22.6	22.0	21.4	20.7	20.1	19.4	18.7	17.9	16.4	12.7	7.3
5	*****	20.6	20.5	20.2	19.7	19.1	18.5	17.9	17.3	16.7	16.1	14.7	11.4	6.6
6	*****	18.8	18.7	18.4	17.9	17.4	16.9	16.4	15.8	15.3	14.7	13.4	10.4	6.0
7	*****	17.3	17.3	17.1	16.6	16.1	15.7	15.2	14.7	14.1	13.6	12.4	9.6	5.5
8	*****	16.2	16.0	15.5	15.1	14.7	14.2	13.7	13.2	12.7	12.2	11.6	9.0	5.2
9	*****	15.3	15.1	14.7	14.2	13.8	13.4	12.9	12.5	12.0	11.4	10.9	8.5	4.9
10	*****	14.5	14.3	13.9	13.5	13.1	12.7	12.3	11.8	11.3	10.8	10.4	8.0	4.6
11	*****	13.8	13.6	13.3	12.9	12.5	12.1	11.7	11.3	10.8	10.4	9.9	7.7	4.4
12	*****	13.2	13.0	12.7	12.3	12.0	11.6	11.2	10.8	10.4	10.0	9.5	7.3	4.2
13	*****	12.7	12.5	12.2	11.8	11.5	11.1	10.7	10.4	10.0	9.6	9.1	7.0	4.1
14	*****	12.1	11.7	11.4	11.1	10.7	10.4	10.0	9.7	9.3	8.8	8.5	6.6	3.9
15	*****	11.7	11.4	11.0	10.7	10.4	10.0	9.7	9.4	9.1	8.7	8.2	6.3	3.8
16	*****	11.3	11.0	10.7	10.4	10.1	9.8	9.5	9.2	8.9	8.5	8.0	6.2	3.6
17	*****	11.0	10.7	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.2	7.7	6.0	3.5
18	*****	10.6	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.3	7.9	7.5	5.8	3.4
19	*****	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.3	5.5	3.2
20	*****	10.1	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.3	7.0	5.4	3.1
21	*****	9.9	9.6	9.3	9.0	8.8	8.5	8.2	7.9	7.6	7.2	6.8	5.3	3.0
22	*****	9.6	9.4	9.1	8.8	8.6	8.4	8.1	7.8	7.5	7.2	6.7	5.1	2.9
23	*****	9.4	9.2	8.9	8.7	8.5	8.2	7.9	7.6	7.3	7.0	6.6	5.1	2.7
24	*****	9.2	9.0	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9	6.6	5.1	2.5
25	*****	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.2	6.9	6.6	6.3	4.8	2.3
30	*****	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.6	6.3	6.1	5.9	4.3	2.0
35	*****	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.9	5.6	5.4	5.2	3.8	1.8
40	*****	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.5	5.3	5.1	4.9	3.3	1.7
45	*****	6.6	6.4	6.2	6.0	5.9	5.7	5.5	5.3	5.0	4.8	4.6	3.0	1.6
50	*****	6.2	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.6	4.4	2.9	1.5
55	*****	5.9	5.8	5.6	5.5	5.4	5.2	5.0	4.8	4.6	4.5	4.3	2.8	1.4
60	*****	5.7	5.5	5.4	5.3	5.1	5.0	4.8	4.6	4.5	4.3	4.1	2.7	1.3
65	*****	5.5	5.3	5.1	5.0	4.8	4.6	4.5	4.3	4.2	4.1	3.9	2.6	1.2
70	*****	5.1	5.0	4.8	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6	2.5	1.1
75	*****	4.9	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.7	3.5	2.4	1.0
80	*****	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.4	2.3	0.9
85	*****	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.5	3.3	2.2	0.8
90	*****	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.2	2.1	0.7
95	*****	4.4	4.3	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.3	3.2	2.1	0.6
100	*****	4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.5	3.3	3.2	3.1	2.0	0.5
125	*****	4.0	3.7	3.6	3.5	3.3	3.2	3.1	3.0	2.9	2.7	2.6	1.5	0.4
150	*****	3.7	3.6	3.5	3.3	3.2	3.1	3.0	2.9	2.7	2.6	2.5	1.4	0.3
200	*****	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.8	2.7	1.3	0.2

Notes: For correct usage of these tables refer to the Microdata Documentation



Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

Nova Scotia

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%
250	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
300	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	2.3	2.1	1.6	0.9
350	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.9	1.5	0.8
400	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.4	0.8
450	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.3	0.7
500	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.2	0.7
	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

New Brunswick

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	*****	37.9	37.7	37.2	36.2	35.1	34.1	33.0	31.9	30.7	29.5	27.0	20.9	12.1
2	*****	26.8	26.7	26.3	25.6	24.9	24.1	23.3	22.6	21.7	20.9	19.1	14.8	8.5
3	*****	21.9	21.8	21.5	20.9	20.3	19.7	19.1	18.4	17.7	17.0	15.6	12.1	7.0
4	*****	19.0	18.9	18.6	18.1	17.6	17.0	16.5	15.9	15.4	14.8	13.5	10.4	6.0
5	*****	17.0	16.9	16.6	16.2	15.7	15.2	14.8	14.3	13.7	13.2	12.1	9.3	5.4
6	*****	*****	15.4	15.2	14.8	14.3	13.9	13.5	13.0	12.5	12.1	11.0	8.5	4.9
7	*****	*****	14.3	14.0	13.7	13.3	12.9	12.5	12.1	11.6	11.2	10.2	7.9	4.6
8	*****	*****	13.3	13.1	12.8	12.4	12.1	11.7	11.3	10.9	10.4	9.5	7.4	4.3
9	*****	*****	12.6	12.4	12.1	11.7	11.4	11.0	10.6	10.2	9.8	9.0	7.0	4.0
10	*****	*****	11.9	11.8	11.4	11.1	10.8	10.4	10.1	9.7	9.3	8.5	6.6	3.8
11	*****	*****	*****	11.2	10.9	10.6	10.3	10.0	9.6	9.3	8.9	8.1	6.3	3.6
12	*****	*****	*****	10.7	10.4	10.1	9.8	9.5	9.2	8.9	8.5	7.8	6.0	3.5
13	*****	*****	*****	10.3	10.0	9.7	9.5	9.2	8.8	8.5	8.2	7.5	5.8	3.3
14	*****	*****	*****	9.9	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.2	5.6	3.2
15	*****	*****	*****	9.6	9.3	9.1	8.8	8.5	8.2	7.9	7.6	7.0	5.4	3.1
16	*****	*****	*****	9.3	9.0	8.8	8.5	8.3	8.0	7.7	7.4	6.7	5.2	3.0
17	*****	*****	*****	9.0	8.8	8.5	8.3	8.0	7.7	7.5	7.2	6.5	5.1	2.9
18	*****	*****	*****	8.8	8.5	8.3	8.0	7.8	7.5	7.2	7.0	6.4	4.9	2.8
19	*****	*****	*****	8.5	8.3	8.1	7.8	7.6	7.3	7.1	6.8	6.2	4.8	2.8
20	*****	*****	*****	8.3	8.1	7.9	7.6	7.4	7.1	6.9	6.6	6.0	4.7	2.7
21	*****	*****	*****	8.1	7.9	7.7	7.4	7.2	7.0	6.7	6.4	5.9	4.6	2.6
22	*****	*****	*****	7.9	7.7	7.5	7.3	7.0	6.8	6.6	6.3	5.7	4.5	2.6
23	*****	*****	*****	7.7	7.5	7.3	7.1	6.9	6.7	6.4	6.2	5.6	4.4	2.5
24	*****	*****	*****	7.6	7.4	7.2	7.0	6.8	6.5	6.3	6.0	5.4	4.3	2.4
25	*****	*****	*****	7.4	7.2	7.0	6.8	6.6	6.4	6.1	5.9	5.4	4.2	2.4
30	*****	*****	*****	*****	6.6	6.4	6.2	6.0	5.8	5.6	5.4	4.9	3.8	2.2
35	*****	*****	*****	*****	6.1	5.9	5.8	5.6	5.4	5.2	5.0	4.6	3.5	2.0
40	*****	*****	*****	*****	5.7	5.4	5.4	5.2	5.0	4.9	4.7	4.3	3.3	1.9
45	*****	*****	*****	*****	5.4	5.1	5.1	4.9	4.8	4.6	4.4	4.0	3.1	1.8
50	*****	*****	*****	*****	5.1	5.0	4.8	4.7	4.5	4.3	4.2	3.8	3.0	1.7
55	*****	*****	*****	*****	*****	4.7	4.6	4.5	4.3	4.1	4.0	3.6	2.8	1.6
60	*****	*****	*****	*****	*****	4.5	4.4	4.3	4.1	4.0	3.8	3.5	2.7	1.6
65	*****	*****	*****	*****	*****	4.4	4.2	4.1	4.0	3.8	3.7	3.3	2.6	1.5
70	*****	*****	*****	*****	*****	4.2	4.1	3.9	3.8	3.7	3.5	3.2	2.5	1.4
75	*****	*****	*****	*****	*****	4.1	3.9	3.8	3.7	3.5	3.4	3.1	2.4	1.4
80	*****	*****	*****	*****	*****	*****	3.8	3.7	3.6	3.4	3.3	3.0	2.3	1.3
85	*****	*****	*****	*****	*****	*****	3.7	3.6	3.5	3.3	3.2	2.9	2.3	1.3
90	*****	*****	*****	*****	*****	*****	3.6	3.5	3.4	3.2	3.1	2.8	2.2	1.3
95	*****	*****	*****	*****	*****	*****	3.5	3.4	3.3	3.2	3.0	2.8	2.1	1.2
100	*****	*****	*****	*****	*****	*****	3.4	3.3	3.2	3.1	3.0	2.7	2.1	1.1
125	*****	*****	*****	*****	*****	*****	3.0	3.0	2.9	2.7	2.6	2.4	1.9	1.1
150	*****	*****	*****	*****	*****	*****	*****	3.0	2.9	2.7	2.6	2.4	1.9	1.1
200	*****	*****	*****	*****	*****	*****	*****	2.6	2.6	2.5	2.4	2.2	1.7	1.0
	*****	*****	*****	*****	*****	*****	*****	*****	2.1	2.1	2.1	1.9	1.5	0.9

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*

Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

New Brunswick

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%
250	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.7	1.3	0.8
300	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.2	0.7
350	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.1	0.6
400	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6
450	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

