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**Current Population Survey:  
Voter Supplement File, 1988**

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**United States Department of Commerce  
Bureau of the Census**

**ICPSR 9318**

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December 1999



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U.S. Dept. of Commerce  
Bureau of the Census

ICPSR 9318





CURRENT POPULATION SURVEY: VOTER SUPPLEMENT FILE, 1988

(ICPSR 9318)

Principal Investigator

U.S. Dept. of Commerce  
Bureau of the Census

Inter-university Consortium for Political and Social Research  
P.O. Box 1248  
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First ICPSR Release  
May 1990



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United States Department of Commerce. Bureau of the Census  
CURRENT POPULATION SURVEY: VOTER SUPPLEMENT FILE, 1988 (ICPSR 9318)

**SUMMARY:** This survey provides data on labor force activity for the week prior to the survey. Comprehensive data are available on the employment status, occupation, and industry of persons 14 years old and over. Personal characteristics such as age, sex, race, marital status, veteran status, household relationships, educational background, and Spanish origin also are provided. Supplement questions pertain to citizenship, voting status in the election of November 4, 1988, and registration status. Data on telephone availability also are included. CLASS IV

**UNIVERSE:** All persons in the civilian noninstitutional population of the United States living in households.

**SAMPLING:** The probability sample selected to represent the universe consists of approximately 71,000 households.

**EXTENT OF COLLECTION:** 1 data file  
**DATA FORMAT:** Logical Record Length

**File Structure:** rectangular  
**Cases:** 154,311  
**Variables:** approx. 340  
**Record Length:** 492  
**Records Per Case:** 1

**RELATED PUBLICATION:**

United States Department of Commerce. Bureau of the Census. "The Current Population Survey: Design and Methodology" (Technical Paper 40). Washington DC: United States Department of Commerce, Bureau of the Census, n.d.



**CURRENT POPULATION SURVEY, NOVEMBER 1988:  
VOTING AND REGISTRATION**

**TECHNICAL DOCUMENTATION  
CPS-88-13**

This file documentation consists of the following materials:

Attachment 1	Abstract
Attachment 2	Overview—November 1988 Voting and Registration Survey
Attachment 3	Overview—Current Population Survey
Attachment 4	Glossary
Attachment 5	Note to Users
Attachment 6	Current Population Survey Adult Interview Record Layout
Attachment 7	Current Population Survey Children's Interview Record Layout
Attachment 8	Current Population Survey Noninterview Type A Record Layout
Attachment 9	Current Population Survey Noninterview Type B-C Record Layout
Attachment 10	Current Population Survey Armed Forces Interview Record layout
Attachment 11	Current Population Survey November 1988 Voting and Registration Supplement Record Layout
Attachment 12	Description of Telephone Transcription Data
Attachment 13	Unweighted and Weighted Counts From the Basic Questionnaire
Attachment 14	Questionnaire Facsimile
Attachment 15	Industry Classification Codes
Attachment 16	Occupational Classification Codes for Detailed Occupational Categories
Attachment 17	Alphabetical Foreign Codes for Place of Birth
Attachment 18	Numerical Place of Birth Codes

Attachment 19	Specific Metropolitan Identifiers
Attachment 20	Topcoding of Usual Hourly Earnings
Attachment 21	Source and Accuracy of Estimates for the November 1988 CPS Voting and Registration Supplement
Attachment 22	User Notes

#### NOTE

Questions about the accompanying **documentation** should be directed to Data User Services Division, Data Access and Use Staff, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-2074.

Questions about the **tape** should be directed to Customer Services, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-4100.

Questions about the **subject matter** should be directed to Demographic Surveys Division, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-2773.



## ATTACHMENT 1

### ABSTRACT

*Current Population Survey, November 1988:  
Voting and Registration [machine-readable data  
file] / conducted by the Bureau of the Census  
for the Bureau of Labor Statistics. —Washington:  
The Bureau, [producer and distributor] 1989.*

#### Type of File:

Microdata; unit of observation is individuals within housing units.

#### Universe Description:

The universe consists of all persons in the civilian noninstitutional population of the United States living in households. The probability sample selected to represent the universe consists of approximately 71,000 households.

#### Subject-Matter Description:

Data are provided on labor force activity for the week prior to the survey. Comprehensive data are available on the employment status, occupation, and industry of persons 14 years old and over. Also shown are personal characteristics such as age, sex, race, marital status, veteran status, household relationship, educational background, and Spanish origin.

The voting and registration survey was asked of all civilian household members 18 years and over. The supplement questions pertain to citizenship status, voting status in the election of November 4, 1988, and registration status. In addition, telephone availability data are provided on this file.

#### Geographic Coverage:

State of residence is uniquely identified as well as census geographic division and region. The 113 largest metropolitan statistical areas (CMSA's or MSA's), an additional 89 selected MSA's, 66 selected PMSA's, and 30 central cities in multi-central city MSA's or PMSA's also are uniquely identified.<sup>1</sup> Within confidentiality restrictions, indicators are provided for MSA-PMSA/non-MSA-PMSA, central city/noncentral city, farm/nonfarm, and MSA/CMSA size.

#### Technical Description:

File Structure: Rectangular.

File Size: 154,311 logical records; 492 character logical record length.

File Sort Sequence: State rank by CMSA/MSA rank by household identification number by line number.

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1. MSA's = Metropolitan Statistical Areas; CMSA's = Consolidated Metropolitan Statistical Areas; PMSA's = Primary Metropolitan Statistical Areas.

**Reference Materials:**

*Current Population Survey, November 1988: Voting and Registration Technical Documentation.* Documentation contains this abstract, a questionnaire facsimile, code lists, and record layouts of the file. One copy accompanies each file order. Additional copies are available for \$5 each from Customer Services, Bureau of the Census, Washington, D.C. 20233.

Bureau of the Census. *The Current Population Survey: Design and Methodology (Technical Paper 40).* Describes in detail the sample design and survey procedures used as well as accuracy of estimates and sampling errors. Reference copies should be available from most public libraries or Federal Depository Libraries. It is also available on microfiche from Customer Services, Bureau of the Census, Washington, D.C. 20233. (2 microfiche – \$5. Make check payable to Commerce-Census.)

**File Availability:**

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## ATTACHMENT 2

### Overview: November 1988 Voting and Registration Survey

#### General

The November 1988 Voting and Registration Survey was conducted as a supplement to that month's Current Population Survey (CPS). Telephone availability data are also provided on this file. The telephone availability data are transcribed to the CPS-1 from the CPS control card in March, July, and November of each year. The CPS is a monthly labor force survey conducted in approximately 57,000 interviewed households across the Nation. Attachment 13 is a facsimile of the document used by the CPS with the voting and registration supplement questions on page 5. The telephone availability data are located on CPS-1, page 3. They are listed as items 29A, 29B, and 29C. See "Overview—Current Population Survey" (Attachment 3) for a description of the CPS; the following describes the basic voting and registration questions asked in the full CPS sample of persons 18 years old or older, as applicable. The telephone transcription data are described in Attachment 12.

#### Data and Collection

The Voting and Registration Survey was asked of all civilian household members 18 years or over. Interviews were conducted during the period of November 14-19, 1988. Interviewers were provided with a 1 hour home study for completing the basic CPS labor force exercises, the voting and registration exercises, and a practice interview concerning the supplement. Interviewers were also provided with the necessary instructions for transcribing the telephone availability data from the CPS control card to CPS-1, page 3. The first five questionnaires submitted by each interviewer were carefully reviewed by regional office staff. The supplement questions pertained to citizenship status, voting status, and registration status. Self/proxy interview type was also determined.

#### Data Processing

The data processing involved a consistency edit and limited allocation of missing supplement data. The consistency edit was initiated by two flags which determined age eligibility and interview/noninterview supplement record type. After the appropriate flags were designated on the edited portion of the person's supplement record, the subsequent items (citizenship, voting status, registration status and self/proxy interview type) were edited to ensure consistency between items.

The values and universes for each variable are defined in the supplement record-layout (Attachment 11).

#### November 1988 CPS/Voting and Registration Supplement Computer File

The November CPS/Voting and Registration file consists of two parts: the CPS labor force data and the basic supplemental Voting and Registration data (item 32 through 37).

**CPS Labor Force Data.** The November CPS file contains 154,311 records. Basic CPS labor force data are contained in words 1 through 80, character 1-6; and the supplement data are contained in word 81, characters 1-6.

##### 1. Interviewed 14+ Persons' Records.

Attachment 6 shows the locations and definitions of variables available in words 1 through 80, characters 1-6 for persons 14 years old or older who were interviewed in the November 1986 CPS. The telephone transcription data are located within word 59, characters 3, 4 and 5 of Attachment 6. **Interviewed 14+ person records will have a code 1 record type in word 1, character 1.**

2. Children's Records.

Attachment 7 shows the locations and definitions of variables available in words 1 through 80, characters 1-6 for persons 0-13 years of age. **Children's records will have a code 5 record type in word 1, character 1.**

3. Type A Noninterview Records.

Attachment 8 shows the locations and definitions for variables available in words 1 through 80, characters 1-6 for CPS Type A noninterview records. These records represent households which were eligible for the November CPS interview but were not interviewed because no one was home, household members were temporarily absent, etc. **Type A noninterview records will have a code 2 record type in word 1, character 1.**

4. Type B/C Noninterview Records.

Attachment 9 shows the locations and definitions for variables available for type B/C noninterview records. Type B/C noninterview records represent sample addresses which were determined to be ineligible for the CPS by virtue of being vacant, demolished, nonresidential, etc. **Type B/C noninterview records will have a code 3 type in word 1, character 1.**

5. Armed Forces Records.

Attachment 10 shows the locations and definitions for variables available in words 1 through 80, characters 1-6 for persons 14 years or over in the Armed Forces whose household information was transcribed from the CPS control card. **Persons 14+ in the Armed Services will have a code 4 record type in word 1, character 1.**

**November Voting and Registration Supplement Data.** The November supplement data are contained in word 81, characters 1-6 of interviewed adult records (18+). Attachment 11 shows the locations and definitions of variable names in the supplement portion of the basic CPS record. Note that supplement data are available for all records when word 81, characters 1 and 2 are equal to a code 1. Note, when WD1, CH1=2-5, each supplement record will be zero filled in word 81 characters 1-6.

**Records from the November CPS/Voting and Registration Supplement File**

**Tallying CPS Labor Force Estimates.** A user wishing to access only the CPS portion of the record (words 1-80) for the full CPS sample must first determine the record type as follows:

- |                          |                         |
|--------------------------|-------------------------|
| 1. Interviewed Adults    | WORD 1, CHARACTER 1 = 1 |
| 2. Type A Noninterview   | WORD 1, CHARACTER 1 = 2 |
| 3. Type B/C Noninterview | WORD 1, CHARACTER 1 = 3 |
| 4. Armed Forces Records  | WORD 1, CHARACTER 1 = 4 |
| 5. Children              | WORD 1, CHARACTER 1 = 5 |

As described in the data processing section above, use the appropriate record layout depending on which records are selected. Use the CPS final weight in words 21 and 22, characters 1-6 when tallying CPS labor force estimates and the supplement data contained in word 81.

**Tallying November Voting and Registration Supplement Estimates.** The November supplement universe was the full sample for persons 18+ who were interviewed for the supplement. As stated above, use the CPS final weight in words 21 and 22 to inflate the voting and registration results to national totals.



**Unweighted Counts.** Attachment 13 contains a copy of the unweighted counts from each item asked in the supplement.

**Telephone Availability Data.** Attachment 12 describes the telephone availability data (items 29A-29C) collected this month within word 59, characters 3, 4, and 5 of Attachment 6 (the adult 14+ interview record layout).



## **ATTACHMENT 3**

### **OVERVIEW**

#### **Current Population Survey**

##### **Introduction**

The Current Population Survey (CPS) is the source of the official Government statistics on employment and unemployment. The CPS has been conducted monthly for over 35 years. Currently, we interview about 58,000 households monthly, scientifically selected on the basis of area of residence to represent the Nation as a whole, individual States, and other specified areas. Each household is interviewed once a month for four consecutive months one year, and again for the corresponding time period a year later. This technique enables us to obtain month-to-month and year-to-year comparisons at a reasonable cost while minimizing the inconvenience to any one household.

Although the main purpose of the survey is to collect information on the employment situation, a very important secondary purpose is to collect information on the demographic status of the population, information such as age, sex, race, marital status, educational attainment, and family structure. From time to time additional questions are included on such important subjects as health, education, income, and previous work experience. The statistics resulting from these questions serve to update similar information collected once every 10 years through the decennial census, and are used by Government policymakers and legislators as important indicators of our Nation's economic situation and for planning and evaluating many Government programs.

The CPS provides current estimates of the economic status and activities of the population of the United States. Because it is not possible to develop one or two overall figures (such as the number of unemployed) that would adequately describe the whole complex of labor market phenomena, the CPS is designed to provide a large amount of detailed and supplementary data. Such data are made available to meet a wide variety of needs on the part of users of labor market information.

Thus, the CPS is the only source of monthly estimates of total employment (both farm and nonfarm); nonfarm self-employed persons, domestics, and unpaid helpers in nonfarm family enterprises; wage and salaried employees; and, finally, estimates of total unemployment.

It provides the only available distribution of workers by the number of hours worked (as distinguished from aggregate or average hours for an industry), permitting separate analyses of part-time workers, workers on overtime, etc. The survey is also the only comprehensive current source of information on the occupation of workers and the industries in which they work. Information is available from the survey not only for persons currently in the labor force but also for those who are outside the labor force. The characteristics of such persons – whether married women with or without young children, disabled persons, students, older retired workers, etc., can be determined. Information on their current desire for work, their past work experience, and their intentions as to job seeking are also available.

##### **CPS Sample**

The CPS sample is based on the civilian noninstitutional population of the United States. The sample is located in 629 sample areas comprising 1,148 counties and independent cities with coverage in every State and in the District of Columbia.

In all, some 71,000 housing units or other living quarters are assigned for interview each month; about 58,000 of them containing approximately 122,000 persons 14 years old and over are interviewed. Also included are demographic data for approximately 34,000 children 0-13 years old within these households. The remainder of the assigned housing units are found to be vacant, converted to nonresidential use, contain persons with residence elsewhere, or are not interviewed because the residents are not found at home after repeated calls, are temporarily absent, or are unavailable for other reasons. Approximately 13,000 noninterview households are present each month. The resulting file size is approximately 170,000 records. A more precise explanation

regarding the CPS sample design is provided in Technical Paper 40, *The Current Population Survey: Design and Methodology*.

For a more detailed discussion about the basic labor force data gathered on a monthly basis in the CPS survey, see the Bureau of Labor Statistics Report No. 463 and the Current Population Report P-23, No. 62, issued jointly by the Bureau of Labor Statistics and the Bureau of the Census in October, 1976, and entitled *Concepts and Methods Used In Labor Statistics Derived from the Current Population Survey*.

### **Relationship of Current Population Survey Files to Publications**

Each month, a significant amount of information about the labor force is published by the Bureau of Labor Statistics in the *Employment and Earnings* and *Monthly Labor Review* reports.

As mentioned previously, the CPS also serves as a vehicle for supplemental inquiries on subjects other than employment, which are periodically added to the questionnaire. From the basic and supplemental data the Bureau of the Census issues four series of publications under the general title *Current Population Reports*:

P-20 Population Characteristics  
P-23 Special Studies  
P-27 Farm Population  
P-60 Consumer Income

All *Current Population Reports*, including the other series for population estimates and projections and special censuses, may be obtained by subscription from the Government Printing Office. They are available in the following subscription packages: Population Characteristics, Special Studies, Farm Population, and Consumer Income series (P-20, P-23, P-27, P-60) combined, \$71.00 per year; Population Estimates and Projections, (P-25), \$25.00 per year. A customer interested in all reports must subscribe to both subscription packages. Alternatively, single issues may be ordered separately; ordering information and prices are provided in the *Bureau of the Census Catalog*, the *Monthly Product Announcement* (MPA), and in the *Data User News*.

### **Geographic Limitations**

It should be kept in mind that the sample design and methods of weighting CPS data are geared towards producing estimates for the entire Nation. In producing estimates for States, the user should be aware that the primary sampling units (PSU's) are drawn from strata which may or may not cross State lines. Consequently, the data would not be as reliable as national data, and the file may lose some of its utility in certain applications. For further discussion of such considerations, the user should consult Technical Paper 40, *The Current Population Survey: Design and Methodology*.

The nature of the work done by each individual investigator using the microdata file will determine to what extent his/her requirements for precision will allow using some of the smaller geographic areas identified on the file.

### **Weights**

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns for the entire panel of respondents. The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the same sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

1. **Noninterview adjustment.** The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (White, and Black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent depending on weather, vacations, season, etc.
2. **Ratio estimates.** The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:
  - a. *First-stage ratio estimate.* In the CPS, a portion of the 629 sample areas is chosen to represent both itself and other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, Midwest, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan/nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.
  - b. *Second-stage ratio estimate.* In this stage, the sample estimates of the U.S. population in the categories described below are adjusted to independently derived current estimates of the population in the same categories. The second-stage ratio estimate is performed in order to increase the reliability of the estimates and is carried out in two steps. In the first step, the sample estimates are adjusted for each State and the District of Columbia to an independent control for the civilian noninstitutional population 16 years and over, for the State. The second step of the adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates of the civilian noninstitutional population, 14 years and over, within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of the National age-sex-race categories will be virtually equal to the independent population estimates. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature of these changes is discussed in detail in "Revisions in the Current Population Survey beginning in January 1982," Employment and Earnings, February 1982.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980 census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age July 1 are published annually in Current Population Reports, Series P-25. For a description of the methodology used in developing the State total, see Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Beginning with the January 1982 estimates, the independent national controls used for the age-sex-race groups in the final step of the second-stage ratio adjustment are prepared by carrying forward the April 1, 1980 total population by age, race, and sex, taking account of the subsequent aging of the population, fertility, mortality, and net immigration, and then subtracting the estimate for the institutional population and Armed Forces. The April 1, 1980 total population was computed by adding together the resident population, consistent with that published in the 1980 census *Advance Reports*, Series PHC80-V, and the Armed Forces overseas, as compiled from Department of Defense reports. Data on births and deaths between April 1, 1980 and the estimate date are based on tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total, including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas, for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 14 years old and older.

NOTE: The CPS weighting procedure only produces individual weights. No household weights are present on any non-March CPS file. It is recommended that the principal person's weight be used for all tallies by household. The principal person for a household is designated by the Flag 1 in word 18, character 3 of any adult's interview record.

#### **Comparability of CPS From Microdata Files With Published Sources.**

Although total estimates of the population will equal published estimates, labor force estimates produced from a microdata file will not be directly comparable or identical with the published nonseasonally adjusted labor force data. The major reason for this is due to a final estimation procedure incorporated into the production of the published nonseasonally adjusted data. This procedure, known as a composite estimator, is a weighted average of two estimates for the current month for any particular item. The first estimate is the two-stage ratio estimate that includes all the estimation steps given above. The second estimate consists of the composite estimate for the preceding month to which has been added an estimate of the change from the preceding month, based on that part of the sample which is common to the two months (about 75 percent). This procedure is primarily used to increase the reliability of estimates of month-to-month change, although other reliability gains are also realized. As noted above, the composite estimation procedure does not affect estimates of the total population.

Another factor also inhibits microdata comparison with published labor force data. This is the seasonal adjustment that is applied to many published statistics. These adjustments are used to adjust for normal seasonal variations to help distinguish the underlying economic situation in month-to-month changes. Shown below are data from January and July 1982 which demonstrate how estimates compiled using the final weights from the microdata file may differ from the published composited estimates, with and without seasonal adjustment. (Refer to Technical Paper 40 for a further description of both the composite estimator and seasonal adjustments.)

	Civilian Noninstitutional Population	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
<u>January 1982 Data (000's)</u>					
Final Weights	171,335	108,161	97,928	10,234	63,174
Composited (Not seasonally Adjusted)	171,335	108,014	97,831	10,183	63,321
Composited (Seasonally Adjusted)	171,335	108,879	99,581	9,298	62,456
<u>July 1982 Data (000's)</u>					
Final Weights	172,364	112,850	101,904	10,946	59,513
Composited (Not seasonally Adjusted)	172,364	112,526	101,490	11,036	59,838
Composited (Seasonally Adjusted)	172,364	110,522	99,732	10,790	61,842

In various months, differences in the sample, questionnaire, and data uses result in the need for additional adjustment procedures to produce what is called a supplement weight. Such adjustments can include, but are not limited to, supplemental noninterview adjustments, inflation of weights due to a restricted supplemental universe (such as only 4 of 8 rotation groups), or controlling to various independent population controls. In some instances, including most October school enrollment supplements, the supplement weight is controlled to and agrees with, in aggregate, the published composited estimates. Regardless of how the supplement weight was produced, when available it should be used in preparing all estimates using data from supplement items. Further documentation covering the use of the supplemental data is included as part of the supplemental documentation.