Quebec

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	80.0	79.7	79.3	78.0	76.0	73.8	71.6	69.3	67.0	64.6	62.0	56.6	43.9	25.3
2	56.6	56.3	56.1	55.2	53.7	52.2	50.6	49.0	47.4	45.6	43.9	40.0	31.0	17.9
3	46.2	46.0	45.8	45.1	43.9	42.6	41.3	40.0	38.7	37.3	35.8	32.7	25.3	14.6
4	40.0	39.8	39.6	39.0	38.0	36.9	35.8	34.7	33.5	32.3	31.0	28.3	21.9	12.7
5	35.8	35.6	35.4	34.9	34.0	33.0	32.0	31.0	30.0	28.9	27.7	25.3	19.6	11.3
6	*****	32.5	32.4	31.9	31.0	30.1	29.2	28.3	27.3	26.4	25.3	23.1	17.9	10.3
7	*****	30.1	30.0	29.5	28.7	27.9	27.1	26.2	25.3	24.4	23.4	21.4	16.6	9.6
8	*****	28.2	28.0	27.6	26.9	26.1	25.3	24.5	23.7	22.8	21.9	20.0	15.5	9.0
9	*****	26.6	26.4	26.0	25.3	24.6	23.9	23.1	22.3	21.5	20.7	18.9	14.6	8.4
10	*****	25.2	25.1	24.7	24.0	23.3	22.6	21.9	21.2	20.4	19.6	17.9	13.9	8.0
11	*****	24.0	23.9	23.5	22.9	22.3	21.6	20.9	20.2	19.5	18.7	17.1	13.2	7.6
12	*****	23.0	22.9	22.5	21.9	21.3	20.7	20.0	19.3	18.6	17.9	16.3	12.7	7.3
13	*****	22.1	22.0	21.6	21.1	20.5	19.9	19.2	18.6	17.9	17.2	15.7	12.2	7.0
14	*****	21.3	21.2	20.9	20.3	19.7	19.1	18.5	17.9	17.3	16.6	15.1	11.7	6.8
15	*****	20.6	20.5	20.2	19.6	19.1	18.5	17.9	17.3	16.7	16.0	14.6	11.3	6.5
16	*****	19.9	19.8	19.5	19.0	18.5	17.9	17.3	16.7	16.1	15.5	14.2	11.0	6.3
17	*****	19.3	19.2	18.9	18.4	17.9	17.4	16.8	16.2	15.7	15.0	13.7	10.6	6.1
18	*****	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
19	*****	18.3	18.2	17.9	17.4	16.9	16.4	15.9	15.4	14.8	14.2	13.0	10.1	5.8
20	*****	17.8	17.7	17.5	17.0	16.5	16.0	15.5	15.0	14.4	13.9	12.7	9.8	5.7
21	*****	17.4	17.3	17.0	16.6	16.1	15.6	15.1	14.6	14.1	13.5	12.4	9.6	5.5
22	*****	16.9	16.9	16.6	16.2	15.7	15.3	14.8	14.3	13.8	13.2	12.1	9.4	5.4
23	*****	16.6	16.5	16.3	15.8	15.4	14.9	14.5	14.0	13.5	12.9	11.8	9.1	5.3
24	*****	16.3	16.2	15.9	15.5	15.1	14.6	14.2	13.7	13.2	12.7	11.6	9.0	5.2
25	*****	15.9	15.9	15.6	15.2	14.8	14.3	13.9	13.4	12.9	12.4	11.3	8.8	5.1
30	*****	14.5	14.5	14.2	13.9	13.5	13.1	12.7	12.2	11.8	11.3	10.3	8.0	4.6
35	*****	13.5	13.4	13.2	12.8	12.5	12.1	11.7	11.3	10.9	10.5	9.6	7.4	4.3
40	*****	12.6	12.5	12.3	12.0	11.7	11.3	11.0	10.6	10.2	9.8	9.0	6.9	4.0
45	*****	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
50	*****	11.3	11.2	11.0	10.7	10.4	10.1	9.8	9.5	9.1	8.8	8.0	6.2	3.6
55	*****	10.7	10.7	10.5	10.2	10.0	9.7	9.4	9.0	8.7	8.4	7.6	5.9	3.4
60	*****	10.2	10.2	10.1	9.8	9.5	9.2	9.0	8.6	8.3	8.0	7.3	5.7	3.3
65	*****	9.8	9.7	9.6	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.0	5.4	3.1
70	*****	9.5	9.3	9.1	8.8	8.5	8.3	8.0	7.7	7.5	7.2	6.5	5.2	3.0
75	*****	9.2	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.2	6.9	6.3	4.9	2.9
80	*****	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.3	7.0	6.7	6.1	4.8	2.8
85	*****	8.6	8.5	8.3	8.1	7.8	7.5	7.3	7.1	6.8	6.5	6.0	4.6	2.7
90	*****	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.9	6.6	6.4	5.8	4.5	2.6
95	*****	8.1	8.0	7.8	7.6	7.4	7.2	6.9	6.7	6.5	6.2	5.7	4.4	2.5
100	*****	7.9	7.8	7.6	7.4	7.2	6.9	6.7	6.5	6.2	5.9	5.5	4.3	2.3
125	*****	7.0	6.8	6.6	6.4	6.2	5.9	5.7	5.5	5.3	5.1	4.6	3.6	2.1
150	*****	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.8	4.6	4.0	3.1	1.8
200	*****	5.5	5.4	5.2	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.1	2.1	1.1

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*

Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

Quebec

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%
250	*****	*****	*****	4.9	4.8	4.7	4.5	4.4	4.2	4.1	3.9	3.6	2.8	1.6
300	*****	*****	*****	*****	4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.3	2.5	1.5
350	*****	*****	*****	*****	4.1	3.9	3.8	3.7	3.6	3.5	3.3	3.0	2.3	1.4
400	*****	*****	*****	*****	3.8	3.7	3.6	3.5	3.3	3.2	3.1	2.8	2.2	1.3
450	*****	*****	*****	*****	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
500	*****	*****	*****	*****	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.5	2.0	1.1
750	*****	*****	*****	*****	*****	2.7	2.6	2.5	2.4	2.4	2.3	2.1	1.6	0.9
1000	*****	*****	*****	*****	*****	*****	2.3	2.2	2.1	2.0	2.0	1.8	1.4	0.8
1500	*****	*****	*****	*****	*****	*****	*****	*****	1.7	1.7	1.6	1.5	1.1	0.7
2000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.4	1.3	1.0	0.6
3000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.8	0.5
4000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.4

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

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	85.0	84.6	84.2	82.9	80.7	78.4	76.1	73.7	71.2	68.6	65.9	60.1	46.6	26.9
2	60.1	59.8	59.5	58.6	57.1	55.4	53.8	52.1	50.3	48.5	46.6	42.5	32.9	19.0
3	49.1	48.9	48.6	47.9	46.6	45.3	43.9	42.5	41.1	39.6	38.0	34.7	26.9	15.5
4	42.5	42.3	42.1	41.5	40.3	39.2	38.0	36.8	35.6	34.3	32.9	30.1	23.3	13.4
5	38.0	37.8	37.7	37.1	36.1	35.1	34.0	32.9	31.8	30.7	29.5	26.9	20.8	12.0
6	34.7	34.6	34.4	33.8	32.9	32.0	31.1	30.1	29.1	28.0	26.9	24.6	19.0	11.0
7	32.1	32.0	31.8	31.3	30.5	29.6	28.8	27.8	26.9	25.9	24.9	22.7	17.6	10.2
8	*****	29.9	29.8	29.3	28.5	27.7	26.9	26.0	25.2	24.2	23.3	21.3	16.5	9.5
9	*****	28.2	28.1	27.6	26.9	26.1	25.4	24.6	23.7	22.9	22.0	20.0	15.5	9.0
10	*****	26.8	26.6	26.2	25.5	24.8	24.1	23.3	22.5	21.7	20.8	19.0	14.7	8.5
11	*****	25.5	25.4	25.0	24.3	23.6	22.9	22.2	21.5	20.7	19.9	18.1	14.0	8.1
12	*****	24.4	24.3	23.9	23.3	22.6	22.0	21.3	20.5	19.8	19.0	17.4	13.4	7.8
13	*****	23.5	23.4	23.0	22.4	21.7	21.1	20.4	19.7	19.0	18.3	16.7	12.9	7.5
14	*****	22.6	22.5	22.2	21.6	21.0	20.3	19.7	19.0	18.3	17.6	16.1	12.5	7.2
15	*****	21.9	21.7	21.4	20.8	20.2	19.6	19.0	18.4	17.7	17.0	15.5	12.0	6.9
16	*****	21.2	21.1	20.7	20.2	19.6	19.0	18.4	17.8	17.1	16.5	15.0	11.6	6.7
17	*****	20.5	20.4	20.1	19.6	19.0	18.5	17.9	17.3	16.6	16.0	14.6	11.3	6.5
18	*****	19.9	19.8	19.5	19.0	18.5	17.9	17.4	16.8	16.2	15.5	14.2	11.0	6.3
19	*****	19.4	19.3	19.0	18.5	18.0	17.5	16.9	16.3	15.7	15.1	13.8	10.7	6.2
20	*****	18.9	18.8	18.5	18.0	17.5	17.0	16.5	15.9	15.3	14.7	13.4	10.4	6.0
21	*****	18.5	18.4	18.1	17.7	17.2	16.7	16.2	15.6	15.0	14.4	13.1	10.2	5.9
22	*****	18.0	18.0	17.7	17.2	16.7	16.2	15.7	15.2	14.6	14.0	12.8	9.9	5.7
23	*****	17.6	17.6	17.3	16.8	16.4	15.9	15.4	14.8	14.3	13.7	12.5	9.7	5.6
24	*****	17.3	17.2	16.9	16.5	16.0	15.5	15.0	14.5	14.0	13.4	12.3	9.5	5.5
25	*****	16.9	16.8	16.6	16.1	15.7	15.2	14.7	14.2	13.7	13.2	12.0	9.3	5.4
30	*****	15.5	15.4	15.1	14.7	14.3	13.9	13.4	13.0	12.5	12.0	11.0	8.5	4.9
35	*****	14.3	14.2	14.0	13.6	13.3	12.9	12.5	12.0	11.6	11.1	10.2	7.9	4.5
40	*****	13.4	13.3	13.1	12.8	12.4	12.0	11.6	11.3	10.8	10.4	9.5	7.4	4.3
45	*****	12.6	12.6	12.4	12.0	11.7	11.3	11.0	10.6	10.2	9.8	9.0	6.9	4.0
50	*****	11.9	11.9	11.7	11.4	11.1	10.8	10.4	10.1	9.7	9.3	8.5	6.6	3.8
55	*****	11.4	11.4	11.2	10.9	10.6	10.3	9.9	9.6	9.2	8.9	8.1	6.3	3.6
60	*****	10.9	10.9	10.7	10.4	10.1	9.8	9.5	9.2	8.9	8.5	7.8	6.0	3.5
65	*****	10.5	10.4	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.5	5.8	3.3
70	*****	10.1	10.1	9.9	9.6	9.4	9.1	8.8	8.5	8.2	7.9	7.2	5.6	3.2
75	*****	*****	9.7	9.6	9.3	9.1	8.8	8.5	8.2	7.9	7.6	6.9	5.4	3.1
80	*****	*****	9.4	9.3	9.0	8.8	8.5	8.2	8.0	7.7	7.4	6.7	5.2	3.0
85	*****	*****	9.1	9.0	8.8	8.5	8.3	8.0	7.7	7.4	7.1	6.5	5.1	2.9
90	*****	*****	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9	6.3	4.9	2.8
95	*****	*****	8.6	8.5	8.3	8.0	7.8	7.6	7.3	7.0	6.8	6.2	4.8	2.8
100	*****	*****	8.4	8.3	8.1	7.8	7.6	7.4	7.1	6.9	6.6	6.0	4.7	2.7
125	*****	*****	7.5	7.4	7.2	7.0	6.8	6.6	6.4	6.1	5.9	5.4	4.2	2.4
150	*****	*****	*****	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	4.9	3.8	2.2
200	*****	*****	*****	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.7	4.3	3.3	1.9

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*

Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

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%
250	*****	*****	*****	5.2	5.1	5.0	4.8	4.7	4.5	4.3	4.2	3.8	2.9	1.7
300	*****	*****	*****	4.8	4.7	4.5	4.4	4.3	4.1	4.0	3.8	3.5	2.7	1.6
350	*****	*****	*****	4.4	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.2	2.5	1.4
400	*****	*****	*****	*****	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.0	2.3	1.3
450	*****	*****	*****	*****	3.8	3.7	3.6	3.5	3.4	3.2	3.1	2.8	2.2	1.3
500	*****	*****	*****	*****	3.6	3.5	3.4	3.3	3.2	3.1	2.9	2.7	2.1	1.2
750	*****	*****	*****	*****	*****	2.9	2.8	2.7	2.6	2.5	2.4	2.2	1.7	1.0
1000	*****	*****	*****	*****	*****	2.5	2.4	2.3	2.3	2.2	2.1	1.9	1.5	0.9
1500	*****	*****	*****	*****	*****	*****	*****	1.9	1.8	1.8	1.7	1.6	1.2	0.7
2000	*****	*****	*****	*****	*****	*****	*****	*****	1.6	1.5	1.5	1.3	1.0	0.6
3000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.1	0.9	0.5
4000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.4
5000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.4
6000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.3

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

Manitoba

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	*****	50.2	50.0	49.2	47.9	46.5	45.1	43.7	42.2	40.7	39.1	35.7	27.6	16.0
2	*****	35.5	35.3	34.8	33.8	32.9	31.9	30.9	29.9	28.8	27.6	25.2	19.5	11.3
3	*****	29.0	28.8	28.4	27.6	26.9	26.1	25.2	24.4	23.5	22.6	20.6	16.0	9.2
4	*****	25.1	25.0	24.6	23.9	23.3	22.6	21.8	21.1	20.3	19.5	18.2	13.8	8.0
5	*****	22.5	22.3	22.0	21.4	20.8	20.2	19.5	18.9	18.2	17.5	16.0	12.4	7.1
6	*****	20.5	20.4	20.1	19.5	19.0	18.4	17.8	17.2	16.6	16.0	14.6	11.3	6.5
7	*****	19.0	18.9	18.6	18.1	17.6	17.1	16.5	16.0	15.4	14.8	13.5	10.4	6.0
8	*****	*****	17.7	17.4	16.9	16.4	16.0	15.5	14.9	14.4	13.8	12.6	9.8	5.6
9	*****	*****	16.7	16.4	16.0	15.5	15.0	14.6	14.1	13.6	13.0	11.9	9.2	5.3
10	*****	*****	15.8	15.6	15.1	14.7	14.3	13.8	13.4	12.9	12.4	11.3	8.7	5.0
11	*****	*****	15.1	14.8	14.4	14.0	13.6	13.2	12.7	12.3	11.8	10.8	8.3	4.8
12	*****	*****	14.4	14.2	13.8	13.4	13.0	12.6	12.2	11.7	11.3	10.3	8.0	4.6
13	*****	*****	13.9	13.6	13.3	12.9	12.5	12.1	11.7	11.3	10.8	9.9	7.7	4.4
14	*****	*****	13.4	13.1	12.8	12.4	12.1	11.7	11.3	10.9	10.4	9.5	7.4	4.3
15	*****	*****	12.9	12.7	12.4	12.0	11.7	11.3	10.9	10.5	10.1	9.2	7.1	4.1
16	*****	*****	*****	12.3	12.0	11.6	11.3	10.9	10.6	10.2	9.8	8.9	6.9	4.0
17	*****	*****	*****	11.9	11.6	11.3	10.9	10.6	10.2	9.9	9.5	8.7	6.7	3.9
18	*****	*****	*****	11.6	11.3	11.0	10.6	10.3	10.0	9.6	9.2	8.4	6.5	3.8
19	*****	*****	*****	11.3	11.0	10.7	10.4	10.0	9.7	9.3	9.0	8.2	6.3	3.7
20	*****	*****	*****	11.0	10.7	10.4	10.1	9.8	9.4	9.1	8.7	8.0	6.2	3.6
21	*****	*****	*****	10.7	10.4	10.2	9.8	9.5	9.2	8.9	8.5	7.8	6.0	3.5
22	*****	*****	*****	10.5	10.2	9.9	9.6	9.3	9.0	8.7	8.3	7.6	5.9	3.4
23	*****	*****	*****	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.4	5.8	3.3
24	*****	*****	*****	10.0	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.3	5.6	3.3
25	*****	*****	*****	9.8	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.1	5.5	3.2
30	*****	*****	*****	9.0	8.7	8.5	8.2	8.0	7.7	7.4	7.1	6.5	5.0	2.9
35	*****	*****	*****	8.3	8.1	7.9	7.6	7.4	7.1	6.9	6.6	6.0	4.7	2.7
40	*****	*****	*****	*****	7.6	7.4	7.1	6.9	6.7	6.4	6.2	5.6	4.4	2.5
45	*****	*****	*****	*****	7.1	6.9	6.7	6.5	6.3	6.1	5.8	5.3	4.1	2.4
50	*****	*****	*****	*****	6.8	6.6	6.4	6.2	6.0	5.8	5.5	5.0	3.9	2.3
55	*****	*****	*****	*****	6.5	6.3	6.1	5.9	5.7	5.5	5.3	4.8	3.7	2.2
60	*****	*****	*****	*****	6.2	6.0	5.8	5.6	5.5	5.3	5.0	4.6	3.6	2.1
65	*****	*****	*****	*****	5.9	5.8	5.6	5.4	5.2	5.0	4.8	4.4	3.4	2.0
70	*****	*****	*****	*****	5.7	5.6	5.4	5.2	5.0	4.9	4.7	4.3	3.3	1.9
75	*****	*****	*****	*****	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.1	3.2	1.8
80	*****	*****	*****	*****	*****	5.2	5.0	4.9	4.7	4.5	4.4	4.0	3.1	1.8
85	*****	*****	*****	*****	*****	5.0	4.9	4.7	4.6	4.4	4.2	3.9	3.0	1.7
90	*****	*****	*****	*****	*****	4.9	4.8	4.6	4.5	4.3	4.1	3.8	2.9	1.7
95	*****	*****	*****	*****	*****	4.8	4.6	4.5	4.3	4.2	4.0	3.7	2.8	1.6
100	*****	*****	*****	*****	*****	4.7	4.5	4.4	4.2	4.1	3.9	3.6	2.8	1.6
125	*****	*****	*****	*****	*****	4.0	3.9	3.9	3.8	3.6	3.5	3.2	2.5	1.4
150	*****	*****	*****	*****	*****	3.7	3.7	3.6	3.4	3.3	3.2	2.9	2.3	1.3
200	*****	*****	*****	*****	*****	*****	3.0	2.9	2.9	2.9	2.8	2.5	2.0	1.1

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*



Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

Manitoba

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%
250	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
300	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
350	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
400	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
450	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
500	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