## ATTACHMENT 4

### GLOSSARY

#### Subject Concepts

**Age.** Age classification is based on the age of the person at his/her last birthday. The adult universe (i.e., population of marriageable age) is comprised of persons 15 years old and over for March supplement data and 14 years and over for CPS labor force data. Prior to 1980, the adult universe was 14 years old and over for March supplement data.

**Annuities.** (See Income.)

**Armed Forces.** Armed Forces members enumerated in off-base housing or on base with their families are included on the CPS data file in March. Only supplemental data on income are included for Armed Forces members.

**Base Weight.** The constant weight assigned to the sample (inverse of the sampling fraction) which is adjusted to produce the final weight.

**Civilian Labor Force.** (See Labor Force.)

**Class of Worker.** This refers to the broad classification of the person's employer. On the March file, these broad classifications for current jobs are private, government, self-employed, without pay, and never worked. Private and government workers are considered "wage and salary workers;" this classification scheme includes self-employed, incorporated persons in with "private" workers. For the longest job held last year, this class of worker scheme includes private; government by level—Federal, State, and local; self-employed incorporated farm/nonfarm; and without pay. The wage and salary category for longest job held includes private, government (all levels), and self-employed, incorporated.

**Dividends.** (See Income.)

**Duration of Unemployment.** Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed are continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of two weeks or more during which a person is employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Average duration is an arithmetic mean computed from a distribution by single weeks of unemployment.

**Earners, Number of.** The file includes all persons 15 years old and over in the household with \$1 or more in wages and salaries, or \$1 or more of a loss in net income from farm or nonfarm self-employment during the preceding year.

**Earnings Weight.** Each person record allows for an earnings weight for current earnings.

**Education.** (See Years of School Completed.)

**Employed.** (See Labor Force.)

**Energy Assistance Program.** The Low-Income Energy Assistance Program provides financial assistance to qualified households to help them pay heating costs. The program is funded by the Federal government and administered by the States under broad guidelines. In some States a household may automatically be eligible for this program if the household receives (1) Aid to Families with dependent Children, (2) Food Stamps, (3) Supplemental Security Income (SSI), and (4) certain Veterans' benefits.

The energy assistance questions were asked for the first time in 1982. Questions asked in the March 1988 survey included (1) recurrency since October 1, 1985, (2) total amount received during the reference period, (3) the principal type of heating fuel used by the household, and (4) if the household was without heat because of inability to pay the heating fuel bill.

**ESR (Employment Status Recode).** This classification is available for each civilian 14 years old and over according to his/her responses to the monthly (basic) labor force items in March.

**Family.** A family is a group of two persons or more (one of whom is the householder) residing together and related by birth, marriage, or adoption. All such persons (including related subfamily members) are considered as members of one family. Beginning with the 1980 CPS, unrelated subfamilies (referred to in the past as secondary families) are no longer included in the count of families, nor are the members of unrelated subfamilies included in the count of family members.

**Family Household.** A family household is a household maintained by a family (as defined above), and may include among the household members any unrelated persons (unrelated subfamily members and/or secondary individuals) who may be residing there. The number of family households is equal to the number of families. The count of family household members differs from the count of family members, however, in that the family household members include all persons living in the household, whereas family members include only the householder and his/her relatives. (See the definition of Family).

**Family Weight.** The weight on the family record is the March supplement weight of the householder or reference person.

**Farm Self-Employment Net Income.** The term is defined as net money income (gross receipts minus operating expenses) from the operation of a farm by a person on his own account, as an owner, as a renter, or as a sharecropper. Gross receipts include the value of all products sold, government crop loans, money received from the rental of farm equipment to others, and incidental receipts from the sale of wood, sand, gravel, etc.

Operating expenses include cost of feed, fertilizer, seed, and other farming supplies, cash wages paid to farm hands, depreciation charges, cash rent, interest on farm mortgages, farm building repairs, farm taxes (not State and Federal income taxes), etc. The value of fuel, food, or other farm products used for household living is not included as part of net income. Inventory changes are considered in determining net income only when they are accounted for in replies based on income tax returns or other official records which reflect inventory changes.

**Final Weight.** Used in tabulating monthly labor force items. This weight should not be used when tabulating March supplement data.

**Food Stamps.** The Food Stamp Act of 1977 was enacted for the purpose of increasing the food purchasing power of eligible households through the use of coupons to purchase food. The Food and Nutrition Service of the U.S. Department of Agriculture (USDA) administers the Food Stamp Program through State and local welfare offices. The Food Stamp Program is the major national income support program which provides benefits to all low-income and low-resource households regardless of household characteristics (e.g., sex, age, disability, etc.). The questions on participation in the Food Stamp Program in the March 1988 CPS were designed to identify households in which one or more of the current members received food stamps during 1986. Once a food stamp household was identified, a question was asked to determine the number of current household members covered by food stamps during 1986. Questions were also asked about the number of months food stamps were received during 1986 and the total face value of all food stamps received during that period.

**Full-Time Worker.** Persons on full-time schedules include persons working 35 hours or more, persons who worked 1-34 hours for noneconomic reasons (e.g., illness) and usually work full-time, and persons "with a job but not at work" who usually work full-time.

**Group Health Insurance Coverage.** Civilian persons 15 years old and over who worked in 1986 and who participated in group health insurance plans provided by the employer or union were asked whether part or all of the health insurance premiums were paid for by the union or employer and the extent of persons covered.

Additional questions were asked to determine if sample persons were covered by any other type of health insurance plan. These items are intended to measure retirees covered by continuing employer provided coverage and persons who purchased coverage on their own.

**Group Quarters.** Group quarters are noninstitutional living arrangements for groups not living in conventional housing units or groups living in housing units containing nine or more persons unrelated to the person in charge.

**Head Versus Householder.** Beginning with the March 1980 CPS, the Bureau of the Census discontinued the use of the terms "head of household" and "head of family." Instead, the terms "householder" and "family householder" are used.

**Highest Grade of School Attended.** (See Years of School Completed.)

**Hours of Work.** Hours of work statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who is off on the Veterans Day holiday is reported as working 32 hours even though he is paid for the holiday.

For persons working in more than one job, the figures related to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

**Household.** A household consists of all the persons who occupy a house, an apartment, or other group of rooms, or a room, which constitutes a housing unit. A group of rooms or a single room is regarded as a housing unit when it is occupied as separate living quarters; that is, when the occupants do not live and eat with any other person in the structure, and when there is direct access from the outside or through a common hall. The count of households excludes persons living in group quarters, such as rooming houses, military barracks, and institutions. Inmates of institutions (mental hospitals, rest homes, correctional institutions, etc.) are not included in the survey.

**Household Weight.** Household weight is the March Supplement weight of the householder.

**Householder.** The householder refers to the person (or one of the persons) in whose name the housing unit is owned or rented (maintained) or, if there is no such person, any adult member, excluding roomers, boarders, or paid employees. If the house is owned or rented jointly by a married couple, the householder may be either the husband or the wife. The person designated as the householder is the "reference person" to whom the relationship of all other household members, if any, is recorded.

**Householder With No Other Relatives in Household.** A householder who has no relatives living in the household. This is the entry for a person living alone. Another example is the designated householder of an apartment shared by two or more unrelated individuals.

**Householder With Other Relatives (Including Spouse) in Household.** The person designated as householder if he/she has one or more relatives (including spouse) living in the household.

**Husband in Armed Forces.** When a woman is reported as married but her husband is not enumerated as a member of the same household, an additional question is asked to determine whether her husband is in the Armed Forces. This additional probe is unique to the March CPS only. Women who are reported as separated are not asked the additional question.

**Income.** For each person in the sample who is 15 years old and over, questions are asked on the amount of money income received in the preceding calendar year from each of the following sources: (1) money wages or

salary; (2) net income from nonfarm self-employment; (3) net income from farm self-employment; (4) Social Security or railroad retirement; (5) Supplemental Security income; (6) public assistance or welfare payments; (7) interest (on savings or bonds); (8) dividends, income from estates or trusts, or net rental income; (9) veterans' payment or unemployment and workmen's compensation; (10) private pensions or government employee pensions; (11) alimony or child support, regular contributions from persons not living in the household, and other periodic income.

Although income statistics refer to receipts during the preceding year, the characteristics of the person such as age, labor force status, etc., and the composition of households refer to the time of the survey. The income of the household does not include amounts received by persons who are members of the household during all or part of the income year if these persons no longer resided with the household at the time of enumeration. On the other hand, household income includes amounts reported by persons who did not reside with the household during the income year but who were members of the household at the time of enumeration.

Data on consumer income collected in the CPS by the Bureau of the Census cover money income received (exclusive of certain money receipts such as capital gains) before payments for personal income taxes, Social Security, union dues, Medicare deductions, etc. Also, money income does not reflect the fact that some households receive part of their income in the form of nonmoney transfers such as food stamps, health benefits, subsidized housing, and energy assistance; that many farm households receive nonmoney income in the form of rent free housing and goods produced and consumed on the farm; or that nonmoney income is received by some nonfarm residents that often takes the form of the use of business transportation and facilities, or full or partial contributions for retirement programs, medical and educational expenses, etc. These elements should be considered when comparing income levels. Moreover, readers should be aware that for many different reasons there is a tendency in household surveys for respondents to under report their income. From an analysis of independently derived income estimates, it has been determined that wages and salaries tend to be much better reported than such income types as public assistance, Social Security, and net income from interest, dividends, rents, etc.

**Income Sources - Wages and Salary.** Money wages or salary is defined as total money earnings received for work performed as an employee during the income year. It includes wages, salary, Armed Forces pay, commissions, tips, piece-rate payments, and cash bonuses earned, before deductions are made for taxes, bonds, pensions, union dues, etc. Earnings for self-employed incorporated businesses are considered wage and salary.

**Income Sources - Nonfarm Self-Employment.** Net income from nonfarm self-employment is net money income (gross receipts minus expenses) from one's own business, professional enterprise, or partnership. Gross receipts include the value of all goods sold and services rendered. Expenses include costs of goods purchased, rent, heat, light, power, depreciation charges, wages and salaries paid, business taxes (not personal income taxes), etc. In general, inventory changes are considered in determining net income since replies based on income tax returns or other official records do reflect inventory changes. However, when values of inventory changes are not reported, net income figures exclusive of inventory changes are accepted. The value of saleable merchandise consumed by the proprietors of retail stores is not included as part of net income.

**Income Sources - Farm Self-Employment.** Net income from farm self-employment is net money income (gross receipts minus operating expenses) from the operation of a farm by a person on his own account, as an owner, as a renter, or as a sharecropper. Gross receipts include the value of all products sold, government crop loans, money received from the rental of farm equipment to others, and incidental receipts from the sale of wood, sand, gravel, etc.

Operating expenses include cost of feed, fertilizer, seed, and other farming supplies, cash wages paid to farm hands, depreciation charges, cash rent, interest on farm mortgages, farm building repairs, farm taxes (not State and Federal income taxes), etc. The value of fuel, food, or other farm products used for family living is not included as part of net income. In general, inventory changes are considered in determining net income only when they are accounted for in replies based on income tax returns or other official records which reflect inventory changes; otherwise, inventory changes are not taken into account.

**Income Sources - Social Security.** Social Security includes Social Security pensions and survivors' benefits, and permanent disability insurance payments made by the Social Security Administration prior to deductions for medical insurance and railroad retirement insurance checks from the U.S. Government. "Medicare" reimbursements are not included.

**Income Sources - Supplemental Security Income.** Supplemental Security Income includes payments made by Federal, State, and local welfare agencies to low income persons who are (1) aged (65 years old and over), (2) blind, or (3) disabled.

**Income Sources - Public Assistance.** Public assistance or welfare payments include public assistance payments such as aid to families with dependent children and general assistance.

**Income Sources - Interest and Dividends.** Interest, dividends, income from estates or trusts, net rental income or royalties include dividends from stockholdings or membership in associations, interest on savings or bonds, periodic receipts from estates or trust funds, net income from rental of a house, store, or other property to others, receipts from boarders or lodgers, and net royalties.

**Income Sources - Unemployment Compensation, Worker's Compensation, and Veterans' Payments.** Unemployment compensation, veterans' payments, or worker's compensation includes: (1) unemployment compensation received from government unemployment insurance agencies or private companies during periods of unemployment and any strike benefits received from union funds; (2) money paid periodically by the Veterans Administration to disabled members of the Armed Forces or to survivors of deceased veterans, subsistence allowances paid to veterans for education and on-the-job training, as well as so-called "refunds" paid to ex-servicemen as GI insurance premiums; and (3) worker's compensation received periodically from public or private insurance companies for injuries incurred at work. The cost of this insurance must have been paid by the employer and not by the person.

**Income Sources - Private and Government Pensions and Annuities.** Many employers and unions have established pension program their employees so that upon retirement the employee will receive regular income to replace his/her earnings. Many of these programs also provide income to the employees if he/she becomes severely disabled, or to his/her survivors if the employee dies. Other types of retirement income include annuities and paid up life insurance policies. Some people purchase annuities which yield a set amount over a certain number of years. Other people may convert their paid up life insurance policy into an annuity after they retire.

**Income Sources - Alimony and Child Support.** Alimony is money received periodically from a former spouse following a divorce or separation. Child support is money received from a former spouse for the support of their children following a divorce or legal separation. Money received from relatives or friends other than the former husband or wife is not considered as child support.

**Receipts Not Counted As Income.** Receipts from the following sources are not included as income: (1) Money received from the sale of property, such as stocks, bonds, a house, or a car (unless the person is engaged in the business of selling such property, in which case the net proceeds is counted as income from self-employment); (2) withdrawals of bank deposits; (3) money borrowed; (4) tax refunds; (5) gifts; and (6) lump-sum inheritances of insurance payments.

**Industry, Occupation, and Class of Worker (I&O) - Current Job (basic data).** For the employed, current job is the job held in the reference week (the week before the survey). Persons with two or more jobs are classified in the job at which they worked the most hours during the reference week. The unemployed are classified according to their latest full-time job lasting two or more weeks or by the job (either full-time or part-time). The I & O questions are also asked of persons not in the labor force who are in the fourth and eighth months in sample and who have worked in the last five years. The occupation/industry classification system for the 1980 Census of Population was used to code March CPS data beginning with the March 1983 file.

**Industry, Occupation, and Class of Worker-Longest Job (supplement data).** Longest job applies to the job held longest during the preceding year for persons who worked that year, without regard to their current employment status.

Subject	Character Position		Longest Job Last Year (Work Experience)
		Current or Most Recent Full-Time Job	
Industry	3 digit detailed	P 49-51	P 151-153
	2-digit detailed (Recode)	P 52-53	P 322-323
Occupation	Major Group Recode	N/A	P 316-317
	3-digit detailed	P 56-58	P 154-156
	2-digit detailed (Recode)	P 54-55	P 318-319
	Major Group recode	N/A	P 320-321
Class of Worker		P 59	P 314

**Job Seekers.** All unemployed persons who made specific efforts to find a job sometime during the 4-week period preceding the survey week.

**Keeping House.** Persons are classified as keeping house if they engage in own housework. This is one of the "not in labor force" classifications--employment status recode (ESR) = 4.

**Labor Force.** Persons are classified as in the labor force if they are employed, unemployed, or in the Armed Forces during the survey week. The "civilian labor force" includes all civilians classified as employed or unemployed. The file includes labor force data for civilians age 14 and over. However, the official definition of the civilian labor force is age 16 and over.

1. **Employed.** Employed persons comprise (1) all civilians who, during the survey week, do any work at all as paid employees or in their own business or profession, or on their own farm, or who work 15 hours or more as unpaid workers on a farm in a business operated by a member of the family; and (2) all those who have jobs but who are not working because of illness, bad weather, vacation, or labor-management dispute, or because they are taking time off for personal reasons, whether or not they are seeking other jobs. These persons would have an Employment Status Recode (ESR) of 1 or 2 respectively in character 12 of the person record which designates "at work" and "with a job, but not at work." Each employed person is counted only once. Those persons who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week. If they worked an equal number of hours at more than one job, they are counted at the job they held the longest.
2. **Unemployed.** Unemployed persons are those civilians who, during the survey week, have no employment but are available for work, and (1) have engaged in any specific job seeking activity within the past 4 weeks such as registering at a public or private employment office, meeting with prospective employers, checking with friends or relatives, placing or answering

advertisements, writing letters of application, or being on a union or professional register; (2) are waiting to be called back to a job from which they had been laid off; or (3) are waiting to report to a new wage or salary job within 30 days. These persons would have an ESR code of 3 in character 12 of the person record. The unemployed includes job leavers, job losers, new job entrants, and job reentrants.

- a. **Job Leavers.** Persons who quit or otherwise terminate their employment voluntarily and immediately begin looking for work.
  - b. **Job Losers.** Persons whose employment ends involuntarily, who immediately begin looking for work, and those persons who are already on layoff.
  - c. **New Job Entrants.** Persons who never worked at a full-time job lasting two weeks or longer.
  - d. **Job Reentrants.** Persons who previously worked at a full-time job lasting two weeks or longer but are out of the labor force prior to beginning to look for work.
3. **Not in Labor Force.** All civilians 14 years old and over who are not classified as employed or unemployed. These persons are further classified as major activity: keeping house, going to school, unable to work because of long-term physical or mental illness, and other. The "other" group includes, for the most part, retired persons. Persons who report doing unpaid work in a family farm or business for less than 15 hours are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for three previous months and would not be in for the subsequent month.

These items are asked in question 24; see the questionnaire facsimile. Such persons have an ESR code of 4-7 in character 12 of the person record.

Finally, it should be noted that the unemployment rate represents the number of persons unemployed as a percent of the civilian labor force 16 years old and over. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, etc. The job loser, job leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force 16 years old and over; the sum of the rates for the four groups thus equals the total unemployment rate.

**Layoff.** A person who is unemployed but expects to be called back to a specific job. If he/she expects to be called back within 30 days, it is considered a temporary layoff; otherwise, it is an indefinite layoff.

**Looking for Work.** A person who is trying to get work or trying to establish a business or profession.

**March Supplement Weight.** The March supplement weight is on all person records and is used to produce "supplement" estimates; that is, income, work experience, migration, and family characteristic estimates.

**Marital Status.** The marital status classification identifies four major categories: single (never married), married, widowed, and divorced. These terms refer to the marital status at the time of enumeration.

The category "married" is further divided into "married, civilian spouse present," "married, Armed Force spouse present," "married, spouse absent," "married, Armed Force spouse absent," and "separated." A person is classified as "married, spouse present" if the husband or wife is reported as a member of the household even though he or she may be temporarily absent on business or on vacation, visiting, in a hospital, etc., at the time of the enumeration. Persons reported as "separated" included those with legal separations, those living apart with intentions of obtaining a divorce, and other persons permanently or temporarily estranged from their spouses because of marital discord.

For the purpose of this file, the group "other marital status" includes "widowed and divorced," "separated," and "other married, spouse absent."

**Medicare.** The Medicare Program is designed to provide medical care for the aged and disabled. The Basic Hospital Insurance Plan (Part A) is designed to provide basic protection against hospital costs and related post-hospital services. This plan also covers many persons under 65 years old who receive Social Security or railroad retirement benefits based on long-term disability. Part A is financed jointly by employers and employees through Social Security payroll deductions. Qualified persons 65 years old and over who are not otherwise eligible for Part A benefits may pay premiums directly to obtain this coverage. The Medical Insurance Plan (Part B) is a voluntary plan which builds upon the hospital insurance protection provided by the basic plan. It provides insurance protection covering physicians' and surgeons' services and a variety of medical and other health services received either in hospitals or on an ambulatory basis. It is financed through monthly premium payments by each enrollee, and subsidized by Federal general revenue funds.

The Medicare question on the March 1988 CPS attempted to identify all persons 15 years old and over who were "covered" by Medicare at any time during 1986. The term "covered" means enrolled in the Medicare Program. In order to be counted, the person did not necessarily have to receive medical care paid for by Medicare.

**Medicaid.** The Medicaid Program is designed to provide medical assistance to needy families with dependent children, and to aged, blind, or permanently and totally disabled individuals whose incomes and resources are insufficient to meet the costs of necessary medical services. The program is administered by State agencies through grants from the Health Care Financing Administration of the Department of Health and Human Services. Funding for medical assistance payments consists of a combination of Federal, State, and in some cases, local funds.

Medicaid is a categorical program with complex eligibility rules which vary from State to State. There are two basic groups of eligible individuals: the categorically eligible and the medically needy. The major categorically eligible groups are all Aid to families with Dependent Children (AFDC) recipients and most Supplemental Security Income (SSI) recipients. Other categorically eligible groups are (1) those who meet basic State cash assistance eligibility rules—aged, blind, disabled, needy single parents with children, and, in some States, needy unemployed parents with children, but who are not currently receiving money payments; and (2) needy persons who meet categorical eligibility standards but are institutionalized for medical reasons (e.g., low-income elderly persons in nursing homes). However, such institutionalized persons are not included in the CPS universe and, therefore, are not reflected in these statistics.