Saskatchewan

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	*****	44.2	43.9	43.3	42.1	40.9	39.7	38.4	37.1	35.8	34.4	31.4	24.3	14.0
2	*****	31.2	31.1	30.6	29.8	29.8	28.1	27.2	26.3	25.3	24.3	22.2	17.2	9.9
3	*****	25.5	25.4	25.0	24.3	23.6	22.9	22.2	21.4	20.7	19.9	18.1	14.0	8.1
4	*****	22.1	22.0	21.6	21.1	20.5	19.9	19.2	18.6	17.9	17.2	15.7	12.2	7.0
5	*****	19.8	19.7	19.3	18.8	18.3	17.8	17.2	16.6	16.0	15.4	14.0	10.9	6.3
6	*****	18.0	17.9	17.7	17.2	16.7	16.2	15.7	15.2	14.6	14.0	12.8	9.9	5.7
7	*****	*****	16.6	16.4	15.9	15.5	15.0	14.5	14.0	13.5	13.0	11.9	9.2	5.3
8	*****	*****	15.5	15.3	14.9	14.5	14.0	13.6	13.1	12.7	12.2	11.1	8.6	5.0
9	*****	*****	14.6	14.4	14.0	13.6	13.2	12.8	12.4	11.9	11.5	10.5	8.1	4.7
10	*****	*****	13.9	13.7	13.3	12.9	12.6	12.2	11.7	11.3	10.9	9.9	7.7	4.4
11	*****	*****	13.2	13.0	12.7	12.3	12.0	11.6	11.2	10.8	10.4	9.5	7.3	4.2
12	*****	*****	12.7	12.5	12.2	11.8	11.5	11.1	10.7	10.3	9.9	9.1	7.0	4.1
13	*****	*****	12.2	12.0	11.7	11.4	11.0	10.7	10.3	9.9	9.5	8.7	6.7	3.9
14	*****	*****	*****	11.6	11.3	10.9	10.6	10.3	9.9	9.6	9.2	8.4	6.5	3.8
15	*****	*****	*****	11.2	10.9	10.6	10.3	9.9	9.6	9.2	8.9	8.1	6.3	3.6
16	*****	*****	*****	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	7.8	6.1	3.5
17	*****	*****	*****	10.5	10.2	9.9	9.6	9.3	9.0	8.7	8.3	7.6	5.9	3.4
18	*****	*****	*****	10.2	9.9	9.6	9.4	9.1	8.8	8.4	8.1	7.4	5.7	3.3
19	*****	*****	*****	9.9	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.2	5.6	3.2
20	*****	*****	*****	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.0	5.4	3.1
21	*****	*****	*****	9.4	9.2	8.9	8.7	8.4	8.1	7.8	7.5	6.8	5.3	3.1
22	*****	*****	*****	9.2	9.0	8.7	8.5	8.2	7.9	7.6	7.3	6.7	5.2	3.0
23	*****	*****	*****	9.0	8.8	8.5	8.3	8.0	7.7	7.5	7.2	6.5	5.1	2.9
24	*****	*****	*****	8.8	8.6	8.4	8.1	7.8	7.6	7.3	7.0	6.4	5.0	2.9
25	*****	*****	*****	8.7	8.4	8.2	7.9	7.7	7.4	7.2	6.9	6.3	4.9	2.8
30	*****	*****	*****	7.9	7.7	7.5	7.2	7.0	6.8	6.5	6.3	5.7	4.4	2.6
35	*****	*****	*****	*****	7.1	6.9	6.7	6.5	6.3	6.0	5.8	5.3	4.1	2.4
40	*****	*****	*****	*****	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.0	3.8	2.2
45	*****	*****	*****	*****	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.7	3.6	2.1
50	*****	*****	*****	*****	6.0	5.8	5.6	5.4	5.2	5.0	4.8	4.4	3.4	2.0
55	*****	*****	*****	*****	5.7	5.5	5.4	5.2	5.0	4.8	4.6	4.1	3.3	1.9
60	*****	*****	*****	*****	5.4	5.3	5.1	5.0	4.8	4.6	4.4	4.1	3.1	1.8
65	*****	*****	*****	*****	5.2	5.1	4.9	4.8	4.6	4.4	4.3	3.9	3.0	1.7
70	*****	*****	*****	*****	*****	4.9	4.7	4.6	4.4	4.3	4.1	3.8	2.9	1.7
75	*****	*****	*****	*****	*****	4.7	4.6	4.4	4.3	4.1	4.0	3.6	2.8	1.6
80	*****	*****	*****	*****	*****	4.6	4.4	4.3	4.2	4.0	3.8	3.5	2.7	1.6
85	*****	*****	*****	*****	*****	4.4	4.3	4.2	4.0	3.9	3.7	3.4	2.6	1.5
90	*****	*****	*****	*****	*****	4.3	4.2	4.1	3.9	3.8	3.6	3.3	2.6	1.5
95	*****	*****	*****	*****	*****	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
100	*****	*****	*****	*****	*****	4.1	4.0	3.8	3.7	3.6	3.4	3.1	2.4	1.4
125	*****	*****	*****	*****	*****	3.6	3.6	3.4	3.3	3.2	3.1	2.8	2.2	1.3
150	*****	*****	*****	*****	*****	*****	3.6	3.4	3.3	3.2	3.1	2.8	2.2	1.1
200	*****	*****	*****	*****	*****	*****	3.1	3.1	3.0	2.9	2.8	2.6	2.0	1.1
200	*****	*****	*****	*****	*****	*****	*****	2.5	2.6	2.5	2.4	2.2	1.7	1.0

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*

Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

Saskatchewan

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%
250	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	2.2	2.0	1.5	0.9
300	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.8	1.4	0.8
350	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.3	0.8
400	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.2	0.7
450	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.1	0.7
500	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.1	0.6

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

Alberta

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	55.5	55.2	54.9	54.1	52.6	51.2	49.6	48.1	46.4	44.7	43.0	39.2	30.4	17.5
2	*****	39.0	38.8	38.2	37.2	36.2	35.1	34.0	32.8	31.6	30.4	27.7	21.5	12.4
3	*****	31.9	31.7	31.2	30.4	29.5	28.7	27.7	26.8	25.8	24.8	22.7	17.5	10.1
4	*****	27.6	27.5	27.0	26.3	25.6	24.8	24.0	23.2	22.4	21.5	19.6	15.2	8.8
5	*****	24.7	24.6	24.2	23.5	22.9	22.2	21.5	20.8	20.0	19.2	17.5	13.6	7.8
6	*****	22.5	22.4	22.1	21.5	20.9	20.3	19.6	19.0	18.3	17.5	16.0	12.4	7.2
7	*****	20.9	20.8	20.4	19.9	19.3	18.8	18.2	17.5	16.9	16.2	14.8	11.5	6.6
8	*****	19.5	19.4	19.1	18.6	18.1	17.5	17.0	16.4	15.8	15.2	13.9	10.7	6.2
9	*****	18.4	18.3	18.0	17.5	17.1	16.5	16.0	15.5	14.9	14.3	13.1	10.1	5.8
10	*****	17.5	17.4	17.1	16.6	16.2	15.7	15.2	14.7	14.1	13.6	12.4	9.6	5.5
11	*****	16.6	16.6	16.3	15.9	15.4	15.0	14.5	14.0	13.5	13.0	11.8	8.8	5.1
12	*****	15.9	15.9	15.6	15.2	14.8	14.3	13.9	13.4	12.9	12.4	11.3	8.4	4.9
13	*****	15.3	15.2	15.0	14.6	14.2	13.8	13.3	12.9	12.4	11.9	10.9	8.1	4.7
14	*****	14.8	14.7	14.5	14.1	13.7	13.3	12.8	12.4	12.0	11.5	10.5	7.8	4.5
15	*****	14.3	14.2	14.0	13.6	13.2	12.8	12.4	12.0	11.6	11.1	10.1	7.4	4.3
16	*****	13.8	13.7	13.5	13.2	12.8	12.4	12.0	11.6	11.2	10.7	9.8	7.2	4.1
17	*****	13.4	13.3	13.1	12.8	12.4	12.0	11.7	11.3	10.9	10.5	9.5	7.0	4.0
18	*****	*****	*****	12.9	12.7	12.4	12.1	11.7	11.4	11.0	10.7	10.3	7.8	3.9
19	*****	*****	12.6	12.4	12.1	11.7	11.4	11.0	10.7	10.3	9.9	9.0	6.8	3.7
20	*****	*****	12.3	12.1	11.8	11.4	11.1	10.7	10.4	10.0	9.6	8.8	6.5	3.8
21	*****	*****	12.0	11.8	11.5	11.2	10.8	10.5	10.1	9.8	9.4	8.6	6.3	3.7
22	*****	*****	11.7	11.5	11.2	10.9	10.6	10.2	9.9	9.5	9.2	8.4	6.2	3.6
23	*****	*****	11.5	11.3	11.0	10.7	10.3	10.0	9.7	9.3	9.0	8.2	6.1	3.5
24	*****	*****	11.2	11.0	10.7	10.4	10.1	9.8	9.5	9.1	8.8	8.0	5.9	3.4
25	*****	*****	11.0	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	7.8	5.7	3.3
30	*****	*****	10.0	9.9	9.6	9.3	9.1	8.8	8.5	8.2	7.8	7.2	5.5	3.2
35	*****	*****	9.3	9.1	8.9	8.6	8.4	8.1	7.8	7.6	7.3	6.6	5.1	3.0
40	*****	*****	8.6	8.6	8.3	8.1	7.8	7.6	7.3	7.1	6.8	6.2	4.8	2.8
45	*****	*****	8.1	8.1	7.8	7.6	7.4	7.2	6.9	6.7	6.4	5.8	4.5	2.6
50	*****	*****	7.6	7.6	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.5	4.3	2.5
55	*****	*****	7.3	7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.8	5.3	4.1	2.4
60	*****	*****	7.0	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.5	5.1	3.9	2.3
65	*****	*****	6.7	6.7	6.5	6.3	6.2	6.0	5.8	5.5	5.3	4.9	3.8	2.2
70	*****	*****	6.5	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.7	3.6	2.1
75	*****	*****	6.2	6.2	6.1	5.9	5.7	5.5	5.4	5.2	5.0	4.5	3.5	2.0
80	*****	*****	6.0	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
85	*****	*****	5.9	5.9	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.3	3.3	1.9
90	*****	*****	*****	*****	5.5	5.4	5.2	5.1	4.9	4.7	4.5	4.1	3.2	1.8
95	*****	*****	*****	*****	5.4	5.2	5.1	4.9	4.8	4.6	4.4	4.0	3.1	1.8
100	*****	*****	*****	*****	5.3	5.1	5.0	4.8	4.6	4.5	4.3	3.9	3.0	1.8
125	*****	*****	*****	*****	4.7	4.6	4.4	4.3	4.2	4.0	3.8	3.5	2.7	1.6
150	*****	*****	*****	*****	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.2	2.5	1.4
200	*****	*****	*****	*****	*****	3.6	3.5	3.4	3.3	3.2	3.0	2.8	2.1	1.2

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*

Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

Alberta

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%
250	*****	*****	*****	*****	*****	3.2	3.1	3.0	2.9	2.8	2.7	2.5	1.9	1.1
300	*****	*****	*****	*****	*****	*****	2.9	2.8	2.7	2.6	2.5	2.3	1.8	1.0
350	*****	*****	*****	*****	*****	*****	2.7	2.6	2.5	2.4	2.3	2.1	1.6	0.9
400	*****	*****	*****	*****	*****	*****	*****	2.4	2.3	2.2	2.1	2.0	1.5	0.9
450	*****	*****	*****	*****	*****	*****	*****	*****	2.2	2.1	2.0	1.8	1.4	0.8
500	*****	*****	*****	*****	*****	*****	*****	*****	2.1	2.0	1.9	1.8	1.4	0.8
750	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.4	1.1	0.6
1000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.0	0.6
1500	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.5

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

British Columbia

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	80.0	79.7	79.2	78.0	75.9	73.8	71.6	69.3	67.0	64.5	62.0	56.6	43.8	25.3
2	56.6	56.3	56.0	55.2	53.7	52.6	50.6	49.0	47.4	45.6	43.8	40.0	31.0	17.9
3	*****	46.0	45.8	45.0	43.8	42.6	41.3	40.0	38.7	37.3	35.8	32.7	25.3	14.6
4	*****	39.8	39.6	39.0	38.0	36.9	35.8	34.7	33.5	32.3	31.0	28.3	21.9	12.7
5	*****	35.6	35.4	34.9	34.0	33.0	32.0	31.0	30.0	28.9	27.7	25.3	19.6	11.3
6	*****	32.5	32.4	31.9	31.0	30.1	29.2	28.3	27.3	26.3	25.3	23.1	17.9	10.3
7	*****	30.1	30.0	29.5	28.7	27.9	27.1	26.2	25.3	24.4	23.4	21.4	16.6	9.6
8	*****	28.2	28.0	27.6	26.9	26.1	25.3	24.5	23.7	22.8	21.9	20.0	15.5	9.0
9	*****	26.6	26.4	26.0	25.3	24.6	23.9	23.1	22.3	21.5	20.7	18.9	14.6	8.4
10	*****	25.2	25.1	24.7	24.0	23.3	22.6	21.9	21.2	20.4	19.6	17.9	13.9	8.0
11	*****	24.0	23.9	23.5	22.9	22.3	21.6	20.9	20.2	19.5	18.7	17.1	13.2	7.6
12	*****	23.0	22.9	22.5	21.9	21.3	20.7	20.0	19.3	18.6	17.9	16.3	12.7	7.3
13	*****	22.1	22.0	21.6	21.1	20.5	19.9	19.2	18.6	17.9	17.2	15.7	12.2	7.0
14	*****	21.3	21.2	20.9	20.3	19.7	19.1	18.5	17.9	17.2	16.6	15.1	11.7	6.8
15	*****	20.6	20.5	20.1	19.6	19.1	18.5	17.9	17.3	16.7	16.0	14.6	11.3	6.5
16	*****	19.9	19.8	19.5	19.0	18.5	17.9	17.3	16.7	16.1	15.5	14.2	11.0	6.3
17	*****	19.3	19.2	18.9	18.4	17.9	17.4	16.8	16.2	15.7	15.0	13.7	10.6	6.1
18	*****	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
19	*****	18.3	18.2	17.9	17.4	16.9	16.4	15.9	15.4	14.8	14.2	13.0	10.1	5.8
20	*****	17.8	17.7	17.4	17.0	16.6	16.1	15.6	15.0	14.4	13.9	12.7	9.8	5.7
21	*****	17.4	17.3	17.0	16.6	16.1	15.6	15.1	14.6	14.1	13.5	12.4	9.6	5.5
22	*****	17.0	16.9	16.6	16.2	15.7	15.3	14.8	14.3	13.8	13.2	12.1	9.3	5.4
23	*****	16.6	16.5	16.3	15.9	15.4	14.9	14.5	14.0	13.5	12.9	11.8	9.1	5.3
24	*****	16.2	16.2	15.9	15.5	15.1	14.6	14.2	13.7	13.2	12.7	11.6	9.0	5.2
25	*****	15.8	15.8	15.6	15.2	14.8	14.3	13.9	13.4	12.9	12.4	11.3	8.8	5.1
30	*****	14.5	14.2	13.9	13.5	13.1	12.7	12.3	11.8	11.3	10.8	10.3	8.0	4.6
35	*****	13.4	13.2	12.8	12.5	12.1	11.7	11.3	10.9	10.5	10.1	9.6	7.4	4.3
40	*****	12.5	12.3	12.0	11.7	11.3	11.0	10.6	10.2	9.8	9.4	9.0	6.9	4.0
45	*****	11.8	11.6	11.3	11.0	10.7	10.4	10.1	9.8	9.5	9.2	8.4	6.5	3.8
50	*****	11.0	10.8	10.5	10.2	10.0	9.7	9.3	9.0	8.7	8.4	8.0	6.2	3.6
55	*****	10.5	10.2	10.0	9.7	9.5	9.2	8.9	8.6	8.3	8.0	7.6	5.9	3.4
60	*****	10.1	9.8	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.3	5.7	3.3
65	*****	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.5	7.2	6.8	5.2	3.0
70	*****	9.3	9.1	8.8	8.5	8.3	8.0	7.7	7.5	7.2	6.9	6.5	5.1	2.9
75	*****	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.3	7.0	6.7	6.3	4.9	2.8
80	*****	8.7	8.5	8.2	8.0	7.8	7.5	7.3	7.1	6.8	6.5	6.0	4.8	2.7
85	*****	8.5	8.2	8.0	7.8	7.6	7.3	7.1	6.9	6.6	6.4	5.8	4.6	2.7
90	*****	8.2	8.0	7.8	7.6	7.4	7.2	6.9	6.7	6.5	6.2	5.7	4.4	2.6
95	*****	8.0	7.8	7.6	7.4	7.2	6.9	6.7	6.5	6.3	6.0	5.5	4.4	2.5
100	*****	7.8	7.6	7.4	7.2	6.9	6.7	6.5	6.3	6.1	5.8	5.3	4.3	2.3
125	*****	7.8	7.6	7.4	7.2	6.9	6.7	6.5	6.3	6.1	5.8	5.3	4.3	2.3
150	*****	7.8	7.6	7.4	7.2	6.9	6.7	6.5	6.3	6.1	5.8	5.3	4.3	2.3
200	*****	7.8	7.6	7.4	7.2	6.9	6.7	6.5	6.3	6.1	5.8	5.3	4.3	2.3

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

British Columbia

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%
250	*****	*****	*****	*****	*****	4.7	4.5	4.4	4.2	4.1	3.9	3.6	2.8	1.6
300	*****	*****	*****	*****	*****	4.3	4.1	4.0	3.9	3.7	3.6	3.3	2.5	1.5
350	*****	*****	*****	*****	*****	3.9	3.8	3.7	3.6	3.4	3.3	3.0	2.3	1.4
400	*****	*****	*****	*****	*****	*****	3.6	3.5	3.3	3.2	3.1	2.8	2.2	1.3
450	*****	*****	*****	*****	*****	*****	3.4	3.3	3.2	3.0	2.9	2.7	2.1	1.2
500	*****	*****	*****	*****	*****	*****	*****	3.1	3.0	2.9	2.8	2.5	2.0	1.1
750	*****	*****	*****	*****	*****	*****	*****	*****	*****	2.4	2.3	2.1	1.6	0.9
1000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.8	1.4	0.8
1500	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.1	0.7
2000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

Atlantic Provinces

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	39.2	39.0	38.8	38.2	37.2	36.1	35.1	34.0	32.8	31.6	30.4	27.7	21.5	12.4
2	*****	27.6	27.4	27.0	26.3	25.6	24.8	24.0	23.2	22.4	21.5	19.6	15.2	8.8
3	*****	22.5	22.4	22.1	21.5	20.9	20.2	19.6	18.9	18.2	17.5	16.0	12.4	7.2
4	*****	19.5	19.4	19.1	18.6	18.1	17.5	17.0	16.4	15.8	15.2	13.9	10.7	6.2
5	*****	17.4	17.4	17.1	16.6	16.2	15.7	15.2	14.7	14.1	13.6	12.4	9.6	5.5
6	*****	15.9	15.8	15.6	15.4	15.1	14.8	14.3	13.9	13.4	12.9	11.3	8.8	5.1
7	*****	14.7	14.7	14.4	14.1	13.7	13.3	12.8	12.4	11.9	11.5	10.5	8.1	4.7
8	*****	13.8	13.7	13.5	13.2	12.8	12.4	12.0	11.6	11.2	10.7	9.8	7.6	4.4
9	*****	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
10	*****	12.3	12.3	12.1	11.8	11.4	11.1	10.7	10.4	10.0	9.6	8.8	6.8	3.9
11	*****	11.8	11.7	11.5	11.2	10.9	10.6	10.2	9.9	9.5	9.2	8.4	6.5	3.7
12	*****	11.3	11.2	11.0	10.6	10.3	10.1	9.8	9.5	9.1	8.8	8.0	6.2	3.6
13	*****	10.8	10.8	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.4	7.7	6.0	3.4
14	*****	10.4	10.4	10.2	9.9	9.6	9.4	9.1	8.8	8.4	8.1	7.4	5.7	3.3
15	*****	10.1	10.1	10.0	9.6	9.3	9.1	8.8	8.5	8.2	7.8	7.2	5.5	3.2
16	*****	9.8	9.7	9.6	9.3	9.0	8.8	8.5	8.2	7.9	7.6	6.9	5.4	3.1
17	*****	*****	9.4	9.3	9.0	8.8	8.5	8.2	8.0	7.7	7.4	6.7	5.2	3.0
18	*****	*****	9.1	9.0	8.8	8.5	8.3	8.0	7.7	7.5	7.2	6.5	5.1	2.9
19	*****	*****	8.9	8.8	8.5	8.3	8.0	7.8	7.5	7.3	7.0	6.4	4.9	2.8
20	*****	*****	8.7	8.5	8.3	8.1	7.8	7.6	7.3	7.1	6.8	6.2	4.8	2.8
21	*****	*****	8.5	8.3	8.1	7.9	7.7	7.4	7.2	7.0	6.6	6.0	4.7	2.7
22	*****	*****	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.7	6.5	5.9	4.6	2.6
23	*****	*****	8.1	8.0	7.8	7.5	7.3	7.1	6.8	6.6	6.3	5.7	4.5	2.6
24	*****	*****	7.9	7.8	7.6	7.4	7.2	6.9	6.7	6.5	6.2	5.7	4.4	2.5
25	*****	*****	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.5	4.3	2.5
30	*****	*****	7.1	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.5	5.1	3.9	2.3
35	*****	*****	*****	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.7	3.6	2.1
40	*****	*****	*****	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8	4.4	3.4	2.0
45	*****	*****	*****	5.7	5.5	5.4	5.2	5.1	4.9	4.7	4.5	4.1	3.2	1.8
50	*****	*****	*****	5.4	5.3	5.1	5.0	4.8	4.6	4.5	4.3	3.9	3.0	1.8
55	*****	*****	*****	5.2	5.0	4.9	4.7	4.6	4.4	4.3	4.1	3.7	2.9	1.7
60	*****	*****	*****	4.9	4.8	4.7	4.5	4.4	4.2	4.1	3.9	3.6	2.8	1.6
65	*****	*****	*****	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.4	2.7	1.5
70	*****	*****	*****	4.6	4.4	4.3	4.2	4.1	3.9	3.8	3.6	3.3	2.6	1.5
75	*****	*****	*****	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.5	3.2	2.5	1.4
80	*****	*****	*****	4.3	4.2	4.0	3.9	3.8	3.7	3.5	3.4	3.1	2.4	1.4
85	*****	*****	*****	4.3	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.0	2.3	1.3
90	*****	*****	*****	*****	3.9	3.8	3.7	3.6	3.5	3.3	3.2	2.9	2.3	1.3
95	*****	*****	*****	*****	3.8	3.7	3.6	3.5	3.4	3.2	3.1	2.8	2.2	1.3
100	*****	*****	*****	*****	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.8	2.2	1.2
125	*****	*****	*****	*****	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.8	2.1	1.2
150	*****	*****	*****	*****	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.5	1.9	1.1
200	*****	*****	*****	*****	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.3	1.8	1.0
*****	*****	*****	*****	*****	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.5	0.9