In roughly one-half of the States, coverage is extended to the medically needy—persons meeting categorical age, sex, or disability criteria, whose money incomes and assets exceed eligibility levels for cash assistance but are not sufficient to meet the cost of medical care. In such States, qualifying income and asset levels are usually above those set for cash assistance. Families with large medical expenses relative to their incomes and assets may also meet medically needy eligibility standards in these States.

The Medicaid question on the March 1988 CPS attempted to identify all persons who were "covered" by Medicaid at any time during 1986. The term "covered" means enrolled in the Medicaid program, i.e., had a



Medicaid medical assistance card, or incurred medical bills which were paid for by Medicaid. In order to be counted, the person **did not** have to receive medical care paid for by Medicaid.

After data collection and creation of an initial microdata file, further refinements were made to assign Medicaid coverage to children. In this procedure all children under 21 years old in families were assumed to be covered by Medicaid if either the householder or spouse reported being covered by Medicaid (this procedure was required mainly because the Medicaid coverage question was asked only for persons 15 years old and over). All adult AFDC recipients and their children, and SSI recipients living in States which legally require Medicaid coverage of all SSI recipients, were also assigned coverage.

**Mobility Status.** The population of the United States, 15 years old and over, is classified according to mobility status on the basis of a comparison between the place of residence of each individual at the time of the March 1988 CPS and the place of residence in March 1986.

The information on mobility status is obtained from the responses to a series of inquiries. The first of three inquiries is: "Was...living in this house 1 year ago...?" If the answer was "No," the enumerator asked, "Where did...live on March 1, 1986?" In classification, three main categories distinguish nonmovers, movers, and persons abroad.

Nonmovers are all persons who are living in the same house at the end of the period as at the beginning of the period. Movers are all persons who are living in a different house at the end of the period than at the beginning of the period. Movers from abroad include all persons, either citizens or aliens, whose place of residence is outside the United States at the beginning of the period, that is, in an outlying area under the jurisdiction of the United States or in a foreign country.

**Month-In-Sample.** The term is defined as the number of times a unit is interviewed. Each unit is interviewed eight times during the life of the sample.

**Never Worked.** A person who has never held a full-time civilian job lasting two consecutive weeks or more.

**Nonfamily Householder.** A nonfamily householder (formerly called a primary individual) is a person maintaining a household while living alone or with nonrelatives only.

**Nonfarm Self-employment Net Income.** The term is defined as net money income (gross receipts minus expenses) from an individual's own business, professional enterprise, or partnership. Gross receipts include the value of all goods sold and services rendered. Expenses include costs of goods purchased, rent, heat, light, power, depreciation charges, wages and salaries paid, business taxes (not personal income taxes), etc. In general, inventory changes are considered in determining net income; replies based on income tax returns or other official records do reflect inventory changes; however, when values of inventory changes are not reported, net income figures exclusive of inventory changes are accepted. The value of saleable merchandise consumed by the proprietors of retail stores is not included as part of net income.

**Nonworker.** A person who does not do any work in the calendar year preceding the survey.

**Nonrelative of Householder With No Own Relatives in Household.** A nonrelative of the householder who has no relative(s) of his own in the household. This category includes such nonrelatives as a foster child, a ward, a lodger, a servant, or a hired hand, who has no relatives of his own living with him in the household.

**Nonrelative of Householder With Own Relatives (Including Spouse) in Household.** Any household member who is not related to the householder but has relatives of his own in the household; for example, a lodger, his spouse, and their son.

**Other Relative of Householder.** Any relative of the householder other than his spouse or child; for example, father, mother, grandson, daughter-in-law, etc.

**Own Child.** A child related by birth, marriage, or adoption to the family householder.

**Part-Time, Economic Reasons.** The item includes slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. (See also Full-Time Worker.)

**Part-Time Other Reasons.** The item includes labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during peak season.

**Part-Time Work.** Persons who work between 1 and 34 hours are designated as working "part-time" in the current job held during the reference week. For the March supplement, a person is classified as having worked part-time during the preceding calendar year if he worked less than 35 hours per week in a majority of the weeks in which he worked during the year. Conversely, he is classified as having worked full-time if he worked 35 hours or more per week during a majority of the weeks in which he worked.

**Part-Year Work.** Part-year work is classified as less than 50 weeks' work.

**Pension Plan.** The pension plan question on the March 1988 CPS attempted to identify if pension plan coverage was available through an employer or union and if the employee was included. This information was collected for civilian persons 15 years old and over who worked during 1986.

**Population Coverage.** Population coverage includes the civilian population of the United States plus approximately 820,000 members of the Armed Forces in the United States living off post or with their families on post but excludes all other members of the Armed Forces. This file excludes inmates of institutions. The labor force and work experience data are not collected for Armed Forces members.

**Poverty.** In this file, families and unrelated individuals are classified as being above or below the poverty level using a poverty index adopted by a Federal Interagency Committee in 1969 and slightly modified in 1981.

The modified index provides a range of income cutoffs or "poverty thresholds" adjusted to take into account family size, number of children, and age of the family householder or unrelated individual; prior to 1981, adjustments were also made on the basis of farm-nonfarm residence and sex of the householder. The impact of these revisions on the poverty estimates is minimal at the national level. The poverty cutoffs are updated every year to reflect changes in the Consumer Price Index. The average poverty threshold for a family of four was \$10,989 in 1985. For a detailed explanation of the poverty definition, see **Current Population Reports, Series P-60, No. 154 "Money Income and Poverty Status of Persons in the United States: 1985."**

**Public Assistance.** (See Income.)

**Public or Other Subsidized Housing.** Participation in public housing is determined by two factors: program eligibility and the availability of housing. Income standards for initial and continuing occupancy vary by local housing authority, although the limits are constrained by Federal guidelines. Rental charges, which, in turn, define net benefits, are set by a Federal statute not to exceed 30 percent of net monthly money income. A recipient unit can either be a family of two or more related persons or an individual who is handicapped, elderly, or displaced by urban renewal or natural disaster.

There are some programs through which housing assistance is provided to low-income families and individuals living in public or privately owned dwellings. Two of the more common types of programs in which Federal, State, and local funds are used to subsidize private sector housing are rent supplement and interest reduction plans. Under a rent supplement plan the difference between the "fair market" rent and the rent charged to the tenant is paid to the owner by a government agency. Under an interest reduction program the amount of interest paid on the mortgage by the owner is reduced so that subsequent savings can be passed along to low income tenants in the form of lower rent charges.

There were two questions dealing with public and low cost housing on the March 1988 CPS supplement questionnaire. The first question identifies residence in a housing unit owned by a public agency. The second question identifies beneficiaries who were not living in public housing projects, but who were paying lower rent

due to a government subsidy. These questions differ from other questions covering noncash benefits in that they establish current reciprocity status in March 1988 rather than reciprocity status during 1986.

**Race.** The population is divided into three groups on the basis of race: White, Black, and Other races. The last category includes Indians, Japanese, Chinese, and any other race except White and Black. In most of the published tables, "Other Races" are shown in total population.

**Receipts Not Counted as Income.** Receipts from the following sources are not included as income: (1) money received from the sale of property, such as stocks, bonds, a house, or a car (unless the person was engaged in the business of selling such property, in which case the net proceeds would be counted as income from self-employment); (2) withdrawals of bank deposits; (3) money borrowed; (4) tax refunds; (5) gifts; and (6) lump-sum inheritances or insurance payments.

**Reentrants.** Persons who previously worked at a full-time job lasting two weeks or longer but who are out of the labor force prior to beginning to look for work.

**Related Children.** Related children in a family include own children and all other children in the household who are related to the householder by birth, marriage, or adoption. For each type of family unit identified in the CPS, the count of own children under 18 years old is limited to single (never married) children; however, "own children under 25" and "own children of any age," include all children regardless of marital status. The totals include never-married children living away from home in college dormitories.

**Related Subfamily.** A related subfamily is a married couple with or without children, or one parent with one or more own single (never married) children under 18 years old, living in a household and related to, but not including, the householder or spouse. The most common example of a related subfamily is a young married couple sharing the home of the husband's or wife's parents. The number of related subfamilies is not included in the number of families.

**School.** A person who spent most of his time during the survey week attending any kind of public or private school, including trade or vocational schools in which students receive no compensation in money or kind.

**School Lunches.** The National School Lunch Program is designed to assist States in providing a school lunch for all children at moderate cost. The National School Lunch Act of 1946 was further amended in 1970 to provide free and reduced-price school lunches for children of needy families. The program is administered by the Food and Nutrition Service of the U.S. Department of Agriculture (USDA) through State educational agencies or through regional USDA nutrition services for nonprofit private schools. The program is funded by a combination of Federal funds and matching State funds.

All students eating lunches prepared at participating schools pay less than the total cost of the lunches. Some students pay the "full established" price for lunch (which itself is subsidized) while others pay a "reduced" price for lunch, and still others receive a "free" lunch. Program regulations require students receiving free lunches to live in households with incomes below 125 percent of the official poverty level. Those students receiving a reduced-price school lunch (10 to 20 cents per meal) live in households with incomes between 125 percent and 195 percent of the official poverty level. The data in this file, however, do not distinguish between reciprocity of free and reduced-price school lunches.

The questions on the March 1988 CPS provide a very limited amount of data for the school lunch program. Questions concerning the school lunch program were designed to identify the number of members 5 to 18 years old in households who "usually" ate a hot lunch. This defined the universe of household members usually receiving this noncash benefit. This was followed by a question to identify the number of members receiving free or reduced price lunches.

**Secondary Individual.** A secondary individual is a person in a household or group quarters such as a guest, roomer, boarder, or resident employee (excluding nonfamily households and inmates of institutions) who is not related to any other person in the household or group quarters.

**Self-Employed.** Self-employed persons are those who work for profit or fees in their own business, profession or trade, or operate a farm.

**Spanish Origin.** Persons of Spanish origin in this file are determined on the basis of a question that asked for self-identification of the person's origin or descent. Respondents are asked to select their origin (or the origin of some other household member) from a "flash card" listing ethnic origins. Persons of Spanish origin, in particular, are those who indicated that their origin was Mexican-American, Chicano, Mexican, Mexicano, Puerto Rican, Cuban, Central or South American, or other Spanish.

**Stretches of Unemployment.** A continuous stretch is one that is not interrupted by the person getting a job or leaving the labor market to go to school, to keep house, etc. A period of two weeks or more during which a person is employed or ceased looking for work is considered to break the continuity of the period of seeking work.

**Total Money Income.** The term is defined as the arithmetic sum of money wages and salaries, net income from self-employment, and income other than earnings. The total income of a household is the arithmetic sum of the amounts received by all income recipients in the household.

**Unable to Work.** A person is classified as unable to work because of long-term physical or mental illness, lasting six months or longer.

**Unemployed.** (See Labor Force.)

**Unemployment Compensation.** (See Income.)

**Unpaid Family Workers.** Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by birth or marriage.

**Unrelated Individuals.** Unrelated individuals are persons of any age (other than inmates of institutions) who are not living with any relatives. An unrelated individual may be (1) a nonfamily householder living alone or with nonrelatives only, (2) a roomer, boarder, or resident employee with no relatives in the household, or (3) a group quarters member who has no relatives living with him/her. Thus, a widow who occupies her house alone or with one or more other persons not related to her, a roomer not related to anyone else in the housing unit, a maid living as a member of her employer's household but with no relatives in the household, and a resident staff member in a hospital living apart from any relatives are all examples of unrelated individuals.

**Unrelated Subfamily.** An unrelated subfamily is a family that does not include among its members the householder and relatives of the householder. Members of unrelated subfamilies may include persons such as guests, roomers, boarders, or resident employees and their relatives living in a household. The number of unrelated subfamily members is included in the number of household members but is not included in the count of family members.

Persons living with relatives in group quarters were formerly considered as members of families. However, the number of such unrelated subfamilies became so small (37,000 in 1967) that beginning with the data for 1968 (and beginning with the census data for 1960) the Bureau of the Census includes persons in these unrelated subfamilies in the count of secondary individuals.

**Veteran Status.** If a male served at any time during the four major wars of this century, the code for the most recent wartime service is entered. The following codes are used:

0	Females, children under 15
1	Vietnam era
2	Korean
3	WWI
4	WWII
5	Other Service
6	Nonveteran

**Wage and Salary Workers.** Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental unit. Also included are persons who are self-employed in an incorporated business. (See income.)

**Weeks Worked in the Income Year.** Persons are classified according to the number of different weeks, during the preceding calendar year, in which they did any civilian work for pay or profit (including paid vacations and sick leave) or worked without pay on a family-operated farm or business.

**Workers.** (See Labor Force--Employed.)

**Work Experience.** Includes those persons who during the preceding calendar year did any work for pay or profit or worked without pay on a family-operated farm or business at any time during the year, on a part-time or full-time basis.

**Year-Round Full-Time Worker.** A year-round full-time worker is one who usually worked 35 hours or more per week for 50 weeks or more during the preceding calendar year.

**Years of School Completed.** Data on years of school completed are derived from the combination of answers to questions concerning the highest grade of school attended by the person and whether or not that grade is finished. Educational attainment applies only to progress in "regular" school. Such schools include graded public, private, and parochial elementary and high schools (both junior and senior high), colleges, universities, and professional schools, whether day schools or night schools. Thus, regular schooling is that which may advance a person toward an elementary school certificate or high school diploma, or a college, university, or professional school degree. Schooling in other than regular schools is counted only if the credits obtained are regarded as transferable to a school in the regular school system.



## GLOSSARY

### Geographic Concepts

**Geographic Division.** An area composed of contiguous States, with Alaska and Hawaii also included in one of the divisions. (A State is one of the 51 major political units in the United States.) The nine geographic divisions have been largely unchanged for the presentation of summary statistics since the 1910 census.

**Regions.** There are four regions: Northeast, Midwest (formerly North Central),<sup>1</sup> West, and South. States and divisions within regions are presented below.

### NORTHEAST REGION

#### New England Division

Connecticut  
Maine  
Massachusetts  
New Hampshire  
Rhode Island  
Vermont

#### Middle Atlantic Division

New Jersey  
New York  
Pennsylvania

### MIDWEST REGION

#### East North Central Division

Illinois  
Indiana  
Michigan  
Ohio  
Wisconsin

#### West North Central Division

Iowa  
Kansas  
Minnesota  
Missouri  
Nebraska  
North Dakota  
South Dakota

### WEST REGION

#### Mountain Division

Arizona  
Colorado  
Idaho  
Montana  
Nevada  
Utah  
Wyoming

#### Pacific Division

Alaska  
California  
Hawaii  
Oregon  
Washington

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1. The Midwest Region was designated as the North Central Region until June 1984.

## SOUTH REGION

### East South Central Division

Alabama  
Kentucky  
Mississippi  
Tennessee

### West South Central Division

Arkansas  
Louisiana  
Oklahoma  
Texas

## SOUTH ATLANTIC DIVISION

Delaware  
District of Columbia  
Florida  
Georgia  
Maryland  
North Carolina  
South Carolina  
Virginia  
West Virginia



## ATTACHMENT 5

### Note To Users

**Interview and Noninterview Record Layouts.** Record layouts are similar for both interviewed and noninterviewed households. Geographic data are provided for both types of records, but employment figures are furnished only for interviewed households. For noninterviewed households, these corresponding character positions are blank or padded. However, in word 7, characters 1 and 2, interview records show data for item 20, whether the household member worked last week and range of hours worked; noninterview Type A records show race of head and reason for noninterview; noninterview Types B and C records show reason for noninterview.

Records for households for which **no interviews** were obtained are located at the beginning of each identified geographic area. These noninterview records, having the same record length as an interviewed person's record, occasionally contain codes or numerical values that fall within a valid range of values but are analytically meaningless since these records do not represent actual person records. These records are identified by having a numerical **code of "2" or "3" in word 1, character 1** of each new record. To eliminate these records and prevent the inadvertent analysis of "non-person" records, data users should select only those cases identified by a numerical code of "1" (representing an interview record) in the first column of each record.

**Calculating Location of Data Within a Word.** In the record layout, location of data is indicated by character position within a word. Each word signifies six character position on the tape. To determine the location of specific data, calculate the number of positions allocated for all previous words; then, to that figure, add the character location (1-6) specified within the designated word. For example, data for major activity last week (Current Population Survey, Adult Interview Record Layout, page 12) corresponds to word 9, character 1. Multiplying the number of previous words by the number of character positions per word equals 48 positions allocated for data. Thus, the first character of word 9 is located in position 49.

8	Number of previous words
x 6	Number of character positions per word
<hr/>	
48	Number of positions allocated for data
+ 1	Character positions within designated word
<hr/>	
49	Location of data for word 9, character 1

To determine the location of data reflecting the reason a respondent works less than 35 hours a week (word 9, character 5-6), repeat the above calculations except substitute a "5" (noting character position within word) in place of the "1". Calculations show that this item occupies character positions 53 and 54.



## CURRENT POPULATION SURVEY

## ADULT INTERVIEW RECORD LAYOUT

## STANDARD PUBLIC USE FILES

(Beginning January 1986)

Attachment A

Page 1

Word	Char.	Characteristic	Universe	Description	
1	1	Record type	All	Interviewed Adult	1
	2	Month in Sample (Recoded from Month and Rotation)	All		1-8
	3	Blank			
	4-6				
2	1-6	Household ID Number	All		
3	1-3				
	4	Region (From M.S.T.) <sup>1/</sup>	All	Northeast	1
				Midwest	2
				South	3
				West	4

<sup>1/</sup> MST: Master Segment Tape; supplies all geographic identifiers for CPS data.

-more-

Word	Char.	Characteristic	Universe	Description	
3	5	Division (From M.S.T.)	All	New England	1
				Middle Atlantic	2
				East North Central	3
				West North Central	4
				South Atlantic	5
				East South Central	6
				West South Central	7
				Mountain	8
				Pacific	9
	5-6	State (1st digit of State Code is Division Code) (From M.S.T.)	All	<u>New England Division</u>	
				Maine	11
				New Hampshire	12
				Vermont	13
				Massachusetts	14
				Rhode Island	15
				Connecticut	16
				<u>Middle Atlantic Division</u>	
				New York	21
				New Jersey	22
				Pennsylvania	23
				<u>East North Central Division</u>	
				Ohio	31
				Indiana	32
				Illinois	33
				Michigan	34
				Wisconsin	35

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't.)	All	<u>West North Central Division</u> Minnesota 41 Iowa 42 Missouri 43 North Dakota 44 South Dakota 45 Nebraska 46 Kansas 47  <u>South Atlantic Division</u> Delaware 51 Maryland 52 District of Columbia 53 Virginia 54 West Virginia 55 North Carolina 56 South Carolina 57 Georgia 58 Florida 59  <u>East South Central Division</u> Kentucky 61 Tennessee 62 Alabama 63 Mississippi 64  <u>West South Central Division</u> Arkansas 71 Louisiana 72 Oklahoma 73 Texas 74

Word	Char.	Characteristic	Universe	Description	
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't.)	All	<u>Mountain Division</u>	
				Montana	81
				Idaho	82
				Wyoming	83
				Colorado	84
				New Mexico	85
				Arizona	86
				Utah	87
				Nevada	88
				<u>Pacific Division</u>	
				Washington	91
				Oregon	92
				California	93
				Alaska	94
				Hawaii	95
4	1-2	State Rankings (From M.S.T.)	All		<u>1980 Ranking</u>
				California (CA)	01
				New York (NY)	02
				Texas (TX)	03
				Pennsylvania (PA)	04
				Illinois (IL)	05
				Ohio (OH)	06
				Florida (FL)	07
				Michigan (MI)	08
				New Jersey (NJ)	09
				North Carolina (NC)	10
				Massachusetts (MA)	11
				Indiana (IN)	12
				Georgia (GA)	13
				Virginia (VA)	14
				Missouri (MO)	15
				Wisconsin (WI)	16
				Tennessee (TN)	17

-more-

Word	Char.	Characteristic	Universe	Description
4	1-2	State Rankings (From M.S.T.) (Con't.)	All	<div> <div>1980 Ranking</div> <div> Maryland (MD) 18  Louisiana (LA) 19  Washington (WA) 20  Minnesota (MN) 21  Alabama (AL) 22  Kentucky (KY) 23  South Carolina (SC) 24  Connecticut (CT) 25  Oklahoma (OK) 26  Iowa (IA) 27  Colorado (CO) 28  Arizona (AZ) 29  Oregon (OR) 30  Mississippi (MS) 31  Kansas (KS) 32  Arkansas (AR) 33  West Virginia (WV) 34  Nebraska (NE) 35  Utah (UT) 36  New Mexico (NM) 37  Maine (ME) 38  Hawaii (HI) 39  Rhode Island (RI) 40  Idaho (ID) 41  New Hampshire (NH) 42  Nevada (NV) 43  Montana (MT) 44  South Dakota (SD) 45  North Dakota (ND) 46  Dist. of Columbia (DC) 47  Delaware (DE) 48  Vermont (VT) 49  Wyoming (WY) 50  Alaska (AK) 51 </div> </div>