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*



Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

Atlantic Provinces

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%
250	*****	*****	*****	*****	*****	2.3	2.2	2.1	2.1	2.0	1.9	1.8	1.4	0.8
300	*****	*****	*****	*****	*****	*****	2.0	2.0	1.9	1.8	1.8	1.6	1.2	0.7
350	*****	*****	*****	*****	*****	*****	*****	1.8	1.8	1.7	1.6	1.5	1.1	0.7
400	*****	*****	*****	*****	*****	*****	*****	1.7	1.6	1.6	1.5	1.4	1.1	0.6
450	*****	*****	*****	*****	*****	*****	*****	*****	1.5	1.5	1.4	1.3	1.0	0.6
500	*****	*****	*****	*****	*****	*****	*****	*****	1.5	1.4	1.4	1.2	1.0	0.6
750	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.0	0.8	0.5
1000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.7	0.4
1500	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.3

Notes: For correct usage of these tables refer to the Microdata Documentation

Approximate Sampling Variability Tables  
 Adult education and training survey - Nov 1990

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%
1	50.6	50.3	49.5	48.2	46.8	45.4	44.0	42.5	41.0	39.4	35.9	27.8	16.1
2	35.8	35.6	35.0	34.1	33.1	32.1	31.1	30.1	29.0	27.8	25.4	19.7	11.4
3	29.3	29.0	28.6	27.8	27.0	26.2	25.4	24.5	23.7	22.7	20.7	16.1	9.3
4	*****	25.2	24.8	24.1	23.4	22.7	22.0	21.3	20.5	19.7	18.0	13.9	8.0
5	*****	22.6	22.1	21.6	21.0	20.3	19.7	19.0	18.3	17.6	16.1	12.4	7.2
6	*****	20.6	20.5	20.2	19.7	19.1	18.6	18.0	17.4	16.7	15.5	11.4	6.6
7	*****	19.1	19.0	18.7	18.2	17.7	17.2	16.6	16.1	15.5	14.7	10.5	6.1
8	*****	17.9	17.8	17.5	17.0	16.6	16.1	15.6	15.0	14.5	13.9	9.8	5.7
9	*****	16.9	16.8	16.5	16.1	15.6	15.1	14.7	14.2	13.7	13.1	9.3	5.4
10	*****	16.0	15.9	15.7	15.2	14.8	14.4	13.9	13.4	13.0	12.4	8.8	5.1
11	*****	15.2	15.2	14.9	14.5	14.1	13.7	13.3	12.8	12.4	11.8	8.4	4.8
12	*****	14.6	14.5	14.3	13.9	13.5	13.1	12.7	12.3	11.8	11.4	8.0	4.6
13	*****	14.0	14.0	13.7	13.4	13.0	12.6	12.2	11.8	11.4	10.9	7.7	4.5
14	*****	13.5	13.4	13.2	12.9	12.5	12.1	11.8	11.4	10.9	10.5	7.4	4.3
15	*****	13.1	13.0	12.8	12.4	12.1	11.7	11.4	11.0	10.6	10.2	7.2	4.1
16	*****	12.6	12.6	12.4	12.1	11.7	11.4	11.0	10.6	10.2	9.8	7.0	4.0
17	*****	12.3	12.2	12.0	11.7	11.4	11.0	10.7	10.3	9.9	9.5	6.8	3.9
18	*****	11.9	11.9	11.7	11.4	11.0	10.7	10.4	10.0	9.7	9.3	6.6	3.8
19	*****	11.6	11.5	11.4	11.1	10.7	10.4	10.1	9.8	9.4	9.0	6.4	3.7
20	*****	11.3	11.2	11.1	10.8	10.5	10.2	9.8	9.5	9.2	8.8	6.2	3.6
21	*****	11.0	11.0	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.5	6.1	3.5
22	*****	10.8	10.7	10.6	10.3	10.0	9.7	9.4	9.1	8.7	8.2	5.9	3.4
23	*****	10.5	10.5	10.3	10.1	9.8	9.5	9.2	8.9	8.5	8.0	5.8	3.4
24	*****	10.3	10.3	10.1	9.8	9.6	9.3	9.0	8.7	8.4	7.9	5.7	3.3
25	*****	10.1	10.1	9.9	9.6	9.4	9.1	8.8	8.5	8.2	7.7	5.6	3.2
30	*****	9.2	9.2	9.0	8.8	8.6	8.3	8.0	7.8	7.5	7.2	5.1	2.9
35	*****	8.5	8.5	8.4	8.1	7.9	7.7	7.4	7.2	6.9	6.6	4.7	2.7
40	*****	8.0	8.0	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.2	4.4	2.5
45	*****	7.5	7.5	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.9	4.1	2.4
50	*****	7.1	7.1	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.5	3.9	2.3
55	*****	6.8	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.1	3.8	2.2
60	*****	6.5	6.5	6.4	6.2	6.0	5.9	5.7	5.5	5.3	4.9	3.6	2.1
65	*****	6.2	6.2	6.1	6.0	5.8	5.6	5.5	5.3	5.1	4.8	3.5	2.0
70	*****	*****	*****	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.7	3.3	1.9
75	*****	*****	*****	5.7	5.6	5.4	5.2	5.1	4.9	4.7	4.5	3.2	1.9
80	*****	*****	*****	5.5	5.4	5.2	5.1	4.9	4.8	4.6	4.4	3.1	1.8
85	*****	*****	*****	5.4	5.2	5.1	4.9	4.8	4.6	4.4	4.3	3.0	1.7
90	*****	*****	*****	5.2	5.1	4.9	4.8	4.6	4.5	4.3	4.1	2.9	1.7
95	*****	*****	*****	5.1	4.9	4.8	4.6	4.5	4.3	4.2	4.0	2.9	1.6
100	*****	*****	*****	5.0	4.8	4.7	4.5	4.4	4.2	4.1	3.9	2.8	1.6
125	*****	*****	*****	4.4	4.3	4.2	4.1	3.9	3.8	3.7	3.6	2.5	1.4
150	*****	*****	*****	4.0	3.9	3.8	3.7	3.6	3.5	3.3	3.2	2.3	1.3
200	*****	*****	*****	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.0	1.1

Notes: For correct usage of these tables refer to the Microdata Documentation

\*\*\* CONTINUES \*\*\*

Approximate Sampling Variability Tables

Adult education and training survey - Nov 1990

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%
250	*****	*****	*****	*****	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.3	1.8	1.0
300	*****	*****	*****	*****	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.1	1.6	0.9
350	*****	*****	*****	*****	*****	2.5	2.4	2.4	2.3	2.2	2.1	1.9	1.5	0.9
400	*****	*****	*****	*****	*****	2.3	2.3	2.2	2.1	2.0	2.0	1.8	1.4	0.8
450	*****	*****	*****	*****	*****	2.2	2.1	2.1	2.0	1.9	1.9	1.7	1.3	0.8
500	*****	*****	*****	*****	*****	*****	2.0	2.0	1.9	1.8	1.8	1.6	1.2	0.7
750	*****	*****	*****	*****	*****	*****	1.6	1.6	1.6	1.5	1.4	1.3	1.0	0.6
1000	*****	*****	*****	*****	*****	*****	*****	*****	*****	1.3	1.2	1.1	0.9	0.5
1500	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.9	0.7	0.4
2000	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0.6	0.4

Notes: For correct usage of these tables refer to the Microdata Documentation



**APPENDIX E**

**List of Education Codes**



## APPENDIX E

### Education Codes

The education codes found on this file are based on the Major Field of Study codes used by the Census, and some additional codes developed to reflect the unique character of the Adult Education and Training Survey (AETS). The collapsing of codes reduces the problems of small cell sizes and allows for comparisons with the 1986 Adult Training Survey. User's interested in the classification structure of the Major Field of Study codes should refer to Statistics Canada publication 99-130 "User's Guide To 1986 Census Data On Major Field of Study". For the 1990 AETS micro-data file the following coding structure has been used:

#### **EDUCATIONAL, RECREATIONAL AND COUNSELLING SERVICES**

- 001           **Education - General**
  - Education - General
  
- 002           **Elementary - Primary Education**
  - Elementary School Teaching - General
  - Elementary School Teaching - Specialized
  - Pre-school, Kindergarten and Early Childhood Education
  
- 003           **Secondary Education**
  - Secondary School Teaching
  - English Language Teaching
  - French Language Teaching
  - Other Language Teaching
  - Mathematics - Science Teaching
  - Mathematics - Computer Science Teaching
  - Social Studies Teaching
  - Secondary Basic Curriculum - Other
  - Adult/Continuing Education
  - Art and Fine Art Education
  - Commercial/Business Education
  - Family/Life Education
  - Industrial/Vocational Education
  - Music Education
  - Religious Education
  - Secondary Specialties - Other
  
- 004           **Special Education**
  - Special Education Teaching
  - Highly Gifted or Exceptional Children
  - Multicultural Education - Native
  - Multicultural Education - Other
  - Remedial Reading
  - Special Education - Other