-more-

Word	Char.	Characteristic	Universe	Description	
4	3-4	PADDING			
	5	<u>Item 1</u> —INTERVIEWER CHECK ITEM	All	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household Second CPS-1 of cont. household Third, fourth, etc. CPS-1	- 1  2 3 4
	6	Blank			
5	1-3	Blank			
	4-6	<u>Item 10</u> —INTERVIEWER CODE	All	Blank or Impossible in any digit	-NA, or A00-M99 (Excluding Ixx)
6	1	<u>Item 12</u> —LINE NO. H'HLD. RESP.	All	Blank or Impossible Line Number Non H'hld. Resp.	- 1-6 7
	2	<u>Item 13</u> —TYPE INTERVIEW	All	Blank Personal Tel.—Regular Tel.—Callback ICR Filled	- 2 3 4 5
	3-4	<u>Item 11</u> —DATE COMPLETED (Through September 1986)	All	Blank (each) Day of Month	- — or 10-29
	3	PADDING (Beginning October 1986)			

-more-



Word	Char.	Characteristic	Universe	Description	
6	4	<u>Item 11</u> —DAY COMPLETED (Beginning October 1986)	All	Blank Sunday Monday Tuesday Wednesday Thursday Friday Saturday After Interview Week	— 1 2 3 4 5 6 7 8
	5	<u>Item 26A1</u> —Is ... attending or enrolled in a high school, college or university?	Item 26 = 1	Yes No	1 2
	6	<u>Item 26A2</u> —Verification of Item 26A1	Item 26A1 = 1	High School College or University	1 2
7	1	<u>Item 20</u> —Did ... do any work at all LAST WEEK?	All	Blank or Impossible Yes No	— 1 2
	2	<u>Item 20B</u> —INTERVIEWER CHECK	All	Blank or Impossible 49+ hours 1-34 hours 35-48 hours	— 1 2 3
	3	<u>Item 21</u> —Did ... have a job or business from which he was temporarily absent or on layoff LAST WEEK?	All	Blank or Impossible Yes No	— 1 2
	4	<u>Item 22</u> —Has he/she been looking for work during the past 4 weeks?	All	Blank or Impossible Yes No	— 1 2

Word	Char.	Characteristic	Universe	Description	
7	5	<u>Item 24</u> —INTERVIEWER CHECK ITEM	All	Blank or Impossible Unit is in continuing rotation Unit is in departing rotation	-  1 2
	6	Blank			
8	1	Land Usage (Recode) (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document <u>Items 5a and 5b.</u> )	All	Nonfarm Farm	1 2, 3
	2-3	<u>Item 4</u> —TYPE OF LIVING QUARTERS (Recode)	All	<u>Housing Unit</u> House, apt., flat HU in nontransient hotel, etc. HU, permanent, in trans. hotel, motel, etc. HU in rooming house Mobile home or Trailer HU not specified above <u>Other Unit</u> Qtrs. not HU in rooming or boarding house Unit not permanent in trans. hotel, motel, etc. Tent or trailer site Other not HU	01 02  03 04 05 06  07 08 09 10
	4	Farm Definition (Recode) (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document <u>Items 5a and 5b.</u> )	All	Nonfarm Farm	1 2, 3

-more-

Word	Char.	Characteristic	Universe	Description	
8	5	PADDING			
	6	<u>Item 9</u> —HOUSEHOLD NUMBER	All		1-8
9	1	<u>Item 19</u> (Recode)—What was ... doing most of LAST WEEK (major activity)?	All	Working With a job Looking House School Unable Other (Incl. Retired)	1 2 3 4 5 6 7
	2-3	<u>Item 20A</u> —How many hours did ... work LAST WEEK at all jobs?	ESR 1	Number of Hours	01-99
	4	<u>Item 20C</u> —Does ... USUALLY work 35 hours or more a week at this job?	ESR 1 & Item 20A less than 35 hours	Yes No	1 2
	5-6	<u>Item 20C</u> —Reason worked less than 35 hours a week	ESR 1 & Item 20A less than 35 hours	Slack work Material shortage Plant or machine repair New job started during week Job terminated during week Could find only part-time work Holiday (Legal or Religious) Labor dispute Bad weather Own illness On vacation Too busy with home, school, etc. Did not want full-time work Full-time work week under 35 hrs. Other reason	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

-more-

Word	Char.	Characteristic	Universe	Description	
10	1	<u>Item 21A</u> —Why was ... absent from work LAST WEEK?	ESR 2	Own illness	1
				On vacation	2
				Bad weather	3
				Labor dispute	4
			ESR 3	New job to begin within 30 days	5
				Temporary layoff (under 30 days)	6
				Indefinite layoff (30 days or more or no definite recall date)	7
			ESR 2	Other	8
	2	<u>Item 21B</u> —Is ... getting wages or salary for any of the time off LAST WEEK?	ESR 2	Yes	1
				No	2
				Self-employed	3
	3	<u>Item 21C</u> —Does ... usually work 35 hours or more a week at this job?	ESR 2	Yes	1
				No	2
		<u>Item 22A</u> —What has ... been doing in the last 4 weeks to find work?			
		Methods used—through word 11:4. Multiple entries are possible.			
	4	Checked with public employment agency.	ESR 3 and I22 = Yes	Blank Entry	— 1
	5	Checked with private employment agency.	ESR 3 and I22 = Yes	Blank Entry	— 1

-more-

Word	Char.	Characteristic	Universe	Description	
<u>Item 22A—Methods (Con't.)</u>					
10	6	Checked with employer directly.	ESR 3 and I22 = Yes	Blank Entry	- 1
11	1	Checked with friends or relatives.	ESR 3 and I22 = Yes	Blank Entry	- 1
	2	Placed or answered ads.	ESR 3 and I22 = Yes	Blank Entry	- 1
	3	Nothing	ESR 4-7	Blank Entry	- 1
	4	Other	ESR 3 and I22 = Yes	Blank Entry	- 1
	5	<u>Item 22B—At the time ...</u> started looking for work, was it because he/she lost or quit a job or was there some other reason? (Recoded)	ESR 3 Except Layoff in Item 21A, codes 6 & 7	Lost job Quit job Left school Wanted temporary work Other	1 2 3 4 5
	6	<u>Item 22C—Weeks unemployed</u> (New job starting in 30 days, weeks laid off, or weeks looking for work)	ESR 3	Number of weeks	00-99
12	1				
	2	<u>Item 22D—Has ... been looking</u> for full-time or part-time work?	ESR 3	Full Part	1 2

-more-

Word	Char.	Characteristic	Universe	Description	
12	3	<u>Item 22E</u> —Could ... have taken a job last week if one had been offered? <u>1/</u>	ESR 3	No	1
				Yes	2
	4	<u>Item 22E</u> —Digit 2—Why not? <u>1/</u>	ESR 3 & I22E1 = 1	Already had a job	1
				Temporary illness	2
			ESR 4-7 & I22E1 = 1	Going to school	3
				Other	4
	5	<u>Item 22F</u> —When did ... last work at a full-time job or business lasting 2 consecutive weeks or more? (Recoded)	ESR 3	Re-entrants to Labor Force	In last 5 years 1 Before last 5 years 2
			New entrants to Labor Force	Never worked full-time 2 weeks or more	3
				Never worked at all	4
	6	<u>Item 24A</u> —When did ... last work for pay at a regular job or business, either full- or part-time?	ESR 4-7 and Month in Sample is 4 or 8 (Departing rotations)	Within past 12 months	1
				1 up to 2 years ago	2
				2 up to 3 years ago	3
				3 up to 4 years ago	4
				4 up to 5 years ago	5
				5 or more years ago	6
				Never worked	7
13	1	<u>Item 24B</u> —Why did ... leave that job?	1-5 in Item 24A	Personal, family or school	1
				Health	2
				Retirement or old age	3
				Seasonal job completed	4
				Slack work or business conditions	5
				Temporary nonseasonal job completed	6
				Unsatisfactory work arrangements	7
				Other	8

1/ (Recoded to conform to pre-January 1986 wording)

-more-

Word	Char.	Characteristic	Universe	Description	
13	2	<u>Item 24C</u> —Does ... want a regular job now, either full- or part-time?	ESR 4-7 and Month in Sample is 4 or 8 (Departing rotations)	Yes Maybe, it depends No Don't know	1 2 3 4
		<u>Item 24D</u> —What are the reasons ... is not looking for work?			
		Reasons through 15:1. Multiple entries possible.			
	3	<u>Believes no work</u> available in line of work or area	Item 24C is 1 or 2	Blank Entry	— 1
	4	<u>Couldn't find</u> any work	Item 24C is 1 or 2	Blank Entry	— 1
	5	<u>Lacks necessary schooling, training, skills or experience</u>	Item 24C is 1 or 2	Blank Entry	— 1
	6	Employers think <u>too young</u> or <u>too old</u>	Item 24C is 1 or 2	Blank Entry	— 1
14	1	Other <u>personal handicap</u> in finding job	Item 24C is 1 or 2	Blank Entry	— 1
	2	Can't arrange <u>child care</u>	Item 24C is 1 or 2	Blank Entry	— 1

-more-

Word	Char.	Characteristic	Universe	Description	
<u>Item 24D—Reasons (Con't.)</u>					
14	3	<u>Family</u> responsibilities	Item 24C is 1 or 2	Blank Entry	— 1
	4	<u>In school</u> or other training	Item 24C is 1 or 2	Blank Entry	— 1
	5	<u>Ill health</u> , physical disability	Item 24C is 1 or 2	Blank Entry	— 1
	6	Other	Item 24C is 1 or 2	Blank Entry	— 1
15	1	Don't Know	Item 24C is 1 or 2	Blank Entry	— 1
	2	<u>Item 24E—Does ... intend</u> to look for work of any kind in the next 12 months?	ESR 4-7 & Month in Sample is 4 or 8 (Departing rotations)	Yes It depends No Don't know	1 2 3 4
	3	<u>Item 23E—Class of worker</u> (Edited and Recoded)	a) ESR 1 or 2 b) ESR 3 c) ESR 4-7, Month in Sample is 4 or 8 & Item 24A is 1-5.	Private Government Self-employed Without pay Never worked or Never worked full-time	1 2 3 4 5
	4-6	Dummy Code			

-more-



Word	Char.	Characteristic	Universe	Description
16	1-3	Dummy Code		
	4-5	<u>Item 18A</u> —LINE NUMBER	All	01-39
	6	<u>Item 18B</u> —RELATIONSHIP TO HEAD OF HOUSEHOLD	All	Head with other relatives (inc. wife) in household 1 Head with no other relatives in household 2 Wife of head 3 Other relative of head 4 Nonrelative of head with own relatives (include wife) in household 5 Nonrelative of head with no own relatives in household 6
		(Recode from Relationship to Reference Person. See Word 58 char. 5 for unedited relation- ship to reference person characteristic.)		
17	1-2	<u>Item 18D</u> —AGE	All	14-90 *
	3	<u>Item 18E</u> —MARITAL STATUS (Recode)	All	Married, civilian spouse present 1 Married, Armed Force spouse present 2 Married, spouse absent (includes separated) 3 Widowed or divorced 4 Never Married 5
	4	<u>Item 18J</u> —RACE (Recode)	All	White 1 Black 2 Other 3

\* Topcoded at 90 years of age.

-more-

Word	Char.	Characteristic	Universe	Description	
17	5	<u>Item 18G</u> —SEX	All	Male	1
				Female	2
	6	<u>Item 18G</u> —VETERAN STATUS	Male	Vietnam Era	1
				Korean War	2
				World War II	3
				World War I	4
				Other Service	5
				Nonveteran	6
18	1-2	<u>Item 18H</u> —HIGHEST GRADE (OF SCHOOL) ATTENDED	All	None	01
				E1	02
				E2	03
				E3	04
				E4	05
				E5	06
				E6	07
				E7	08
				E8	09
				H1	10
				H2	11
				H3	12
				H4	13
				C1	14
				C2	15
				C3	16
				C4	17
				C5	18
				C6+	19
	3	<u>Item 18</u> —GRADE COMPLETED	All	Yes	1
				No	2
	4	PADDING			

-more-

Word	Char.	Characteristic	Universe	Description
18	5	Blank		
	6	Item 26—INTERVIEWER CHECK ITEM: This person is	All	16-24 Years of age 1 All others 2
19	1	ESR—Employment Status Recode (Last work)	All	Employed Working 1 With job, not at work 2
			Unemployed	Looking 3
			Not in	House 4
			Labor	School 5
			Force	Unable 6
				Other (Include Retired) 7
	2	Item 26B—Is ... enrolled in school as a full-time or part-time student?	Item 26A1 = 1	Full-time 1 Part-time 2
	3	Indicator for principal person of household	All 1/	No 0 Yes 1
	4-6	Document count (within work unit)	All	001-999
20	1-3	Work unit number (from Breaker Sheet)	All	001-999 If Breaker was missing 9XX Assigned
	4-5	Month	All	01-12
	6	Year—Last digit	All	0-9

1/ This position is filled for all records on this file. Adults are filled as listed above. Children (0-13 years old) are plugged "2". Noninterviews are plugged "1" as a household indicator.

-more-

Word	Char.	Characteristic	Universe	Description	
21 & 22	All	Final Weight	All	Two understood decimal places. (Right justified, space filled)	
23	1-6	PADDING			
24	1-3				
	4-6	JRCERR	All	No. of errors charged to enumerator	000-999
25	1-3	CMSA/MSA Rank Code	All	Not identifiable Nonmetropolitan Identified <sup>1/</sup>	000 000 001-252
	4-5	PMSA Rank Code	All	Not identifiable Not in a PMSA Identified <sup>1/</sup>	00 00 01-12
	6	Individual Central City Code	All	Not identifiable Identified <sup>1/</sup>	0 1-4
26	1	Metropolitan Status Code	All	Metropolitan Nonmetropolitan Not identifiable	1 2 3
	2	Central City Status Code	All	Central City Balance of MSA/PMSA Nonmetropolitan Not identifiable	1 2 3 4

<sup>1/</sup> See Appendix #1.

Word	Char.	Characteristic	Universe	Description
26	3	PADDING		
	4	MSA/CMSA Size (From M.S.T.— reflecting 1983 popula- tion estimates)	All	Not identifiable, Nonmet. 0 100,000-249,999 2 250,000-499,999 3 500,000-999,999 4 1,000,000-2,499,999 5 2,500,000-4,999,999 6 5,000,000-4,999,999 7 10,000,000+ 8
	5	<u>Item 101</u> —ETHNICITY	All	Mexican American 1 Chicano 2 Mexican 3 Puerto Rican 4 Cuban 5 Central or South American 6 Other Spanish 7 All other 8 Don't know 9 NA A
	6	PADDING		

6-19

Word	Char.	Characteristic	Universe	Description	
27	1-2	Weighting Age Recode	All	14-15 Years old	01
				16-17	02
				18-19	03
				20-21	04
				22-24	05
				25-29	06
				30-34	07
				35-39	08
				40-44	09
				45-49	10
				50-54	11
				55-59	12
				60-61	13
				62-64	14
				65-69	15
				70-74	16
				75+	17
	3	Blank			
	4	RACE Recode	All	White	1
				Other	2
	5-6	Blank			
28	1	Part time status	All	Part-time for econ. reason	5
				Vol. part-time workers	6
				All other	0

-more-

Word	Char.	Characteristic	Universe	Description	
	2	Race-Sex Recode	All	Male white	1
				Female white	2
				Male other	3
				Female other	4
	3	Agri. Wage and Salary	All	Not in universe	0
				In universe	1
	4	Labor Force status	All	Civilian labor force	3
				Not in labor force	4
	5	Full-time or Part-time status	All	Not in labor force	0
				Employed full-time	1
				Part-time for economic reasons	2
				Unemployed full-time	3
				Employed part-time	4
				Unemployed part-time	5
	6	Experienced Labor Force	All	Not in experienced labor force	0
				Employed	1
				Unemployed	2
29	1	Household relationship	All	Male head, living with relatives	1
				Male head, living without relatives	2
				Male relative of head	3
				Male nonrelative of head	4
				Female head, living with relatives	5
				Female head, living without relatives	6
				Wife of head	7
				Female relative of head	8
				Female nonrelative of head	9

-more-

Word	Char.	Characteristic	Universe	Description	
29	2	Employed Class of Worker	All	Not employed	0
				Private	1
				Government	2
				Self-employed	3
				Unpaid family	4
	3	Dummy Code			
	4	Labor Force by time worked or lost	All	Not in Labor Force	0
				At work	1
				With job, not at work	2
				Unemployed, seeking full-time	3
				Unemployed, seeking part-time	4
	5	Duration of unemployment	All	Not unemployed	0
				Less than 5 weeks	1
				5 and 6 weeks	2
				7 to 10 weeks	3
				11 to 14 weeks	4
				15 to 26 weeks	5
				27 to 39 weeks	6
				40 to 51 weeks	7
				52 weeks and over	8
	6	Civilian Labor Force	All	Not in universe	0
				In universe	1
30	1	Unemployed	All	Not in universe	0
				In universe	1
	2	Unemployed 15 weeks or more	All	Not in universe	0
				In universe	1

-more-



Word	Char.	Characteristic	Universe	Description	
30	3	Other NILF	All	Not in universe In universe	0 1
	4	Full-time labor force	All	Not in universe In universe	0 1
	5	Looking for full-time work	All	Not in universe In universe	0 1
	6	Wage and salary worker	All	Not in universe In universe	0 1
31	1	Employed persons	All	Not in universe In universe	0 1
	2	Employed persons (excluding farm workers & private h'hld. workers)	All	Not in universe In universe	0 1
	3	Experienced labor force	All	Not in universe In universe	0 1
	4	Full-time experienced labor force	All	Not in universe In universe	0 1
	5	Full-time employed and economic part-time	All	Not in universe In universe	0 1
	6	Non-agriculture industries	All	Not in universe In universe	0 1
32	1	Non-agriculture wage and salary worker	All	Not in universe In universe	0 1

-more-

Word	Char.	Characteristic	Universe	Description	
32	2	Agriculture	All	Not in universe	0
				In universe	1
	3-4	Dummy Code			
	5	Manufacturing wage and salary	All	Not in universe	0
				In universe	1
	6	Private wage and salary	all	Not in universe	0
				In universe	1
33	1	Part-time for noneconomic reasons	All	Not in universe	0
				In universe	1
	2	Persons seeking full-time work (W & S)	All	Not in universe	0
				In universe	1
	3	Unemployed with no previous work experience	All	Not in universe	0
				In universe	1
	4	Full-time Labor Force Recode	All	Not in universe	0
				Employed full-time	3
				Looking for full-time work	4
	5-6	Program Signal	All		01

-more-

Word	Char.	Characteristic	Universe	Description
34	1-2	Age 1	All	14-15 00
				16-17 01
				18-19 02
				20-24 03
				25-34 04
				35-44 05
				45-54 06
				55-59 07
				60-64 08
				65+ 09
	3-4	Age 1A (16-21 years)	All	Not 16-21 00
				16-21 years school 10
				16-21 years other 11
	5-6	Age 2	All	Less than 25 years 00
				25-29 01
				30-34 02
				35-39 03
				40-44 04
				45-49 05
				50-54 06
				55-59 07
				60-61 08
				62-64 09
				65-69 10
				70+ 11

-more-

Word	Char.	Characteristic	Universe	Description																																																		
35	1-2	Major activity ages 16-24	All	<table><tr><th colspan="4">Major Activity</th></tr><tr><th rowspan="2">Age</th><th rowspan="2">School</th><th colspan="2">Other</th></tr><tr><th>MALE or FEM. MSP</th><th>FEM Not MSP</th></tr><tr><td>16</td><td>01</td><td>10</td><td>19</td></tr><tr><td>17</td><td>02</td><td>11</td><td>20</td></tr><tr><td>18</td><td>03</td><td>12</td><td>21</td></tr><tr><td>19</td><td>04</td><td>13</td><td>22</td></tr><tr><td>20</td><td>05</td><td>14</td><td>23</td></tr><tr><td>21</td><td>06</td><td>15</td><td>24</td></tr><tr><td>22</td><td>07</td><td>16</td><td>25</td></tr><tr><td>23</td><td>08</td><td>17</td><td>26</td></tr><tr><td>24</td><td>09</td><td>18</td><td>27</td></tr><tr><td colspan="3">All others</td><td>00</td></tr></table>	Major Activity				Age	School	Other		MALE or FEM. MSP	FEM Not MSP	16	01	10	19	17	02	11	20	18	03	12	21	19	04	13	22	20	05	14	23	21	06	15	24	22	07	16	25	23	08	17	26	24	09	18	27	All others			00
Major Activity																																																						
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16	01	10	19																																																			
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22	07	16	25																																																			
23	08	17	26																																																			
24	09	18	27																																																			
All others			00																																																			
	3-4	Age 4	All	<table><tr><td>Less than 55 years</td><td>00</td></tr><tr><td>55 years</td><td>01</td></tr><tr><td>56 years</td><td>02</td></tr><tr><td>57 years</td><td>03</td></tr><tr><td>58 years</td><td>04</td></tr><tr><td>59 years</td><td>05</td></tr><tr><td>60 years</td><td>06</td></tr><tr><td>61 years</td><td>07</td></tr><tr><td>62 years</td><td>08</td></tr><tr><td>63 years</td><td>09</td></tr><tr><td>64 years</td><td>10</td></tr><tr><td>65 years</td><td>11</td></tr><tr><td>66 years</td><td>12</td></tr><tr><td>67 years</td><td>13</td></tr><tr><td>68 years</td><td>14</td></tr><tr><td>69 years</td><td>15</td></tr><tr><td>70 years</td><td>16</td></tr><tr><td>71 years</td><td>17</td></tr><tr><td>72 years</td><td>18</td></tr><tr><td>73 years</td><td>19</td></tr><tr><td>74 years</td><td>20</td></tr><tr><td>75+ years</td><td>21</td></tr></table>	Less than 55 years	00	55 years	01	56 years	02	57 years	03	58 years	04	59 years	05	60 years	06	61 years	07	62 years	08	63 years	09	64 years	10	65 years	11	66 years	12	67 years	13	68 years	14	69 years	15	70 years	16	71 years	17	72 years	18	73 years	19	74 years	20	75+ years	21						
Less than 55 years	00																																																					
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70 years	16																																																					
71 years	17																																																					
72 years	18																																																					
73 years	19																																																					
74 years	20																																																					
75+ years	21																																																					

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Word	Char.	Characteristic	Universe	Description																																																							
35	5-6	Employed status (civilian noninstitutional population)	All	Employed in Agriculture 01 Employed in Nonagriculture 02 Unemployed 03 NILF House 04 School 05 Unable 06 Other Unpaid family worker (1-14 hours) Agric. 07 Unpaid family worker (1-14 hrs.) Nonagric. 08 Farm residents 09 Nonfarm residents 10																																																							
36	1-2	Marital status by age 1	All	<table><tr><th>Age</th><th>Single</th><th>MSP</th><th>MSA</th><th>WID/DIV</th></tr><tr><td>16-17</td><td>01</td><td>12</td><td>23</td><td>34</td></tr><tr><td>18-19</td><td>02</td><td>13</td><td>24</td><td>35</td></tr><tr><td>20-24</td><td>03</td><td>14</td><td>25</td><td>36</td></tr><tr><td>25-34</td><td>04</td><td>15</td><td>26</td><td>37</td></tr><tr><td>35-44</td><td>05</td><td>16</td><td>27</td><td>38</td></tr><tr><td>45-54</td><td>06</td><td>17</td><td>28</td><td>39</td></tr><tr><td>55-59</td><td>07</td><td>18</td><td>29</td><td>40</td></tr><tr><td>60-64</td><td>08</td><td>19</td><td>30</td><td>41</td></tr><tr><td>65+</td><td>09</td><td>20</td><td>31</td><td>42</td></tr><tr><td colspan="5">Less than 16 years old—00</td></tr></table>	Age	Single	MSP	MSA	WID/DIV	16-17	01	12	23	34	18-19	02	13	24	35	20-24	03	14	25	36	25-34	04	15	26	37	35-44	05	16	27	38	45-54	06	17	28	39	55-59	07	18	29	40	60-64	08	19	30	41	65+	09	20	31	42	Less than 16 years old—00				
Age	Single	MSP	MSA	WID/DIV																																																							
16-17	01	12	23	34																																																							
18-19	02	13	24	35																																																							
20-24	03	14	25	36																																																							
25-34	04	15	26	37																																																							
35-44	05	16	27	38																																																							
45-54	06	17	28	39																																																							
55-59	07	18	29	40																																																							
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65+	09	20	31	42																																																							
Less than 16 years old—00																																																											
	3-4	Marital status by activity Age 1A	All	<table><tr><th>Age</th><th>Activity</th><th>Single</th><th>MSP</th><th>MSA</th><th>WID/DIV</th></tr><tr><td>16-21</td><td>School</td><td>10</td><td>21</td><td>32</td><td>43</td></tr><tr><td>16-21</td><td>Other</td><td>11</td><td>22</td><td>33</td><td>44</td></tr><tr><td colspan="6">Not 16-21 years old—00</td></tr></table>	Age	Activity	Single	MSP	MSA	WID/DIV	16-21	School	10	21	32	43	16-21	Other	11	22	33	44	Not 16-21 years old—00																																				
Age	Activity	Single	MSP	MSA	WID/DIV																																																						
16-21	School	10	21	32	43																																																						
16-21	Other	11	22	33	44																																																						
Not 16-21 years old—00																																																											

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Word	Char.	Characteristic	Universe	Description	
36	5-6	Major Industry (II)	Civ. Labor Force	Never worked	00
				Agriculture	01
				Mining	02
				Construction	03
				Manufacturing	
				Durable goods	04
				Nondurable goods	05
				Transportation and public utilities	
				1/ Postal	06
				Other transportation	07
				Other utilities	08
				Wholesale and retail trade	
				Wholesale trade	09
				Retail trade	10
				Finance, insurance and real estate	11
				Private household service	12
				Miscellaneous service	
				Business and repair	13
				Personal, except private household	14
				Entertainment and recreation	15
				Medical, except hospitals	16
				Hospitals	17
				Welfare and religious	18
				Education	19
				Other professional services	20
				Forestry and fisheries	21
				1/ 2/ Public administration	22
		1/ Starting with January 1983, "Postal" workers were moved from "Public Administration" and placed under "Transportation". "Railroads and railway express" were included with "Other transportation".			
		2/ Starting in January 1983 "Public Administration" includes the category "Armed Forces" which is restricted to <u>unemployed</u> persons who reported one of the military services as being their last job.			
37	1-2	Dummy Code			

-more-

Word	Char.	Characteristic	Universe	Description		
37	3-4	Class of worker Employed-Unemployed	Civ. Labor Force	C/W Private Government (Federal, Local and State) Self-employed Unpaid family Never worked	EMP. 01 02 03 04	UNEMP. 05 06 07 08 00
	5-6	Major Industry (I)	Civ. Labor Force	Agriculture, Private Household workers & Never worked Mining Construction Manufacturing Durable goods Nondurable goods Transportation & public utilities 1/ Postal Other transportation Other utilities Wholesale and retail trade Wholesale trade Retail trade Finance, insurance & real estate Miscellaneous services Business and repair Personal, except private h'hld. Entertainment and recreation Medical, except hospitals Hospitals Welfare and religious Education Other professional services Forestry and fisheries 1/ 2/ Public administration		00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20

1/ and 2/ See page 28. ?

-more

Word	Char.	Characteristic	Universe	Description	
38	1-2	Detailed Industry	Civ. Labor Force	Never worked	00
				Goods producing industries	
				Agricultural production	01
				Agricultural services	02
				Mining	03
				Construction	04
				Manufacturing	
				Durable goods	
				Lumber	06
				Furniture	07
				Stone, clay, glass	08
				Primary metals	09
				3/ Fabricated metals (incl. not spec. metal)	10
				Machinery, exc. elect.	11
				Electrical equipment	12
				Transportation equipment	
				Automobiles	13
				Aircraft	14
				Other transportation equip.	15
				Instruments	16
				Miscellaneous	17
				Nondurable goods	
				Food	18
				Tobacco	19
				Textiles	20
				Apparel	21
				Paper	22
				Printing	23
				Chemicals	24
				Petroleum	25
				Rubber and plastics	26
				Leather and not specified manufacturing	27

3/ Starting in January 1983, "Ordinance" was combined with "Fabricated metals".

-more-



Word	Char.	Characteristic	Universe	Description	
38	1-2	Detailed Industry (continued)	Civ. Labor Force	Service-producing industries	
				Transportation and public utilities	
				1/ Postal	28
				Other transportation	29
				Communications	30
				Other public utilities	31
				Trade	
				Wholesale	32
				Retail	
				Eating and drinking places	33
				Other retail	34
				Finance, insurance and real estate	
				Banking and other finance	35
				Insurance and real estate	36
				Private household service	37
				Miscellaneous services	
				Business and repair	
				Business	38
				Repair	39
				Personal services, except private household	40
				Entertainment and recreation	41
				Professional services	
				Medical, except hospitals	42
				Hospitals	43
				Welfare and religious	44
				Educational	45
				Other professional	46
				Forestry and fisheries	47
				1/ 2/ Public administration	
				Armed Forces	48
				Other federal	49
				State	50
				Local	51

1/ 2/ See page 28.

-more-

Word	Char.	Characteristic	Universe	Description	
38	3-6	Dummy Code			
39	1-2	Manufacturing	Civ. Labor Force	Never worked or not Mfg. Ind. Durable goods	00
				Lumber	02
				Furniture	03
				Stone, clay, glass	04
				Primary metals	05
				<u>3/</u> Fabricated metals (incl. not spec. metal)	06
				Machinery, exc. elect.	07
				Electrical equipment	08
				Transportation equipment	
				Automobiles	09
				Aircraft	10
				Other trans. equip.	11
				Instruments	12
				Miscellaneous	13
				Nondurable goods	
				Food	14
				Tobacco	15
				Textiles	16
				Apparel	17
				Paper	18
				Printing	19
				Chemicals	20
				Petroleum	21
				Rubber and plastics	22
				Leather and not specified manufacturing	23

3/ See page 30.

-more-

Word	Char.	Characteristic	Universe	Description	
39	3-4	Reason not at work or hours at work	All	Unemployed and NILF <u>With a job but not at work</u>	00
				Illness	01
				Vacation	02
				Bad weather	03
				Labor dispute	04
				All other	05
				<u>At work</u>	
				1-4 hours	06
				5-14 hours	07
				15-21 hours	08
				22-29 hours	09
				30-34 hours	10
				35-39 hours	11
				40 hours	12
				41-47 hours	13
				48 hours	14
				49-59 hours	15
				60 hours or more	16
39	5-6	At work 1-34 hours by hours at work	ESR = 1 and 20A is less than 35	Usually full-time, part-time for noneconomic reasons	00
				Usually work full-time, part-time for economic reasons	
				1-4 hours	01
				5-14 hours	02
				15-29 hours	03
				30-34 hours	04
				Usually work part time, econ. reasons	
				1-4 hours	05
				5-14 hours	06
				15-29 hours	07
				30-34 hours	08
				Usually work part time, nonecon. reasons	
				1-4 hours	09
				5-14 hours	10
				15-29 hours	11
				30-34 hours	12

-more-

Word	Char.	Characteristic	Universe	Description	
40	1-2	Detailed reason by hours 1-34	ESR = 1 (At work) and 20A is less than 35	Not in universe Usually work full time Slack work Material shortages; plant or machine repair New job started Job terminated Holiday Labor dispute Bad weather Own illness On vacation All other Usually work part-time Slack work Could find only part-time work Own illness Too busy or did not want full-time work Full-time work is under 35 hrs. All other	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16
3-4		Reason not at work and pay status	ESR = 2 (with job; not at work)	Not in universe Usually work full-time Paid Vacation Illness All other Not paid Vacation Illness All other	00 01 02 03 04 05 06

Word	Char.	Characteristic	Universe	Description
40	3-4	Reason not at work and pay status (Con't.)	ESR = 2 (with job not at work)	Usually work part-time Paid Vacation 07 Illness 08 All other 09 Not paid Vacation 10 Illness 11 All other 12
	5-6	Program Signal	All	50
41 and 42	1-6	Veteran's Weight	All	Two implied decimal places, right justified, space filled. Controlled to independent estimates of veterans and composited labor force estimates for nonveterans. Use only for tabulating employment status by veteran's status.
43 and 44	All	Earnings Weight for All Races	MIS=4 or 8	Two implied decimal places, right justified, space filled
45 and 46	All	Earnings Weight for Spanish	MIS=4 or 8 Ethnicity= Spanish -more-	Two implied decimal places, right justified, space filled

Word	Char.	Characteristic	Universe	Description	
47	1-6	PADDING			
48	1-6				
49	1	Eligibility Flag <u>1/</u>	All	Not eligible Eligible	- 1
	2-3	<u>Item 25A</u> (Edited)—Usual hours worked per week? <u>4/</u>	Eligible	Hours worked	00-99
	4	<u>Item 25B</u> (Edited)—Paid by hour? <u>4/</u>	Eligible	Yes No	1 2
49 and 50	5-6 1-2	<u>Item 25C</u> (Edited)—Earnings per hour? (Can be topcoded) <u>4/</u> (See Appendix #2)	I25B (Edited) = 1	Earnings per hour (2 implied decimal places)	0000-9999
	3-5	<u>Item 25D</u> (Edited, computed) <u>2/4/</u> Earnings per week	Eligible	Earnings per week	000-999
	6	<u>Item 25E</u> (Edited)—member of union? <u>4/</u>	49:1 = 1	Yes No	1 2
51	1	<u>Item 25A</u> —Allocation Flag	49:1 = 1	I25A not allocated I25A allocated	- 1

1/ One of the following conditions must be met for a person to be in the universe:  
 (1) If outgoing rotation (wd. 1, ch. 2 = 4 or 8) and ESR 1 or 2 (wd. 19, ch. 1 = 1 or 2) and edited item 23E is Private (wd. 15, ch. 3 = 1) and unedited item 23E is blank, private or government.

(2) If outgoing rotation and ESR 1 or 2 and edited item 23E is Government (wd. 15, ch. 3 = 2)

2/ For hourly workers, computed 25A X 25 C value appears here. For weekly workers, edited 25D value appears. This field is used for tabulation purposes for weekly workers.

4/ Includes June earnings data. Use the May supplement weight in word 134 when tallying earnings data in conjunction with the supplement data.

-more-

Word	Char.	Characteristic	Universe	Description	
51	2	<u>Item 25B</u> —Allocation Flag	49:1 = 1	I25B not allocated	-
				I25B allocated	1
	3	<u>Item 25C</u> —Allocation Flag	I25B (Edited) = 1	I25C not allocated	-
				I25C allocated	1
	4	<u>Item 25D</u> —Allocation Flag	49:1 = 1	I25D not allocated	-
				I25D allocated	1
	5	Item 25 (edited) Interviewer Check Item	ESR 1 or 2 & 23E = P, F, S or L	(Not in universe) Month-in-sample 1, 2, 3, 5, 6 or 7	- 1
				Month in sample 4 or 8	2
	6	<u>Item 23F</u> (Edited) Interviewer Check Item	I23E=Entry	(Not in universe) Entry (or NA) in I20A & P, F, S or L in I23E	- 1
				Entry (or NA) in I21B & P, F, S or L in I23E	2
52	1-3	<u>Item 25D</u> (Edited)—Usual weekly earnings	1/	Weekly earnings	000-999
	4	<u>Item 25F</u> —Covered by union contract? <sup>4/</sup>	WD49:1 = 1 and 50:6 = 2	Yes	1
				No	2
	5	<u>Item 25E</u> —Allocation Flag	49:1 = 1	I25E not allocated	-
				I25E allocated	1
	6	<u>Item 25F</u> —Allocation Flag	I25E = No	I25F not allocated	-
				I25F allocated	1

1/ Reported 25D value appears here for an hourly worker. If 25D was not reported for an hourly worker, the 25A X 25C computed value appears here. This field is blank for weekly workers. This field is used for tabulation purposes for hourly workers.

4/ Includes June earnings data. Use the May suppl. weight in word 134 when tallying earnings data in conjunction with the supplement data.

Word	Char.	Characteristic	Universe	Description	
<u>Basic CPS Allocation Flags</u>					
53	1	<u>Item 5A</u>	All	Not allocated	0
				Allocated	1
	2	<u>Item 4</u>			
	3	<u>Item 5B</u>			
	4	<u>Item 9</u>			
	5	All Labor Force Items			
	6	ESR			
54	1	<u>Item 18B</u>			
	2	<u>Item 18G</u> —Sex			
	3	<u>Item 18J</u>			
	4	<u>Item 18E</u>			
	5	<u>Item 18D</u>			
	6	<u>Item 18I</u>			
55	1	<u>Item 18H</u>			
	2	<u>Item 18G</u> —Veteran Status			
	3	<u>Item 19</u>			

-more-



Word	Char.	Characteristic	Universe	Description
55	4	<u>Item 23B</u>	All	Not allocated
				Allocated
				0 1
	5	<u>Item 23C</u>		
	6	<u>Item 23E</u>		
56	1	<u>Item 20A</u>		
	2	<u>Item 20C</u>		
	3	<u>Item 21A</u>		
	4	<u>Item 21B</u>		
	5	<u>Item 21C</u>		
	6	<u>Item 22C</u>		
57	1	<u>Item 22D</u>		
	2	<u>Item 20C</u>		
	3	<u>Item 21A</u>		
	4	<u>Item 21B</u>		
	5	<u>Item 21C</u>		
	6	<u>Item 22C</u>		
58	1	<u>Item 22A</u>		
	2	<u>Item 22E</u>		

-more-

Word	Char.	Characteristic	Universe	Description	
58	3	<u>Item 18A</u>	All	Not allocated	0
				Allocated	1
	4	<u>Item 22B</u>			
	5	<u>Item 24E</u>			
	6	Geographic Identification			
		<u>Unedited Basic CPS Transcription Items 1/</u>			
59	1	<u>Item 27</u> —Tenure (Unedited)	All	Owned or being bought	6
				Rented	7
				No cash rent	8
				No entry	Blank
	2	<u>Item 28</u> —Total Family Income (Unedited)	All	Under \$5,000	0
				\$ 5,000— 7,499	1
				7,500— 9,999	2
				10,000—12,499	3
				12,500—14,999	4
				15,000—17,499	5
				17,500—19,999	6
				20,000—24,999	7
				25,000—29,999	8
				30,000—34,999	9
				35,000—39,999	A
				40,000—49,999	B
				50,000—74,999	C
				75,000 and over	D
				No entry	Blank

1/ Note: Items 27-29C are included on each person's record.

-more-

Word	Char.	Characteristic	Universe	Description	
59	3	<u>Item 29A</u> —Telephone in household (transcribe from control card item 30a) (Unedited 1/)	All	Blank	—
				Yes	1
				No	2
	4	<u>Item 29B</u> —Telephone available (transcribe from control card item 30b) (Unedited 1/)	I29A = No	Blank	—
				Yes	1
				No	2
	5	<u>Item 29C</u> —Telephone interview acceptable (Transcribe from control card item 30d) (Unedited 1/)	I29A = Yes or I29b = Yes	Blank	—
				Yes	1
				No	2
59	6	PADDING			
	thru				
60	6				
61	1	<u>Item 23E</u> —Class of Worker (Edited)	Same as I23E (15:3)	Private	1
				Federal Government	2
				State Government	3
				Local Government	4
				Self-employed—Inc.	5
				Self-employed—Uninc.	6
				Without pay	7
				Never worked	8

1/ March, July and November only. Padding all other months.