- 005        **Non-teaching Educational Fields/Counselling Services and Personal Development**
- Audio-visual Educational Media
  - Educational Administration and Organization
  - Educational Psychology
  - Educational Statistics and Sociology
  - History, Philosophy and Theory of Education
  - Paraprofessional Teacher Aide/Educational Support
  - Counselling Services - General
  - Counselling Psychology
  - Marriage/Family/Life Skills Counselling
  - Vocational Guidance and Counselling
  - Counselling Services and Personal Development - Other
- 006        **Physical Education, Health and Recreation**
- Physical Education and Health
  - Kinesiology and Kinanthropology
  - Recreology, Recreation and Leisure Services
  - Parks/Forest/Wildlife Recreation
  - Travel and Tourism
  - Sports Technology
  - Physical Education, Health and Recreation - Other
- 007        **Other Education**
- Education, n.e.c. - Other
  - Postsecondary Teacher Training

**FINE AND APPLIED ARTS**

- 008        **Fine Arts**
- Fine Arts - General
  - Aesthetics and Art Appreciation, Art Studies
  - Art History
  - Painting and Drawing
  - Pottery and Ceramics
  - Sculpture
- 009        **Music**
- Music, Musicology
  - Composition and Conducting
  - Musical Instruments
  - Music History and Music Theory
  - Vocal Music, Singing, Opera
- 010        **Other Performing Arts**
- Performing Arts - General
  - Dance
  - Drama
  - Theatre



- 011        **Commercial and Promotional Arts/Graphic and Audio-visual Arts**  
- Commercial Art/Promotional Art - General  
- Advertising Art  
- Modelling  
- Graphic Art and Design  
- Lithography and Print Making  
- Photography  
- Recorded Music Arts  
- Printing and Publishing  
- Audio-Visual Arts
- 012        **Creative and Design Arts**  
- Creative and Design Arts - General  
- Handicrafts (Arts and Crafts)  
- Interior Design and Decorating
- 013        **Other Applied Arts**  
- Applied Arts - General  
- Barbering  
- Beauty Culture and Cosmetology  
- Hairdressing  
- Upholstery and Furniture  
- Applied Arts - Repair and Renovation

**HUMANITIES AND RELATED FIELDS**

- 014        **Classics, Classical and Dead Languages**  
- Classics, Classical Studies  
- Ancient Greek, Latin and Roman  
- Classical Languages - Other
- 015        **History**  
- History - General  
- Canadian History  
- Medieval and Ancient History  
- Modern History  
- History - Other
- 016        **Library and Records Science**  
- Library/Documentation Science  
- Museology, Museum Technology
- 017        **Mass Media Studies**  
- Mass Media Studies - General  
- Cinematography, Film Studies  
- Radio-television  
- Journalism, News Reporting

- 018        **English, French and Other Languages and Literature**  
- English Language and Literature - General  
- American Literature  
- British Literature  
- Canadian (English) Literature  
- English Language and Literature - Other  
- French Language and Literature - General  
- French Canadian Literature  
- European French Literature  
- French Language and Literature - Other  
- Comparative Literature  
- Asian Languages and Literature  
- Germanic Language and Literature  
- Italian Language and Literature  
- Slavic or East European Languages and Literature  
- Linguistics  
- Languages and Literature - Other

- 019        **Philosophy**  
- Philosophy - General  
- Ethical Philosophy  
- Modern Philosophy  
- Political Philosophy  
- Philosophy - Other

- 020        **Religious Studies**  
- Religion, Religious Studies  
- Comparative Religion  
- Divinity  
- Theology  
- Religious Studies - Other

- 021        **Other Humanities and Related Fields**  
  
- Humanities - General (General Arts)  
- Second Language Training  
- Translation and Interpretation  
- Creative Writing  
- Humanities and Related Fields, n.e.c. - Other

**SOCIAL SCIENCES AND RELATED FIELDS**

- 022        **Anthropology**  
- Anthropology - General  
- Ethnology and Related Fields  
- Physical Anthropology, Anthropometry  
- Social and Cultural Anthropology  
- Anthropology - Other

- 023        **Archaeology**  
- Archaeology  
(NOTE: For Q13 and Q48, 023 has been grouped with 022 due  
for reasons of confidentiality.)

- 024        **Area Studies (Non Languages or Literature)**  
- Asian Studies  
- Canadian Studies  
- Germanic Studies  
- Latin American and Caribbean Studies  
- Near and Middle Eastern Studies  
- Slavic or East European Studies  
- Area Studies - Other
- 025        **Economics**  
- Economics - General  
- Agricultural Economics  
- Econometrics  
- International Economics  
- Labour/Human Resources Economics  
- Economics - Other
- 026        **Geography**  
- Geography - General  
- Cartography  
- Economic Geography  
- Historical and Political Geography  
- Human Geography  
- Natural Resources Geography  
- Physical Geography  
- Urban/Rural Geography  
- Geography - Other
- 027        **Law and Jurisprudence**  
- Law and Jurisprudence - General  
- Civil, Criminal, Family, Common Law  
- Commercial/Business, Company Law  
- Constitutional/International Law  
- Law - Other
- 028        **Man/Environment Studies**  
- Man/Environment Studies - General  
- Human Ecology  
- Resource Planning and Management  
- Urban, Rural, Regional Planning and Development
- 029        **Political Science**  
- Political Science - General  
- Canadian Politics  
- Comparative Politics  
- International Relations, Foreign Policy  
- Political Science - Other
- 030        **Psychology**  
- Psychology - General  
- Child, Adolescent, Developmental Psychology  
- Clinical Psychology  
- Social Psychology  
- Psychology - Other

- 031        **Sociology**  
- Sociology - General  
- Criminology, Penology, Deviance  
- Demography, Population Studies  
- Ethnic Sociology  
- Family Sociology  
- Sociology - Other
- 032        **Social Work and Social Services**  
- Social Work/Welfare - General  
- Child Care Services, Youth Services  
- Correctional Technologies  
- Gerontology, Applied  
- Police and Para-legal Technologies  
- Protection Services  
- Social Services and Welfare Technologies - Other
- 033        **War and Military Studies**  
- War and Military Studies  
(NOTE: For Q48, 033 has been grouped with 034 for reasons  
of confidentiality.)
- 034        **Other Social Sciences and Related Fields**  
- Social Sciences - General  
- Social Sciences and Related Fields, n.e.c. - Other

**COMMERCE, MANAGEMENT AND BUSINESS ADMINISTRATION**

- 035        **Business and Commerce**  
- Business and Commerce - General  
- Business Administration  
- International Business and Commerce  
- Business and Commerce - Other
- 036        **Financial Management**  
- Financial Management - General  
- Accounting and Auditing  
- Assessment and Appraisal  
- Financial Management - Other
- 037        **Industrial Management and Administration**  
- Industrial Management and Relations  
- Labour Management and Relations  
- Public Administration  
- Personnel/Human Resources Management  
- Industrial Management and Administration - Other
- 038        **Institutional Management and Administration**  
- Health Care and Services Management  
- Hotel and Food Administration  
- Funeral Directing and Embalming  
- Tourism and Resort Management  
- Institutional Management - Other

- 039        **Marketing, Merchandising, Retailing and Sales**  
- Customer/Public Relations  
- Marketing  
- Merchandising  
- Retailing and Sales  
- Marketing and Sales - Other

- 040        **Secretarial Science - General Fields**  
- Secretarial Science - General  
- Bank and Financial Clerk  
- Business Machine Operations  
- Court Reporting and Recording  
- Health/Medical Records Technology  
- Legal Secretary  
- Medical Secretary  
- Office Accounting/Bookkeeping  
- Word Processing  
- Secretarial/Clerical - Other

**AGRICULTURAL AND BIOLOGICAL SCIENCES/TECHNOLOGIES**

- 041        **Agricultural Science and Technology**  
- Agricultural Science  
- Animal Science - General  
- Crop Science, Crops, Crop Farming  
- Food Science  
- Horticulture  
- Plant Science - General  
- Poultry Science  
- Soil Science  
- Agricultural Science - Other  
- Agricultural Technology  
- Agricultural Business  
- General Farming Technology  
- Agricultural Technology - Other

- 042        **Animal Science Technologies**  
- Animal Science/Health Technology  
- Cattle/Swine Technology  
- Equine Studies/Horse Husbandry  
- Veterinary Technologies/Animal Health and Care  
- Animal Science Technologies - Other

- 043        **Biochemistry, Biology and Biophysics**  
- Biochemistry  
- Biology - General  
- Genetic and Developmental Biology  
- Microbiology  
- Molecular Biology  
- Biology - Other  
- Biophysics

- 044        **Botany**  
- Botany - General  
- Botany - Other  
- Plant Sciences - Specialized
- 045        **Household Science and Related Fields**  
- Household and Domestic Science  
- Consumer Studies  
- Clothing and Textiles  
- Food Nutrition, Dietetics and Dietary Technology  
- Food Services and Preparation  
- Home Economics
- 046        **Veterinary Medicine/Science**  
- Veterinary Medicine  
- Veterinary Science  
(NOTE: For Q48, 046 has been grouped with 047 for reasons of confidentiality.)
- 047        **Zoology**  
- Zoology - General  
- Animal Anatomy, Ecology, Genetics or Histology  
- Entomology  
- Fisheries Biology  
- Marine/Ocean Biology  
- Zoology - Other
- 048        **Other Agricultural and Biological Sciences/Technologies**  
- Fish Farming, Fish Technologies and Processing  
- Food Processing Technologies - General  
- Hunting and Trapping  
- Agricultural and Biological Sciences/Technologies - Other

**ENGINEERING AND APPLIED SCIENCES**

- 049        **Architecture and Architectural Engineering**  
- Architecture - General  
- Architectural Engineering Design  
- Architecture - Other
- 050        **Aeronautical and Aerospace Engineering**  
- Aeronautical and Aerospace Engineering  
(NOTE: For Q13, 050 has been grouped with 056 for reasons of confidentiality.)
- 051        **Biological and Chemical Engineering**  
- Biological Engineering, Bioengineering  
- Biomedical or Clinical Engineering  
- Chemical Engineering
- 052        **Civil Engineering**  
- Civil Engineering