Word	Char.	Characteristic	Universe	Description	
61	2	<u>Item 23E</u> —Class of worker (Edited and Recoded)	Same as above	Private (incl. S-E, Inc.)	1
				Federal Government	2
				State Government	3
				Local Government	4
				Self-employed—Uninc.	5
				Without pay	6
				Never worked	7
	3	Nonagriculture Private Wage and Salary	All	Not in universe	0
				In universe	1
	4-5	Class of Worker II (Detailed)	Same as I23E (Exc. never worked)	Agriculture	
				Wage & Salary	
				Private	01
				Government	02
				Self-employed	03
				Unpaid family	04
				Non-Agriculture	
				Wage and Salary	
				Private Industry	
				Private household	05
				Other private	06
				Government	
				Federal	07
				State	08
				Local	09
				Self-employed	10
				Unpaid family	11

Word	Char.	Characteristic	Universe	Description	
61	6	Major Occupation	Same as I23E	Managerial & Professional	
				Executive, admin. & managerial	01
62	1			Professional specialty	02
				Technical, sales & admin. support	
				Technicians & related support	03
				Sales	04
				Admin. support, incl. clerical	05
				Service	
				Private household	06
				Protective service	07
				Other service	08
				Precision production, craft and repair	09
				Operators, fabricators & laborers	
				Machine operators, assemblers	
				and inspectors	10
				Transportation & material moving	11
				Handlers, equip. cleaners, etc.	12
				Farming, forestry and fishing	13
				Armed Forces	14
				No previous experience—never worked	15

Word	Char.	Characteristic	Universe	Description	
62	2-3	Major Industry	Same as I23E (Exc. never worked)	Agriculture	01
				Mining	02
				Construction	03
				Manufacturing	
				Durable goods	04
				Nondurable goods	05
				Transportation, communications and other public utilities	
				Transportation	06
				Communications & public Util.	07
				Utilities & sanitary services	08
				Wholesale & retail trade	
				Wholesale trade	09
				Retail trade	10
				Finance, insurance & real estate Services	11
				Private households	12
				Miscellaneous services	
				Business and repair	13
				Personal serv. exc. private hh	14
				Entertainment & recreations	15
				Professional & related	
				Hospitals	16
				Medical, exc. hospitals	17
				Educational	18
				Social services	19
				Other professional	20
				Forestry & fisheries	21
				Public Administration	22
				Armed Forces	23

Word	Char.	Characteristic	Universe	Description	
62	4-5	Detailed Occupation	Same as I23E	Never worked	00
				Managerial & professional specialty	
				Executive, admin. & managerial	
				Officials & admin., public admin.	01
				Other exec., admin. & managerial	02
				Management related	03
				Professional specialty	
				Engineers	04
				Mathematical & computer scientists	05
				Natural scientists	06
				Health diagnosing	07
				Health assessment & treatment	08
				Teachers, college & university	09
				Teachers, exc. college & univ.	10
				Lawyers and Judges	11
				Other professional specialty	12
				Technical, sales & admin. support	
				Technicians & related	
				Health technologists & tech.	13
				Engin. & science technicians	14
				Other technicians	15
				Sales	
				Supervisors & proprietors	16
				Sales reps., finance & business	17
				Sales reps., commodities, except retail	18
				Sales workers, retail & personal	19
				Sales related	20
				Administrative support, inc. clerical	
				Supervisors	21
				Computer equip. operators	22
				Secretaries, stenog., typists	23
				Financial records processing	24
				Mail & message distributor	25
				Other admin., incl. clerical	26

Word	Char.	Characteristic	Universe	Description	
62	4-5	Detailed Occupation (continued)	Same as I23E	Service	
				Private household	27
				Protective service	28
				Other service	
				Food	29
				Health	30
				Cleaning & building	31
				Personal	32
				Precision production, craft & repair	
				Mechanics & repairers	33
				Construction trades	34
				Other precision prod., craft and repair	35
				Operators, fabricators & laborers	
				Machine oper., assemb. & inspec.	
				Machine oper. & tenders, except precision	36
				Fabricators, assemblers, inspectors & samplers	37
				Transportation & material moving	
				Motor vehicle operators	38
				Other trans. & material moving	39
				Handlers, equip. cleaners, helpers, laborers	
				Construction laborers	40
				Freight, stock & material handlers	41
				Other handlers, equip. cleaners, helpers & laborers	42
				Farming, forestry & fishing	43
				Farm operators & managers	44
				Farm workers & related	45
				Armed Forces	46



Word	Char.	Characteristic	Universe	Description	
62	6	Detailed Industry	Same as I23E	Never worked	00
63	1			Goods-producing industries	
				Agriculture	
				Agricultural services	01
				Other agricultural	02
				Mining	03
				Construction	04
				Manufacturing	
				Durable Goods	
				Lumber & wood products	
				except furniture	05
				Furniture & fixtures	06
				Stone, clay, glass &	
				concrete products	07
				Metal industries	
				Primary metals	08
				Fabricated metals	09
				Not specified metals	10
				Machinery, exc. electrical	11
				Electrical machinery,	
				equipment and supplies	12
				Transportation equipment	
				Motor vehicles & equipment	13
				Other trans. equip.	14
				Professional & photo equip.	16
				Toys, amusement & sport. goods	17
				Misc. & nec. mfg. industries	18
				Nondurable Goods	
				Food & kindred products	19
				Tobacco manufacturers	20
				Textile mill products	21
				Apparel & other finished	
				textile products	22
				Paper & allied products	23

Word	Char.	Characteristic	Universe	Description	
62	6	Detailed Industry (continued)	Same as I23E	Printing, publishing & allied industries	24
63	1			Chemicals & allied products	25
				Petroleum & coal products	26
				Rubber & misc. plastics	27
				Leather & leather products	28
				Service-producing industries	
				Transportation, communication & other public utilities	29
				Communications & other public utilities	
				Communications	30
				Utilities & sanitary service	32
				Wholesale & retail trade	
				Wholesale trade	32
				Retail trade	33
				Finance, insurance & real estate	
				Banking & other finance	34
				Insurance & real estate	35
				Services	
				Private household	36
				Miscellaneous services	
				Business & repair services	
				Business services	37
				Repair services	38
				Personal services, except private household	39
				Entertainment & recreation	40
				Professional & related serv.	
				Hospitals	41
				Health services, except hospitals	42
				Educational services	43
				Social services	44
				Other professional serv.	45
				Forestry & fisheries	46

-more-

Word	Char.	Characteristic	Universe	Description	
62	6	Detailed Industry (continued)	Same as I23E	Public administration	
				Justice, public order & safety	47
63	1			Admin. of human resource programs	48
				National security & internal affairs	49
				Other public administered	50
				Armed Forces	51
	2-4	<u>Item 23B</u> —Industry (1980 edited)	Same as I23E (Exc. never worked)	3-digit Industry Code	010-991
	5-6	<u>Item 23C</u> —Occupation (1980 edited)	Same as I23E (Exc. never worked)	3-digit Occupation Code	003-905
64	1				
	2-6	PADDING			

The data appearing in words 65 through 80 are the result of the new demographic edit. These demographic characteristics are usually consistent with those produced by the basic CPS edit (found in word 16 character 4 through word 18 character 3), but are not necessarily identical. The choice of which data set to use depends on the user's needs. Those desiring comparability with most of BLS's published data or attempting to duplicate the Phase II population controls should use the basic CPS edit characteristics since these characteristics are used in the basic CPS weighting. The new family edit does change sex for some individuals; hence, some population cells may not equal the controls tallied using the new data. Individuals interested in family data or replicating BLS's family data should use the characteristics produced by the new demographic edit.

New Demographic Edit Output

65	1-2	<u>Item 18A</u> —Line Number	All	Line Number	01-39
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Word	Char.	Characteristic	Universe	Description	
65	3	<u>Item 18B</u> —Relationship to Reference Person	All	Reference person with other relatives in household	1
				Reference person with no other relatives in household	2
				Husband	3
				Wife	4
				Own child	5
				Parent	6
				Brother/sister	7
				Other rel. of reference person	8
				Non-relative of ref. person—	
				with own relatives in hh	9
				Non-relative of ref. person—	
				no own relatives in hh	A
	4-5	<u>Item 18C</u> —Parent's Line Number	All	None	00
				Parent's line number	01-39
	6	PADDING			
66	1-2	<u>Item 18D</u> —Age	All	Age in years	14-90 1/
	3	<u>Item 18E</u> —Marital Status	All	Married—civilian spouse present	1
				Married—Armed Forces spouse present	2
				Married—spouse absent (exclude separated)	3
				Widowed	4
				Divorced	5
				Separated	6
				Never married	7
	4-5	<u>Item 18F</u> —Spouse's Line Number	All	None	00
				Spouse's line number	01-39

1/ Age topcoded at 90 years

Word	Char.	Characteristic	Universe	Description	
66	6	<u>Item 18G</u> —Sex	All	Male	1
				Female	2
67	1	<u>Item 18G</u> —Veteran Status	All	Vietnam Era	1
				Korean War	2
				World War II	3
				World War I	4
				Other service	5
				Nonveteran	6
	2-3	<u>Item 18H</u> —Highest Grade (of school) Attended	All	None	00
				E1	01
				E2	02
				E3	03
				E4	04
				E5	05
				E6	06
				E7	07
				E8	08
				H1	09
				H2	10
				H3	11
				H4	12
				C1	13
				C2	14
				C3	15
				C4	16
				C5	17
				C6+	18
	4	<u>Item 18I</u> —Grade Completed	All	Yes	1
				No	2

-more-

Word	Char.	Characteristic	Universe	Description	
67	5	<u>Item 18J</u> —Race	All	White	1
				Black	2
				Other	3
	6	PADDING			
68	1-2				
	3-4	Family Number	All	Not a family member	00
				Primary family member only	01
				Subfamily member	02-39
	5	Family Type	All	Primary family	1
				Primary individual	2
				Related subfamily	3
				Unrelated subfamily	4
				Secondary individuals	5
	6	Family Relationship	All	Not a family member	0
				Reference person	1
				Spouse	2
				Child	3
				Other relative (primary family only)	4
69	1-4	PADDING			
	5	Line Number Allocation Flag	All	No change	0
				Blank to value	1
				Old value to new value	2
	6	Relationship to Reference Person Allocation Flag	All	No change	0
				Blank to value	1
				Old value to new value	2

-more-

Word	Char.	Characteristic	Universe	Description	
70	1	Parent's Line Number Allocation Flag	All	No change	0
				Value allocated	2
	2	Age Allocation Flag	All	No change	0
				Blank to value	1
				Old value to new value	2
	3	Marital Status Allocation Flag	All	No change	0
				Blank to value	1
				Old value to new value	2
	4	Spouse's Line Number Allocation Flag	All	No change	0
				Value allocated	2
	5	Sex Allocation Flag	All	No change	0
				Blank to value	1
				Old value to new value	2
	6	Veteran Status Allocation Flag	All	No change	0
				Blank to value	1
				Old value to new value	2
71	1	Highest Grade Attended Allocation Flag	All	No change	0
				Blank to value	1
				Old value to new value	2
	2	Grade Completed Allocation Flag	All	No change	0
				Blank to value	1
				Old value to new value	2
	3	Race Allocation Flag	All	No change	0
				Blank to value	1
				Old value to new value	2

-more-

Word	Char.	Characteristic	Universe	Description
71	4	PADDING		
71 thru 72	5 2	Total Weekly Family Earnings (for members 16+)	MIS = 4, 8	Not in primary family, NIU Usual weekly family earnings
				blank 0000-9999
72	3	PADDING		
	4	Age of Primary Family Householder	All	Not a family member < 25 years old 25-44 years old 45-54 years old 55-64 years old 65+ years old
				0 1 2 3 4 5
	5-6	Size of Primary Family	All	Not in primary family Number individuals with WD 104:5 = 1, 3
				00 01-39
73	1	Primary Family Earners Wage and Salary Status	All	Not in primary family No one employed Some employed—no wage and salary workers With wage and salary workers Husband, wife or reference person self-employed With wage and salary workers Husband, wife or reference person not self-employed With wage and salary workers only
				0 1 2 3 4 5

-more-



Word	Char.	Characteristic	Universe	Description	
73	2	Usual Full-Time/Part-Time Status of Primary Family Earners	MIS 4 or 8	Not in primary family	0
				No earners	1
				All earners full-time	2
				Some full-time, some part-time	3
				All earners part-time	4
				Not in universe	5
	3	Labor Force and Earner Status (Male) of Husband of Primary Family or Male Householder	All	Not in primary family/no male	0
				Employed earner	1
				Self-employed	2
				Without pay	3
				Unemployed	4
				Not in labor force	5
				Armed Forces	6
	4	Labor Force and Earner Status (Female) of Wife of Primary family or female householder	All	Not in primary family/no female	0
				Employed earner	1
				Self-employed	2
				Without pay	3
				Unemployed	4
				Not in labor force	5
				Armed Forces	6
	5	Number of Earners in Primary Family	All	Not in primary family	0
				No earners	0
				1-8 earners	1-8
				9+ earners	9
	6	Number of Unemployed in Primary Family	All	Not in primary family	0
				No unemployed	0
				1-8 unemployed	1-8
				9+ unemployed	9

-more-

Word	Char.	Characteristic	Universe	Description	
74	1	Household Type	All	Husband/wife primary family—(neither husband or wife in Armed Forces)	1
				Husband/wife primary family—(husband and/or wife in Armed Forces)	2
				Unmarried civilian male primary family householder	3
				Unmarried civilian female primary family householder	4
				Primary family household—reference person in Armed Forces & unmarried	5
				Civilian male primary individual	6
				Civilian female primary individual	7
				Primary individual household—reference person in Armed Forces	8
				Group quarters	9
	2	Number of Own Children Less Than 18 in Primary Family	All	Not in primary family	0
				No children	1
				1 child	2
				2 children	3
				3 children	4
				4 children	5
				5 children	6
				6 children	7
				7 children	8
				8+ children	9
	3	Presence of Own Children Less than 18 in Primary Family	All	Not in primary family	0
				No children < 18 years old	1
				All children 14-17 years old	2
				All children 6-13 years old	3
				All children 0-5 years old	4
				Children 14-17 & 6-13 (no children 0-5)	5
				Children 14-17 & 0-5 (no children 6-13)	6
				Children 6-13 & 0-5 (no children 14-17)	7
				Children from all age groups	8

-more-

Word	Char.	Characteristic	Universe	Description	
74	4	Primary Family Relationship	All	Not in primary family	0
				Husband	1
				Wife	2
				Own child	3
				Other relative	4
				Unmarried reference person	5
	5	Number of Earners in Primary Family 16+	All	Not in primary family	0
				No earners	0
				1-8 earners	1-8
				9+ earners	9
	6	Number of Unemployed in Primary Family 16+	All	Not in primary family	0
				No unemployed	0
				1-8 unemployed	1-8
				9+ unemployed	9
75	1-6	Family Weight	All	Two implied decimal places, right justified, space filled	
76	1-6				
77	1-2	Household Size	All	Number of persons in household	01-39
	3-4	Number of Families in Household	All	Number of families	00-19
	5-6	PADDING			
78	1-6	Family Earnings Weight	MIS =	Two implied decimal places, right justified, space filled	
79	1-6		4, 8		

-more-

Word	Char.	Characteristic	Universe	Description	
80	1	Primary Family Earners Wage and Salary Status (16+)	All	Not in primary family	0
				No one employed	1
				Some employed—No wage & salary workers	2
				With wage and salary workers—husband, wife or reference person self-employ.	3
				With wage and salary workers—husband, wife or refer. person not self-employ., other household member self-employ.	4
				With wage and salary workers only	5
	2	Usual Full-Time/Part-Time Status of Primary Family Earners (16+)	MIS = 4, 8	Not in primary family	0
				No earners	1
				All earners full-time	2
				Some full-time, some part-time	3
				All earners part-time	4
				Not in universe	5
	3-6	Total Weekly Family Earnings	MIS = 4, 8	Not in primary family, NIU	blank
				Usual weekly family earnings	0000-9999

\*\*\*\*\* END OF ATTACHMENT A \*\*\*\*\*



CURRENT POPULATION SURVEY  
 CHILDREN'S INTERVIEW RECORD LAYOUT  
 FOR STANDARD TAPE COPIES  
 (Beginning January 1986)

Attachment E

Page 1

Word	Char.	Characteristic	Universe	Description	
1	1	Record type	All	Children's Record	5
	2	Month in Sample (Recoded from Month and Rotation)	All		1-8
	3	Blank			
	4-6				
2	1-6	Household ID Number	All		
3	1-3				
	4	Region (From M.S.T.)	All	Northeast	1
				North Central	2
				South	3
				West	4

Note: Edited household items & recodes and Geographic Identifiers & recodes are transferred from the Principal Person's record to all children in the Household.

--more--

Word	Char.	Characteristic	Universe	Description	
3	5	Division (From M.S.T.)	All	New England	1
				Middle Atlantic	2
				East North Central	3
				West North Central	4
				South Atlantic	5
				East South Central	6
				West South Central	7
				Mountain	8
				Pacific	9
	5-6	State (1st digit of State Code is Division Code) (From M.S.T.)	All	<u>New England Division</u>	
				Maine	11
				New Hampshire	12
				Vermont	13
				Massachusetts	14
				Rhode Island	15
				Connecticut	16
				<u>Middle Atlantic Division</u>	
				New York	21
				New Jersey	22
				Pennsylvania	23
				<u>East North Central Division</u>	
				Ohio	31
				Indiana	32
				Illinois	33
				Michigan	34
				Wisconsin	35

-more-

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't.)	All	<u>West North Central Division</u> Minnesota 41 Iowa 42 Missouri 43 North Dakota 44 South Dakota 45 Nebraska 46 Kansas 47  <u>South Atlantic Division</u> Delaware 51 Maryland 52 District of Columbia 53 Virginia 54 West Virginia 55 North Carolina 56 South Carolina 57 Georgia 58 Florida 59  <u>East South Central Division</u> Kentucky 61 Tennessee 62 Alabama 63 Mississippi 64  <u>West South Central Division</u> Arkansas 71 Louisiana 72 Oklahoma 73 Texas 74

-more-



Word	Char.	Characteristic	Universe	Description	
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't.)	All	<u>Mountain Division</u>	
				Montana	81
				Idaho	82
				Wyoming	83
				Colorado	84
				New Mexico	85
				Arizona	86
				Utah	87
				Nevada	88
				<u>Pacific Division</u>	
				Washington	91
				Oregon	92
				California	93
				Alaska	94
				Hawaii	95
4	1-2	State Rankings (From M.S.T.)	All		<u>1980 Ranking</u>
				California (CA)	01
				New York (NY)	02
				Texas (TX)	03
				Pennsylvania (PA)	04
				Illinois (IL)	05
				Ohio (OH)	06
				Florida (FL)	07
				Michigan (MI)	08
				New Jersey (NJ)	09
				North Carolina (NC)	10
				Massachusetts (MA)	11
				Indiana (IN)	12
				Georgia (GA)	13
				Virginia (VA)	14
				Missouri (MO)	15
				Wisconsin (WI)	16
				Tennessee (TN)	17

--more--

Word	Char.	Characteristic	Universe	Description
4	1-2	State Rankings (From M.S.T.) (Con't.)	All	<div> <div>1980 Ranking</div> <div> Maryland (MD) 18  Louisiana (LA) 19  Washington (WA) 20  Minnesota (MN) 21  Alabama (AL) 22  Kentucky (KY) 23  South Carolina (SC) 24  Connecticut (CT) 25  Oklahoma (OK) 26  Iowa (IA) 27  Colorado (CO) 28  Arizona (AZ) 29  Oregon (OR) 30  Mississippi (MS) 31  Kansas (KS) 32  Arkansas (AR) 33  West Virginia (WV) 34  Nebraska (NE) 35  Utah (UT) 36  New Mexico (NM) 37  Maine (ME) 38  Hawaii (HI) 39  Rhode Island (RI) 40  Idaho (ID) 41  New Hampshire (NH) 42  Nevada (NV) 43  Montana (MT) 44  South Dakota (SD) 45  North Dakota (ND) 46  Dist. of Columbia (DC) 47  Delaware (DE) 48  Vermont (VT) 49  Wyoming (WY) 50  Alaska (AK) 51 </div> </div>

--more--

Word	Char.	Characteristic	Universe	Description	
4	3-4	PADDING			
	5	<u>Item 1</u> —INTERVIEWER CHECK ITEM	All	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household Second CPS-1 of cont. household Third, fourth, etc. CPS-1	- 1  2  3 4
	6	Blank			
5	1-3	Blank			
	4-6	<u>Item 10</u> —INTERVIEWER CODE	All	Blank or Impossible in any digit	-NA, or A00-M99 (Excluding Ixx)
6	1	<u>Item 12</u> —LINE NO. H'HLD. RESP.	All	Blank or Impossible  Non H'hld. Resp.	- 1-6 7
	2	<u>Item 13</u> —TYPE INTERVIEW	All	Noninterview	1
	3-4	<u>Item 11</u> —DATE COMPLETED (Through September 1986)	All	Day of Month	- or 10-29
	3	PADDING			

-more-

Word	Char.	Characteristic	Universe	Description	
6	4	Item 11-Day Completed (Beginning October 1986)	All	BLANK	—
				Sunday	1
				Monday	2
				Tuesday	3
				Wednesday	4
				Thursday	5
				Friday	6
				Saturday	7
				After Interview Week	8
	5-6	PADDING			
7	1-5	PADDING			
	6	Blank			
8	1	Land Usage (Recode)(Edited using Urban/Rural Code from M.S.T. and CPS-1 Document <u>Items 5a. and 5b.</u> -new in Feb. 76) <u>Recode reflects</u> <u>"old" Farm Definition.</u>	All	Nonfarm	1
				Farm	2,3

-more-

Word	Char.	Characteristic	Universe	Description	
8	2-3	<u>Item 4</u> —TYPE OF LIVING QUARTERS (Recode)	All	<u>Housing Unit</u>	
				House, apt., flat	01
				HU in nontransient hotel, etc.	02
				HU, permanent, in trans. hotel, motel, etc.	03
				HU in rooming house	04
				Mobile home or Trailer	05
				HU not specified above	06
				<u>Other Unit</u>	
				Qtrs. not HU in rooming or boarding house	07
				Unit not permanent in trans. hotel, motel, etc.	08
				Tent or trailer site	09
				Other not HU	10
	4	"New" Farm Definition (Recode) (Edited using Urban/Rural Code from M.S.T and CPS-1 Document <u>Items 5a.</u> and <u>5b.</u> )	All	Nonfarm	1
				Farm	2, 3
	5	Blank			
	6	<u>Item 9</u> —HOUSEHOLD NUMBER	All	Blank	1-8
9 through 16	1 2	PADDING			
	3	Household Indicator	All		1
	4-6	Document Count (Within Work Unit)	All		001-999

-more-

Word	Char.	Characteristic	Universe	Description
20	1-3	Work Unit Number (From Breaker Sheet)	All	If Breaker was missing 001 or 1-999 9XX Assigned
	4-5	Month	All	01-12
	6	Year - Last Digit	All	0-9
21	All	Final Weight	All	Two Understood Decimal Places, (Right justified, space fill-01)
22				
23	1-6	PADDING		
23 and 24	1-6 1-3	PADDING		
	4-6	JRCERR	All	No. of errors charged to Enumerator 000-999
25	1-3	CMSA/MSA Rank Code	All	Not identifiable 000 Nonmetropolitan 000 Identified 1/ 001-252
	4-5	PMSA Rank Code	All	Not identifiable 00 Not in a PMSA 00 Identified 1/ 01-12

1/ See Appendix #1.