- 053      **Design/Systems Engineering**  
- Design/Systems Engineering  
(NOTE: For Q13, 053 has been grouped with 059 for reasons of confidentiality.)
- 054      **Electrical/Electronic Engineering**  
- Computer Engineering  
- Electrical/Electronic Engineering  
- Music and Recording Engineering
- 055      **Industrial Engineering**  
- Industrial/Manufacturing Engineering
- 056      **Mechanical Engineering**  
- Mechanical Engineering - General  
- Instrumentation Engineering  
- Power Engineering
- 057      **Mining, Metallurgical and Petroleum Engineering**  
- Geological Engineering  
- Metallurgical Engineering  
- Mining Engineering  
- Petroleum Engineering
- 058      **Resources and Environmental Engineering**  
- Agricultural Engineering  
- Environmental/Resource Engineering  
- Fisheries, Marine, Ocean Engineering  
- Water Resources and Watershed Engineering
- 059      **Engineering Science and Engineering n.e.c.**  
- Engineering Science  
- Engineering Physics  
- Engineering, n.e.c.
- 060      **Forestry**  
- Forestry  
- Forest Harvesting, Management, Protection  
- Forest Wildlife Management  
- Silviculture  
- Forestry - Other
- 061      **Landscape Architecture**  
- Landscape Architecture  
- Garden Design  
- Landscape Technology

**ENGINEERING AND APPLIED SCIENCE TECHNOLOGIES AND TRADES**

- 062        **Architectural Technology**  
- Architectural Technology  
- Architectural Drafting
- 063        **Chemical Technology**  
- Chemical Technology  
- Biochemical Technology  
- Plastics, Fibreglass and Rubber Technology  
- Textile Processing Technology (Dyes)
- 064        **Building Technologies**  
- Boat, Shipbuilding and Naval Architecture  
- Building Technology  
- Construction Electrician  
- Drywall, Plastering, Lathing  
- Heat and Insulation  
- Interior Finishing  
- Masonry (Brick, Stone, Concrete)  
- Plumbing and Pipe Trades  
- Welding Technology  
- Woodworking, Carpentry
- 065        **Data Processing and Computer Science Technologies**  
- Data Processing - General  
- Computer Science Technology  
- Computer Programming and Software  
- Microcomputer and Information Systems
- 066        **Electronic and Electrical Technologies**  
- Electronic Technology  
- Electrical Technology  
- Microwave and Radar Technology  
- Radio and Television  
- Telecommunications Technology  
- Electronic and Electrical Technologies - Other
- 067        **Environmental and Conservation Technologies**  
- Environmental Technology - General  
- Earth Resources Technology  
- Forest Conservation Technology  
- Renewable Resources Technology  
- Wildlife and Fisheries Conservation
- 068        **General and Civil Engineering Technologies**  
- Civil Engineering Technologies - General  
- Construction Technologies  
- Drafting - General  
- Drafting - Specialized  
- Engineering Design and Instrumentation Technology  
- Piping Technologies (Non-Plumbing)  
- Surveying and Photogrammetric Technology



- 069           **Industrial Engineering Technologies**  
- Industrial Engineering Technology - General  
- Air Conditioning and Refrigeration  
- Clothing/Fabric Product Manufacturing  
- Machinist/Machine Shop  
- Pattern Making  
- Power Sewing  
- Sheet Metal  
- Tool and Die  
- Industrial Technologies - Other
- 070           **Mechanical Engineering Technologies**  
- Mechanical Engineering Technology - General  
- Aeronautical Engineering Technology  
- Agricultural Equipment Mechanics  
- Aircraft and Flight Mechanics Technology  
- Automobile Mechanics Technology  
- Heavy Equipment Mechanics  
- Marine Mechanics Engineering  
- Office/Business Machine Technology  
- Small Engine Repairs  
- Power/Stationary Engineering Technology
- 071           **Primary Industries/Resource Processing Technology**  
- Forest Products Technology  
- Mining and Metal Processing  
- Petroleum Technologies  
- Primary Industries/Resource Processing Technologies - Other
- 072           **Transportation Technologies**  
- Transportation Technology - General  
- Air Transportation Technology  
- Marine Transportation Technology  
- Motor - Commercial/Public Vehicle Transportation  
- Motor - Other Motor Transportation  
- Rail Transportation Technology
- 073           **Other Engineering/Applied Science Technologies n.e.c.**  
- Engineering/Applied Science Technologies - Other

**HEALTH PROFESSIONS, SCIENCES AND TECHNOLOGIES**

- 074           **Dentistry**  
- Dentistry or Dental Medicine  
- Dental Sciences  
- Orthodontics  
- Paedodontics  
- Dentistry Specialties - Other

- 075      **Medicine - General and Basic Medical Science**  
- General Practice Medicine  
- Medical Anatomy  
- Medical Biochemistry  
- Medical Biophysics  
- Medical Embryology/Genetics  
- Medical Neurophysiology  
- Medical Pharmacology  
- Medical Physiology  
- Basic Medical Sciences - Other
- 076      **Medical Specializations (Non-surgical)**  
- Neurology  
- Paediatrics  
- Psychiatry  
- Radiology  
- Medical Specializations (Non-surgical) - Other
- 077      **Paraclinical Sciences**  
- Paraclinical Medical Science  
- Medical Immunology  
- Medical Microbiology  
- Medical Pathology  
- Medical Parasitology, Virology and Bacteriology
- 078      **Surgery and Surgical Specializations**  
- Surgery - General  
- Obstetrics and Gynaecology  
- Orthopaedic Surgery  
- Plastic Surgery  
- Surgical Specialties - Other
- 079      **Nursing and Nursing Assistance**  
- Nursing - General  
- Critical Care Nursing  
- Geriatric Nursing  
- Medical, Surgical, Hospital Nursing  
- Obstetric Nursing  
- Psychiatric Nursing and Mental Health Care  
- Public Health and Community Nursing  
- Nursing - Other  
- Nursing Assistant, Assistant Nursing  
- Health Care Aide/Support  
- Long Term Care Aide  
- Nursing Aide, Orderly
- 080      **Optometry**  
- Optometry
- 081      **Pharmacy and Pharmaceutical Sciences**  
- Pharmacy  
- Pharmaceutical Sciences/Technology

- 082           **Public Health**  
- Public Health - General  
- Community Medicine and Health  
- Dental Public Health and Hygiene  
- Epidemiology and Biostatistics  
- Industrial Health, Medicine and Hygiene  
- Preventive Medicine  
- Veterinary Public Health
- 083           **Rehabilitation Medicine**  
- Rehabilitation Medicine - General  
- Audiology and Speech Pathology and Therapy  
- Occupational and Physical Therapy  
- Physiotherapy
- 084           **Medical Laboratory and Diagnostic Technology and Medical Treatment Technologies**  
- Medical Laboratory Technology  
- Biological Laboratory Technology  
- Biomedical Electronic Technology  
- Dental Laboratory Technology  
- Radiological Technology  
- Cardio-pulmonary Resuscitation  
- Chiropractic Technology  
- Dental Assistant  
- Emergency Paramedical Technology  
- Mental Health and Retardation Technology  
- Respiratory Technology  
- Ultrasound and Ultrasonography  
- X-ray - Medical Technology/Radiography  
- X-ray - Radiotherapy/Nuclear Medicine Technology  
- Medical Treatment Technologies - Other
- 085           **Medical Equipment and Prosthetics**  
- Medical Equipment and Prosthetics  
(NOTE: For Q13 and Q48, 085 has been grouped with 086 for reasons of confidentiality.)
- 086           **Other Health Professions, Sciences and Technologies n.e.c.**  
- Health Professions, Sciences and Technologies, n.e.c.  
Other

**MATHEMATICS AND PHYSICAL SCIENCES**

- 087           **Actuarial Science**  
- Actuarial Science  
(NOTE: For Q13 and Q48, 087 has been grouped with 091 for reasons of confidentiality.)

- 088      **Applied Mathematics**  
- Applied Mathematics - General  
- Computer Science - General  
- Computer Science - Systems Design and Analysis  
- Operations Research  
- Applied Mathematics - Other
- 089      **Chemistry**  
- Chemistry - General  
- Analytical Chemistry  
- Inorganic Chemistry  
- Organic Chemistry  
- Physical Chemistry  
- Spectroscopy  
- Chemistry Specialties - Other
- 090      **Geology and Related Fields**  
- Geology, Geological and Earth Sciences  
- Geochemistry and Geochronology  
- Geophysics and Geomorphology  
- Hydrogeology/Hydrology  
- Mineral Geology  
- Petrology and Petrography  
- Stratigraphy and Sedimentology  
- Geology and Related Fields, n.e.c. - Other
- 091      **Mathematical Statistics and Mathematics**  
- Mathematical Statistics  
- Mathematics
- 092      **Metallurgy and Materials Science**  
- Metallurgy and Materials Science  
(NOTE: For Q13 and Q48, 092 has been grouped with 096 for reasons of confidentiality.)
- 093      **Meteorology**  
- Meteorology  
(NOTE: For Q13 and Q48, 093 has been grouped with 096 for reasons of confidentiality.)
- 094      **Oceanography and Marine Sciences**  
- Oceanography  
- Biological Oceanography  
- Fisheries Oceanography  
- Marine Sciences, n.e.c. - Other

- 095        **Physics**  
- Physics - General  
- Astrophysics and Astronomy  
- Atomic and Nuclear Physics  
- Chemical Physics  
- High Energy and Particle Physics  
- Solid State Physics  
- Theoretical Physics  
- Physics, n.e.c. - Other

- 096        **General Science**  
- General Science  
- Science Lab Technology

**ALL OTHER, N.E.C./NO SPECIALIZATION**

- 097        **All Other N.E.C./No Specialization**  
- All Other n.e.c.  
- No specialization

**ADDITIONAL EDUCATION CODES**

- 098        **Upgrading**  
- Upgrading - General  
- Basic Education (Grades 1-8)  
- General Education Development (G.E.D.)  
- High School (Secondary) Credit (Grades 9-13)  
- Postsecondary Upgrading  
- Pre-vocational Upgrading  
- Basic Training for Skill Development (B.T.S.D.)  
- Basic Job Readiness Training (B.J.R.T.)  
- Orientation  
- Career Alternatives  
- University Transfer

- 099        **Personal Development**  
- Personal Development - General  
- Home and Family  
- Consumer/Financial  
- Coping Skills  
- Communication Skills  
- Religion and Morals  
- Public Affairs, Community/Current Events  
- Driver Instruction

- 100        **Recreational Activity**  
- Sports and Outdoor Recreation  
- Physical Fitness (aerobics, dancercise)  
- Games (bridge, chess, etc.)

**OTHER CODES**

998           **Do Not Know**

999           **Not Stated**

**Not Applicable**