-more-

Word	Char.	Characteristic	Universe	Description	
25	6	Individual Central City Code	All	Not identifiable Identified <u>1</u>	0 1-4
26	1	Metropolitan Status Code	All	Metropolitan Nonmetropolitan Not identifiable	1 2 3
	2	Central City Status Code	All	Central City Balance of MSA/PMSA Nonmetropolitan Not identifiable	1 2 3 4
	3	PADDING			
	4	MSA/CMSA Size (From M.S.T.- reflecting 1983 Population Estimates	All	Not identifiable, Nonmet. 100,000-249,999 250,000-499,999 500,000-999,999 1,000,000-2,499,999 2,500,000-9,999,999 5,000,000-9,999,999 10,000,000+	0 2 3 4 5 6 7 8
	5-6	PADDING			
27	1-3	Blank			
27	3	BLANK			
	4	RACE Recode			
	5-6	BLANK			
28 Through 58	1 6	PADDING			

-more-

Word	Char.	Characteristic	Universe	Description
<u>Unedited Basic CPS Transcription Items 1/</u>				
59	1	Item 27	Tenure (Unedited)	All
				Owned or being bought 6
				Rented 7
				No cash rent 8
				No entry- Blank
	2	Item 28	Total Family Income (Unedited)	All
				Under \$5,000 0
				\$ 5,000-- 7,499 1
				\$ 7,500-- 9,999 2
				\$10,000--12,499 3
				\$12,500--14,999 4
				\$15,000--17,499 5
				\$17,500--19,999 6
				\$20,000--24,999 7
				\$25,000--29,999 8
				\$30,000--34,999 9
				\$35,000--39,999 A
				\$40,000--49,999 B
				\$50,000--74,999 C
				75,000 and Over D
				No Entry Blank
	3	Item 29A--Telephone in house--hold (transcribe from control card item 30a) Unedited 2/	All	
				Blank -
				Yes 1
				No 2

1/ Note Items 27-29C are included on each person's record.

2/ July and November only. Padding all other months.

--more--



Word	Char.	Characteristic	Universe	Description
59	4	Item 29B--Telephone available (transcribe from control card item 30b) Unedited 2/	I-29a= No	Blank Yes No — 1 2
	5	Item 29C--Telephone interview acceptable (Transcribe from control card item 30d) Unedited 2/	I-29a= Yes or I-29b= Yes	Blank Yes No — 1 2
	6			
59 through 64	6 6	PADDING		
65	1-2	<u>Item 18A</u> - LINE NUMBER	All	Line Number 01-39
	3	<u>Item 18B</u> - RELATIONSHIP TO REFERENCE PERSON	All	Own child Brother/Sister Other relative of reference person Non-relative of reference person-with own relatives in household Non-relative of reference person-no own relatives in household 5 7 8 9 A
	4-5	<u>Item 18C</u> -PARENT'S LINE NUMBER	All	None Parent's line number 00 01-39
	6	PADDING		

2/ July and November only. Padding all other months.

--more--

Word	Char.	Characteristic	Universe	Description	
66	1-2	Item 18D - AGE	All	Age in Years	00-13
	3-5	PADDING			
	6	Item 18G-SEX	All	Male	1
				Female	2
67	1-4	PADDING			
	5	Item 18J - RACE	All	White	1
				Black	2
				Other	3
	6	PADDING			
68	1-2	PADDING			
	3-4	FAMILY NUMBER	All	Not a family member	00
				Primary family member only	01
				Subfamily member	02-39
	5	FAMILY TYPE	All	Primary family	1
				Primary individual	2
				Related subfamily	3
				Unrelated subfamily	4
				Secondary individuals	5
	6	FAMILY RELATIONSHIP	All	Not a family member	0
				Reference person	1
				Spouse	2
				Child	3
				Other relative (primary family only)	4

--more--

Word	Char.	Characteristic	Universe	Description	
69	1-4	PADDING			
	5	LINE NUMBER ALLOCATION FLAG	All	No change	0
				Blank to value	1
				Old value to new value	2
	6	RELATIONSHIP TO REFERENCE PERSON ALLOCATION FLAG	All	No change	0
				Blank to value	1
				Old value to new value	2
70	1	PARENT'S LINE NUMBER ALLOCATION FLAG	All	No change	0
				Value allocated	2
	2	AGE ALLOCATION FLAG	All	No change	0
				Blank to value	1
				Old value to new value	2
	3	PADDING	All	No change	0
	5	SEX ALLOCATION FLAG		Blank to value	1
				Old value to new value	2
	6	PADDING			
71	1-2	PADDING			
	3	RACE ALLOCATION FLAG	All	No change	0
				Blank to value	1
				Old value to new value	2
	4	PADDING			

--more--

Word	Char.	Characteristic	Universe	Description
71 thru 72	5 2	Total Weekly Family Earnings (for members 16+)	MIS = 4, 8	Not in primary family, NIU blank Usual weekly family earnings 0000-9999
72	3	PADDING		
	4	AGE OF PRIMARY FAMILY HOUSEHOLDER	All	Not a family member 0 < 25 years old 1 25-44 years old 2 45-54 years old 3 55-64 years old 4 65+ years old 5
	5-6	SIZE OF PRIMARY FAMILY	All	Not in primary family 00 Number individuals with WD 104:5 = 1, 3 01-39
73	1	PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS	All	Not in primary family 0 No one employed 1 Some employed--no wage and salary workers 2 With wage and salary workers 3 Husband, wife or reference person self-employed With wage and salary workers 4 Husband, wife or reference person not self-employed With wage and salary workers only 5

-more-

Word	Char.	Characteristic	Universe	Description
73	2	USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS	MIS 4 or 8	Not in primary family 0 No earners 1 All earners full-time 2 Some full-time, some part-time 3 All earners part-time 4 Not in universe 5
	3	LABOR FORCE AND EARNER STATUS (MALE) OF HUSBAND OF PRIMARY FAMILY OR MALE HOUSEHOLDER	All	Not in primary family/no male 0 Employed earner 1 Self-employed 2 Without pay 3 Unemployed 4 Not in labor force 5 Armed Forces 6
	4	LABOR FORCE AND EARNER STATUS (FEMALE) OF WIFE OF PRIMARY FAMILY OR FEMALE HOUSEHOLDER	All	Not in primary family/no female 0 Employed earner 1 Self-employed 2 Without pay 3 Unemployed 4 Not in labor force 5 Armed Forces 6
	5	NUMBER OF EARNERS IN PRIMARY FAMILY	All	Not in primary family 0 No earners 0 1-8 earners 1-8 9+ earners 9
	6	NUMBER OF UNEMPLOYED IN PRIMARY FAMILY	All	Not in primary family 0 No unemployed 0 1-8 unemployed 1-8 9+ unemployed 9

--more--

Word	Char.	Characteristic	Universe	Description	
74	1	HOUSEHOLD TYPE	All	Husband/wife primary family—(neither husband or wife in Armed Forces)	1
				Husband/wife primary family—(husband and/or wife in Armed Forces)	2
				Unmarried civilian male primary family householder	3
				Unmarried civilian female primary family householder	4
				Primary family household—reference person in Armed Forces & unmarried	5
				Civilian male primary individual	6
				Civilian female primary individual	7
				Primary individual household—reference person in Armed Forces	8
				Group quarters	9
	2	NUMBER OF OWN CHILDREN LESS THAN 18 IN PRIMARY FAMILY	All	Not in primary family	0
				No children	1
				1 child	2
				2 children	3
				3 children	4
				4 children	5
				5 children	6
				6 children	7
				7 children	8
				8+ children	9
	3	PRESENCE OF OWN CHILDREN LESS THAN 18 IN PRIMARY FAMILY	All	Not in primary family	0
				No children < 18 years old	1
				All children 14-17 years old	2
				All children 6-13 years old	3
				All children 0-5 years old	4
				Children 14-17 & 6-13 (no children 0-5)	5
				Children 14-17 & 0-5 (no children 6-13)	6
				Children 6-13 & 0-5 (no children 14-17)	7
				Children from all age groups	8

--more--

Word	Char.	Characteristic	Universe	Description	
74	4	Primary Family Relationship	All	Not in primary family	0
				Husband	1
				Wife	2
				Own child	3
				Other relative	4
				Unmarried reference person	5
	5	Number of Earners in Primary Family 16+	All	Not in primary family	0
				No earners	0
				1-8 earners	1-8
				9+ earners	9
	6	Number of Unemployed in Primary Family 16+	All	Not in primary family	0
				No unemployed	0
				1-8 unemployed	1-8
				9+ unemployed	9
75	1-6	FAMILY WEIGHT	All	Two implied decimal places, right justified, space filled	
76	1-6				
77	1-2	HOUSEHOLD SIZE	All	Number of persons in household	01-39
	3-4	NUMBER OF FAMILIES IN HOUSEHOLD	All	Number of families	00-19
	5-6	PADDING			
78	1-6	FAMILY EARNINGS WEIGHT	MIS =	Two implied decimal places, right justified, space filled	
79	1-6		4, 8		

--more--

Word	Char.	Characteristic	Universe	Description	
80	1	PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS (16+)	All	Not in primary family	0
				No one employed	1
				Some employed—No wage & salary workers	2
				With wage and salary workers—husband, wife or reference person self-employ.	3
				With wage and salary workers—husband, wife or refer. person not self-employ., other household member self-employ.	4
				With wage and salary workers only	5
	2	USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS (16+)	MIS = 4, 8	Not in primary family	0
				No earners	1
				All earners full-time	2
				Some full-time, some part-time	3
				All earners part-time	4
				Not in universe	5
	3-6	TOTAL WEEKLY FAMILY EARNINGS	MIS = 4, 8	Not in primary family, NIU	blank
				Usual weekly family earnings	0000-9999

\*\*\*\*\* END OF ATTACHMENT E \*\*\*\*\*





CURRENT POPULATION SURVEY  
 NONINTERVIEW TYPE A RECORD LAYOUT  
 FOR STANDARD TAPE COPIES  
 (Beginning January 1986)

Attachment B

Page 1

Word	Char.	Characteristic	Universe	Description
1	1	Record type	All	Noninterview Type A 2
	2	Month in Sample (Recoded from Month and Rotation)	All	1-8
	3	Blank		
	4-6			
2	1-6	Household ID Number	All	
3	1-3			
	4	Region (From M.S.T.)	All	Northeast 1 North Central 2 South 3 West 4

--more--

Word	Char.	Characteristic	Universe	Description	
3	5	Division (From M.S.T.)	All	New England	1
				Middle Atlantic	2
				East North Central	3
				West North Central	4
				South Atlantic	5
				East South Central	6
				West South Central	7
				Mountain	8
				Pacific	9
	5-6	State (1st digit of State Code is Division Code) (From M.S.T.)	All	<u>New England Division</u>	
				Maine	11
				New Hampshire	12
				Vermont	13
				Massachusetts	14
				Rhode Island	15
				Connecticut	16
				<u>Middle Atlantic Division</u>	
				New York	21
				New Jersey	22
				Pennsylvania	23
				<u>East North Central Division</u>	
				Ohio	31
				Indiana	32
				Illinois	33
				Michigan	34
				Wisconsin	35

--more--

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't.)	All	<u>West North Central Division</u> Minnesota 41 Iowa 42 Missouri 43 North Dakota 44 South Dakota 45 Nebraska 46 Kansas 47  <u>South Atlantic Division</u> Delaware 51 Maryland 52 District of Columbia 53 Virginia 54 West Virginia 55 North Carolina 56 South Carolina 57 Georgia 58 Florida 59  <u>East South Central Division</u> Kentucky 61 Tennessee 62 Alabama 63 Mississippi 64  <u>West South Central Division</u> Arkansas 71 Louisiana 72 Oklahoma 73 Texas 74

--more--

Word	Char.	Characteristic	Universe	Description	
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't.)	All	<u>Mountain Division</u>	
				Montana	81
				Idaho	82
				Wyoming	83
				Colorado	84
				New Mexico	85
				Arizona	86
				Utah	87
				Nevada	88
				<u>Pacific Division</u>	
				Washington	91
				Oregon	92
				California	93
				Alaska	94
				Hawaii	95
4	1-2	State Rankings (From M.S.T.)	All		<u>1980 Ranking</u>
				California (CA)	01
				New York (NY)	02
				Texas (TX)	03
				Pennsylvania (PA)	04
				Illinois (IL)	05
				Ohio (OH)	06
				Florida (FL)	07
				Michigan (MI)	08
				New Jersey (NJ)	09
				North Carolina (NC)	10
				Massachusetts (MA)	11
				Indiana (IN)	12
				Georgia (GA)	13
				Virginia (VA)	14
				Missouri (MO)	15
				Wisconsin (WI)	16
				Tennessee (TN)	17

-more-

Word	Char.	Characteristic	Universe	Description
4	1--2	State Rankings (From M.S.T.) (Con't.)	All	<div>1980 Ranking</div> <div> Maryland (MD) 18  Louisiana (LA) 19  Washington (WA) 20  Minnesota (MN) 21  Alabama (AL) 22  Kentucky (KY) 23  South Carolina (SC) 24  Connecticut (CT) 25  Oklahoma (OK) 26  Iowa (IA) 27  Colorado (CO) 28  Arizona (AZ) 29  Oregon (OR) 30  Mississippi (MS) 31  Kansas (KS) 32  Arkansas (AR) 33  West Virginia (WV) 34  Nebraska (NE) 35  Utah (UT) 36  New Mexico (NM) 37  Maine (ME) 38  Hawaii (HI) 39  Rhode Island (RI) 40  Idaho (ID) 41  New Hampshire (NH) 42  Nevada (NV) 43  Montana (MT) 44  South Dakota (SD) 45  North Dakota (ND) 46  Dist. of Columbia (DC) 47  Delaware (DE) 48  Vermont (VT) 49  Wyoming (WY) 50  Alaska (AK) 51 </div>

--more--

Word	Char.	Characteristic	Universe	Description	
4	3-4	PADDING			
	5	<u>Item 1</u> —INTERVIEWER CHECK ITEM	All	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household Second CPS-1 of cont. household Third, fourth, etc. CPS-1	— 1  2 3 4
	6	Blank			
5	1-3	Blank			
	4-6	<u>Item 10</u> —INTERVIEWER CODE	All	Blank or Impossible in any digit	—NA, or A00-M99 (Excluding Ixx)
6	1	<u>Item 12</u> —LINE NO. H'HLD. RESP.	All	Blank or Impossible Non H'hld. Resp.	— 1-6 7
	2	<u>Item 13</u> —TYPE INTERVIEW	All	Noninterview	1
	3-4	<u>Item 11</u> —DATE COMPLETED	All	Day of Month	— or 10-29
	3	PADDING			

-more-

Word	Char.	Characteristic	Universe	Description	
6	4	<u>Item 11</u> -Day Completed (Beginning October 1986)	All	Blank	-
				Sunday	1
				Monday	2
				Tuesday	3
				Wednesday	4
				Thursday	5
				Friday	6
				Saturday	7
				After Interview Week	8
	5-6	PADDING			
7	1	<u>Item 14</u> -RACE OF HEAD	All	White	1
				Black	2
				Other	3
	2	<u>Item 14</u> -REASON	All	No one home	1
				Temporarily absent	2
				Refused	3
				Other -Occ.	4
	3-5	PADDING			
	6	Blank			
8	1	Land Usage (Recode) (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document <u>Items 5a and 5b.</u> )	All	Nonfarm	1
				Farm	2, 3

-more-



Word	Char.	Characteristic	Universe	Description
8	2-3	<u>Item 4</u> --TYPE OF LIVING QUARTERS (Recode)	All	<u>Housing Unit</u> House, apt., flat 01 HU in nontransient hotel, etc. 02 HU, permanent, in trans. hotel, motel, etc. 03 HU in rooming house 04 Mobile home or Trailer 05 HU not specified above 06 <u>Other Unit</u> Qtrs. not HU in rooming or boarding house 07 Unit not permanent in trans. hotel, motel, etc. 08 Tent or trailer site 09 Other not HU 10
	4	"New" Farm Definition (Recode) (Edited using Urban/Rural Code from M.S.T and CPS-1 Document <u>Items 5a.</u> and <u>5b.</u> )	All	Nonfarm 1 Farm 2, 3
	5	Blank		
	6	<u>Item 9</u> --HOUSEHOLD NUMBER (Unedited)	All	Blank - 1-8 1-8
9 through 19	1 2	PADDING		

-more-

Word	Char.	Characteristic	Universe	Description
19	3	Household Indicator	All	1
	4-6	Document Count (Within Work Unit)	All	001-999
20	1-3	Work Unit Number (From Breaker Sheet)	All	001 - 999 If Breaker was missing 9XX Assigned
	4-5	Month	All	01-12
	6	Year - Last Digit	All	0-9
21	1-6	Fill	All	(Binary 01)
22	1-5	Final Weight	All	"Regular Type A" 1 Sub Sample 2-4
23	1-6	PADDING	All	No. of errors charged to enumerator 000-999
24	1-3			
	4-6	JRCERR	All	000
25	1-3	CMSA/MSA Rank Code	All	Not identifiable 000 Nonmetropolitan 000 Identified <sup>1/</sup> 001-252

<sup>1/</sup> See Appendix #1.

Word	Char.	Characteristic	Universe	Description	
25	4-5	PMSA Rank Code	All	Not identifiable	00
				Not in a PMSA	00
				Identified <u>1/</u>	01-12
	6	Individual Central City Code	All	Not identifiable	0
				Identified <u>1/</u>	1-4
26	1	Metropolitan Status Code	All	Metropolitan	1
				Nonmetropolitan	2
				Not identifiable	3
	2	Central City Status Code	All	Central City	1
				Balance of MSA/PMSA	2
				Nonmetropolitan	3
				Not identifiable	4
	3	PADDING			
	4	MSA/CMSA Size (From M.S.T.-- reflecting 1983 popula- tion estimates)	All	Not identifiable, Nonmet.	0
				100,000-249,999	2
				250,000-499,999	3
				500,000-999,999	4
				1,000,000-2,499,999	5
				2,500,000-4,999,999	6
				5,000,000-4,999,999	7
				10,000,000+	8

1/ See Appendix #1.

Word	Char.	Characteristic	Universe	Description	
26	5-6	PADDING			
27	1-3	Blank			
	4	RACE Recode	All	White	1
	5-6	Blank		Other	2
28 through 52	1 6	PADDING			
BASIC CPS ALLOCATION FLAGS					
53	1	Item 5a	All	Not Allocated	0
	2	4		Allocated	1
	3	5b			
	4	9			
53 through 54	5 2	Padding			
54	3	14 - RACE			
54 through 58	4 5	PADDING			
58	6	Geographic Identification			
59 through 80	1 6	Padding			

END OF BASIC CPS RECORD



CURRENT POPULATION SURVEY  
 NONINTERVIEW TYPE B-C RECORD LAYOUT  
 FOR STANDARD TAPE COPIES  
 (Beginning January 1986)

Attachment C

Page 1

Word	Char.	Characteristic	Universe	Description
1	1	Record type	All	Noninterview Type B-C 3
	2	Month in Sample (Recoded from Month and Rotation)	All	1-8
	3	Blank		
	4-6			
2	1-6	Household ID Number	All	
3	1-3			
	4	Region (From M.S.T.)	All	Northeast 1 North Central 2 South 3 West 4

-more-

Word	Char.	Characteristic	Universe	Description	
3	5	Division (From M.S.T.)	All	New England	1
				Middle Atlantic	2
				East North Central	3
				West North Central	4
				South Atlantic	5
				East South Central	6
				West South Central	7
				Mountain	8
				Pacific	9
	5-6	State (1st digit of State Code is Division Code) (From M.S.T.)	All	<u>New England Division</u>	
				Maine	11
				New Hampshire	12
				Vermont	13
				Massachusetts	14
				Rhode Island	15
				Connecticut	16
				<u>Middle Atlantic Division</u>	
				New York	21
				New Jersey	22
				Pennsylvania	23
				<u>East North Central Division</u>	
				Ohio	31
				Indiana	32
				Illinois	33
				Michigan	34
				Wisconsin	35

--more--

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't.)	All	<u>West North Central Division</u> Minnesota 41 Iowa 42 Missouri 43 North Dakota 44 South Dakota 45 Nebraska 46 Kansas 47  <u>South Atlantic Division</u> Delaware 51 Maryland 52 District of Columbia 53 Virginia 54 West Virginia 55 North Carolina 56 South Carolina 57 Georgia 58 Florida 59  <u>East South Central Division</u> Kentucky 61 Tennessee 62 Alabama 63 Mississippi 64  <u>West South Central Division</u> Arkansas 71 Louisiana 72 Oklahoma 73 Texas 74

-more-



Word	Char.	Characteristic	Universe	Description	
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't.)	All	<u>Mountain Division</u>	
				Montana	81
				Idaho	82
				Wyoming	83
				Colorado	84
				New Mexico	85
				Arizona	86
				Utah	87
				Nevada	88
				<u>Pacific Division</u>	
				Washington	91
				Oregon	92
				California	93
				Alaska	94
				Hawaii	95
4	1-2	State Rankings (From M.S.T.)	All		<u>1980 Ranking</u>
				California (CA)	01
				New York (NY)	02
				Texas (TX)	03
				Pennsylvania (PA)	04
				Illinois (IL)	05
				Ohio (OH)	06
				Florida (FL)	07
				Michigan (MI)	08
				New Jersey (NJ)	09
				North Carolina (NC)	10
				Massachusetts (MA)	11
				Indiana (IN)	12
				Georgia (GA)	13
				Virginia (VA)	14
				Missouri (MO)	15
				Wisconsin (WI)	16
				Tennessee (TN)	17

--more--

Word	Char.	Characteristic	Universe	Description
4	1-2	State Rankings (From M.S.T.) (Con't.)	All	<div> <div>1980 Ranking</div> <div> Maryland (MD) 18  Louisiana (LA) 19  Washington (WA) 20  Minnesota (MN) 21  Alabama (AL) 22  Kentucky (KY) 23  South Carolina (SC) 24  Connecticut (CT) 25  Oklahoma (OK) 26  Iowa (IA) 27  Colorado (CO) 28  Arizona (AZ) 29  Oregon (OR) 30  Mississippi (MS) 31  Kansas (KS) 32  Arkansas (AR) 33  West Virginia (WV) 34  Nebraska (NE) 35  Utah (UT) 36  New Mexico (NM) 37  Maine (ME) 38  Hawaii (HI) 39  Rhode Island (RI) 40  Idaho (ID) 41  New Hampshire (NH) 42  Nevada (NV) 43  Montana (MT) 44  South Dakota (SD) 45  North Dakota (ND) 46  Dist. of Columbia (DC) 47  Delaware (DE) 48  Vermont (VT) 49  Wyoming (WY) 50  Alaska (AK) 51 </div> </div>

-more-

Word	Char.	Characteristic	Universe	Description	
4	3-4	PADDING			
	5	<u>Item 1</u> —INTERVIEWER CHECK ITEM	All	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household Second CPS-1 of cont. household Third, fourth, etc. CPS-1	— 1 2 3 4
	6	Blank			
5	1-3	Blank			
	4-6	<u>Item 10</u> —INTERVIEWER CODE	All	Blank or Impossible in any digit	—NA, or A00-M99 (Excluding Ixx)
6	1	<u>Item 12</u> —LINE NO. H'HLD. RESP.	All	Blank or Impossible Non H'hld. Resp.	— 1-6 7
	2	<u>Item 13</u> —TYPE INTERVIEW	All	Noninterview	1
	3-4	<u>Item 11</u> —DATE COMPLETED (Through September 1986)	All	Day of Month	— or 10-29
	3	PADDING (Beginning October 1986)			

—more—

Word	Char.	Characteristic	Universe	Description	
6	4	Item 11-Day Completed (Beginning October 1986)	All	Blank	—
				Sunday	1
				Monday	2
				Tuesday	3
				Wednesday	4
				Thursday	5
				Friday	6
				Saturday	7
				After Interview Week	8
	5-6	PADDING			
9-7	7	Item 14-RACE OF HEAD	All	White	1
				Black	2
				Other	3
	2	Item 14-REASON	All	No one home	1
				Temporarily absent	2
				Refused	3
				Other-Occ.	4
	3-5	PADDING			
	6	Blank			
8	1	Land Usage (Recode) (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document <u>Items 5a and 5b.</u> )	All	Nonfarm	1
				Farm	2, 3

-more-

Word	Char.	Characteristic	Universe	Description
8	2-3	<u>Item 4</u> —TYPE OF LIVING QUARTERS (Recode)	All	<u>Housing Unit</u> House, apt., flat 01 HU in nontransient hotel, etc. 02 HU, permanent, in trans. hotel, motel, etc. 03 HU in rooming house 04 Mobile home or Trailer 05 HU not specified above 06 <u>Other Unit</u> Qtrs. not HU in rooming or boarding house 07 Unit not permanent in trans. hotel, motel, etc. 08 Tent or trailer site 09 Other not HU 10
	4	"New" Farm Definition (Recode) (Edited using Urban/Rural Code from M.S.T and CPS-1 Document <u>Items 5a.</u> and <u>5b.</u> )	All	Nonfarm 1 Farm 2, 3
	5	Blank		
	6	<u>Item 9</u> —HOUSEHOLD NUMBER (Unedited)	All	Blank — 1-8 1-8
9 through 19	1 2	PADDING		

--more--

Word	Char.	Characteristic	Universe	Description	
19	3	Household Indicator	All		1
	4-6	Document Count (Within Work Unit)	All		001-999
20	1-3	Work Unit Number (From Breaker Sheet)	All	If Breaker was missing	001-999 9XX Assigned
	4-5	Month	All		01-12
	6	Year - Last Digit	All		0-9
21	1-6	Fill	All	(Binary 01)	
22	1-5	Final Weight	All	"Regular Type A" Sub Sample	1 2-4
23 and 24	1-6 1-3	PADDING			
	4-6	JRCERR	All	No. of errors charged to Enumerator	000-999
25	1-3	CMSA/MSA Rank Code	All	Not identifiable Nonmetropolitan Identified <u>1</u> /	000 000 001-252
	4-5	PMSA Rank Code	All	Not identifiable Not in a PMSA Identified <u>1</u> /	00 00 01-12

1/ See Appendix #1

-more-

Word	Char.	Characteristic	Universe	Description	
25	6	Individual Central City Code	All	Not identifiable Identified <u>1</u> /	0 1-4
26	1	Metropolitan Status Code	All	Metropolitan Nonmetropolitan Not identifiable	1 2 3
	2	Central City Status Code	All	Central City Balance of MSA/PMSA Nonmetropolitan Not identifiable	1 2 3 4
	3	PADDING			
	4	MSA/CMSA Size (From M.S.T.- reflecting 1983 Population Estimates	All	Not identifiable, Nonmet. 100,000-249,999 250,000-499,999 500,000-999,999 1,000,000-2,499,999 2,500,000-9,999,999 5,000,000-9,999,999 10,000,000+	0 2 3 4 5 6 7 8
	5-6	PADDING			
27.	1-3	Blank			
	4	RACE (Recode)	All	White	1
	5-6	Blank			

1/ See Appendix #1

-more-

Word	Char.	Characteristic	Universe	Description
28 through	1	Blank		
52	6			
53	1	Item 5a	All	Not Allocated
	2	4		
	3	5b		
	4	9		
53	5			
		Padding		
58	5			
58	6	Geographic Identification		
59 Thru	1			
80	6	Padding		

9-11

END OF BASIC CPS RECORD





CURRENT POPULATION SURVEY  
 ARMED FORCE'S INTERVIEW RECORD LAYOUT  
 FOR STANDARD TAPE COPIES  
 (Beginning January 1986)

Attachment D

Page 1

Word	Char.	Characteristic	Universe	Description	
1	1	Record type	All	Armed Forces Record	4
	2	Month in Sample (Recoded from Month and Rotation)	All		1-8
	3	Blank			
	4-6				
2	1-6	Household ID Number	All		
3	1-3				
	4	Region (From M.S.T.)	All	Northeast	1
				North Central	2
				South	3
				West	4
3	5	Division (From M.S.T.)	All	New England	1
				Middle Atlantic	2
				East North Central	3
				West North Central	4
				South Atlantic	5
				East South Central	6
				West South Central	7
				Mountain	8
				Pacific	9

Region 1

Region 2

Region 3

Region 4

--more--

10-1

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.)	All	<u>New England Division</u> Maine 11 New Hampshire 12 Vermont 13 Massachusetts 14 Rhode Island 15 Connecticut 16  <u>Middle Atlantic Division</u> New York 21 New Jersey 22 Pennsylvania 23  <u>East North Central Division</u> Ohio 31 Indiana 32 Illinois 33 Michigan 34 Wisconsin 35  <u>West North Central Division</u> Minnesota 41 Iowa 42 Missouri 43 North Dakota 44 South Dakota 45 Nebraska 46 Kansas 47

--more--

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't.)		<u>South Atlantic Division</u> Delaware 51 Maryland 52 District of Columbia 53 Virginia 54 West Virginia 55 North Carolina 56 South Carolina 57 Georgia 58 Florida 59  <u>East South Central Division</u> Kentucky 61 Tennessee 62 Alabama 63 Mississippi 64  <u>West South Central Division</u> Arkansas 71 Louisiana 72 Oklahoma 73 Texas 74  <u>Mountain Division</u> Montana 81 Idaho 82 Wyoming 83 Colorado 84 New Mexico 85 Arizona 86 Utah 87 Nevada 88

-more-

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't.)	All	<u>Pacific Division</u> Washington 91 Oregon 92 California 93 Alaska 94 Hawaii 95
4	1-2	State Rankings (From M.S.T.)	All	<u>1980 Ranking</u> California (CA) 01 New York (NY) 02 Texas (TX) 03 Pennsylvania (PA) 04 Illinois (IL) 05 Ohio (OH) 06 Florida (FL) 07 Michigan (MI) 08 New Jersey (NJ) 09 North Carolina (NC) 10 Massachusetts (MA) 11 Indiana (IN) 12 Georgia (GA) 13 Virginia (VA) 14 Missouri (MO) 15 Wisconsin (WI) 16 Tennessee (TN) 17 Maryland (MD) 18 Louisiana (LA) 19 Washington (WA) 20 Minnesota (MN) 21 Alabama (AL) 22 Kentucky (KY) 23 South Carolina (SC) 24 Connecticut (CT) 25 Oklahoma (OK) 26

--more--

Word	Char.	Characteristic	Universe	Description
4	1-2	State Rankings (From M.S.T.) (Con't.)	All	<u>1980 Ranking</u>
				Iowa (IA) 27
				Colorado (CO) 28
				Arizona (AZ) 29
				Oregon (OR) 30
				Mississippi (MS) 31
				Kansas (KS) 32
				Arkansas (AR) 33
				West Virginia (WV) 34
				Nebraska (NE) 35
				Utah (UT) 36
				New Mexico (NM) 37
				Maine (ME) 38
				Hawaii (HI) 39
				Rhode Island (RI) 40
				Idaho (ID) 41
				New Hampshire (NH) 42
				Nevada (NV) 43
				Montana (MT) 44
				South Dakota (SD) 45
				North Dakota (ND) 46
				Dist. of Columbia (DC) 47
				Delaware (DE) 48
				Vermont (VT) 49
				Wyoming (WY) 50
				Alaska (AK) 51
4	3-4	PADDING		

-more-

Word	Char.	Characteristic	Universe	Description	
4	5	<u>Item 1</u> ---INTERVIEWER CHECK ITEM	All	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household Second CPS-1 of cont. household Third, fourth, etc. CPS-1	— 1 2 3 4
	6	Blank			
5	1-3	Blank			
	4-6	<u>Item 10</u> ---INTERVIEWER CODE	All	Blank or Impossible in any digit	—NA, or A00-M99 (Excluding Ixx)
6	1	<u>Item 12</u> ---LINE NO. H'HLD. RESP.	All	Blank or Impossible Non H'hld. Resp.	— 1-6 7
	2	<u>Item 13</u> ---TYPE INTERVIEW	All	Noninterview	1
	3-4	<u>Item 11</u> ---DATE COMPLETED (Through September 1986)	All	Day of Month	— or 10-29
	3	PADDING (Beginning October 1986)			
	4	<u>Item 11</u> ---Day Completed (Beginning October 1986)	All	Blank Sunday Monday Tuesday Wednesday Thursday Friday Saturday After Interview Week	— 1 2 3 4 5 6 7 8

--more--

Word	Char.	Characteristic	Universe	Description
6	5-6	PADDING		
7	1-5	PADDING		
	6	Blank		
8	1	BLANK		
	2-3	<u>Item 4</u> —TYPE OF LIVING QUARTERS (Recode)	All	<u>Housing Unit</u> House, apt., flat 01 HU in nontransient hotel, etc. 02 HU, permanent, in trans. hotel, motel, etc. 03 HU in rooming house 04 Mobile home or Trailer 05 HU not specified above 06 <u>Other Unit</u> Qtrs. not HU in rooming or boarding house 07 Unit not permanent in trans. hotel, motel, etc. 08 Tent or trailer site 09 Other not HU 10
	4	"New" Farm Definition (Recode) (Edited using Urban/Rural Code from M.S.T and CPS-1 Document <u>Items 5a.</u> and <u>5b.</u> )	All	Nonfarm 1 Farm 2, 3

-more-



Word	Char.	Characteristic	Universe	Description
8	5	Blank		
	6	<u>Item 9</u> —HOUSEHOLD NUMBER	All	Blank 1-8
9 through 18	1 6	PADDING		
19	1-3	PADDING		
	4-6	Document Count (Within Work Unit)	All	001-999
20	1-3	Work Unit Number (From Breaker Sheet)	All	001 or 1-999 If Breaker was missing 9XX Assigned
	4-5	Month	All	01-12
	6	Year -- Last Digit	All	0-9
21	All	Fill	All	Two Understood Decimal Places, (Right justified, space fill-01)
22				
23	1-6	PADDING		
23 and 24	1-6 1-3	PADDING		
	4-6	JRCERR	All	No. of errors charged to Enumerator 000-999

--more--

Word	Char.	Characteristic	Universe	Description
25	1-3	CMSA/MSA Rank Code	All	Not identifiable 000 Nonmetropolitan 000 Identified <u>1</u> / 001-252
	4-5	PMSA Rank Code	All	Not identifiable 00 Not in a PMSA 00 Identified <u>1</u> / 01-12
	6	Individual Central City Code	All	Not identifiable 0 Identified <u>1</u> 1-4
26	1	Metropolitan Status Code	All	Metropolitan 1 Nonmetropolitan 2 Not identifiable 3
	2	Central City Status Code	All	Central City 1 Balance of MSA/PMSA 2 Nonmetropolitan 3 Not identifiable 4
	3	PADDING		
	4	MSA/CMSA Size (From M.S.T.- reflecting 1983 Population Estimates (Beginning October 1985))	All	Not identifiable, Nonmet. 0 100,000-249,999 2 250,000-499,999 3 500,000-999,999 4 1,000,000-2,499,999 5 2,500,000-9,999,999 6 5,000,000-9,999,999 7 10,000,000+ 8

1/ See Appendix #1

-more-

Word	Char.	Characteristic	Universe	Description
26	5-6	PADDING		
27	1-3	BLANK		
	4	RACE Recode		
	5-6	BLANK		
28 Through 64	1 6	PADDING		
65	1-2	<u>Item 18A</u> - LINE NUMBER	All	Line Number 01-39
	3	<u>Item 18B</u> - RELATIONSHIP TO REFERENCE PERSON	All	Reference Person with other relatives in household 1 Reference Person with no other relatives in household 2 Husband 3 Wife 4 Own Child 5 Parent 6 Brother/Sister 7 Other relative of reference person 8 Non-relative of reference person-with own relatives in household 9 Non-relative of reference person-no own relatives in household A

-more-

Word	Char.	Characteristic	Universe	Description
	4-5	<u>Item 18C</u> -PARENT'S LINE NUMBER	All	None Parent's line number
				00 01-39
	6	PADDING		
66	1-2	<u>Item 18D</u> - AGE	All	Age in Years
				14-90 <sup>1/</sup>
	3	<u>Item 18E</u> - MARITAL STATUS	All	Married-civilian spouse present Married-Armed Forces spouse present Married-spouse absent (Exclude separated) Widowed Divorced Separated Never Married
				1 2 3 4 5 6 7
	4-5	<u>Item 18F</u> ---Spouse's Line Number	All	None Spouse's line number
				00 01-39
	6	<u>Item 18G</u> ---Sex	All	Male Female
				1 2
67	1	PADDING		

<sup>1/</sup> Are topcoded at 90

--more--

Word	Char.	Characteristic	Universe	Description
67	2-3	<u>Item 18H</u> —Highest Grade (of school) Attended	All	None 00 E1 01 E2 02 E3 03 E4 04 E5 05 E6 06 E7 07 E8 08 H1 09 H2 10 H3 11 H4 12 C1 13 C2 14 C3 15 C4 16 C5 17 C6+ 18
	4	<u>Item 18I</u> —Grade Completed	All	Yes 1 No 2
	5	<u>Item 18J</u> —Race	All	White 1 Black 2 Other 3
	6	PADDING		
68	1-2	PADDING		
	3-4	FAMILY NUMBER	All	Not a family member 00 Primary family member only 01 Subfamily member 02-39

--more--

Word	Char.	Characteristic	Universe	Description	
68	5	FAMILY TYPE	All	Primary family	1
				Primary individual	2
				Related subfamily	3
				Unrelated subfamily	4
				Secondary individuals	5
	6	FAMILY RELATIONSHIP	All	Not a family member	0
				Reference person	1
				Spouse	2
				Child	3
				Other relative (primary family only)	4
69	1-4	PADDING			
	5	LINE NUMBER ALLOCATION FLAG	All	No change	0
				Blank to value	1
				Old value to new value	2
	6	RELATIONSHIP TO REFERENCE PERSON ALLOCATION FLAG	All	No change	0
				Blank to value	1
				Old value to new value	2
	1	PARENT'S LINE NUMBER ALLOCATION FLAG	All	No change	0
				Value allocated	2
	2	AGE ALLOCATION FLAG	All	No change	0
				Blank to value	1
				Old value to new value	2
70	3	MARITAL STATUS ALLOCATION FLAG	All	No change	0
				Blank to value	1
				Old value to new value	2

--more--

Word	Char.	Characteristic	Universe	Description	
70	4	SPOUSE'S LINE NUMBER ALLOCATION FLAG	All	No change Value allocated	0 2
	5	SEX ALLOCATION FLAG	All	No change Blank to value Old value to new value	0 1 2
	6	PADDING			
71	1	HIGHEST GRADE ATTENDED ALLOCATION FLAG	All	No change Blank to value Old value to new value	0 1 2
	2	GRADE COMPLETED ALLOCATION FLAG	All	No change Blank to value Old value to new value	0 1 2
	3	RACE ALLOCATION FLAG	All	No change Blank to value Old value to new value	0 1 2
	4	PADDING			
	5	Total Weekly Family Earnings (for members 16+)	MIS = 4, 8	Not in primary family, NIU Usual weekly family earnings	blank 0000-9999
71 thru 72	2				
72	3	PADDING			

-more-

10-14

Word	Char.	Characteristic	Universe	Description	
72	4	AGE OF PRIMARY FAMILY HOUSEHOLDER	All	Not a family member	0
				< 25 years old	1
				25-44 years old	2
				45-54 years old	3
				55-64 years old	4
				65+ years old	5
	5-6	SIZE OF PRIMARY FAMILY	All	Not in primary family	00
				Number individuals with	
				WD 104:5 = 1, 3	01-39
73	1	PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS	All	Not in primary family	0
				No one employed	1
				Some employed—no wage and	
				salary workers	2
				With wage and salary workers	3
				Husband, wife or reference	
				person self-employed	
				With wage and salary workers	4
				Husband, wife or reference	
				person not self-employed	
				With wage and salary workers only	5
	2	USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS	MIS 4 or 0	Not in primary family	0
				No earners	1
				All earners full-time	2
				Some full-time, some part-time	3
				All earners part-time	4
				Not in universe	5

-more-



Word	Char.	Characteristic	Universe	Description	
73	3	LABOR FORCE AND EARNER STATUS (MALE) OF HUSBAND OF PRIMARY FAMILY OR MALE HOUSEHOLDER	All	Not in primary family/no male	0
				Employed earner	1
				Self-employed	2
				Without pay	3
				Unemployed	4
				Not in labor force	5
				Armed Forces	6
	4	LABOR FORCE AND EARNER STATUS (FEMALE) OF WIFE OF PRIMARY FAMILY OR FEMALE HOUSEHOLDER	All	Not in primary family/no female	0
				Employed earner	1
				Self-employed	2
				Without pay	3
				Unemployed	4
				Not in labor force	5
				Armed Forces	6
	5	NUMBER OF EARNERS IN PRIMARY FAMILY	All	Not in primary family	0
				No earners	0
				1-8 earners	1-8
				9+ earners	9
	6	NUMBER OF UNEMPLOYED IN PRIMARY FAMILY	All	Not in primary family	0
				No unemployed	0
				1-8 unemployed	1-8
				9+ unemployed	9

--more--

Word	Char.	Characteristic	Universe	Description	
74	1	HOUSEHOLD TYPE	All	Husband/wife primary family—(neither husband or wife in Armed Forces)	1
				Husband/wife primary family—(husband and/or wife in Armed Forces)	2
				Unmarried civilian male primary family householder	3
				Unmarried civilian female primary family householder	4
				Primary family household—reference person in Armed Forces & unmarried	5
				Civilian male primary individual	6
				Civilian female primary individual	7
				Primary individual household—reference person in Armed Forces	8
				Group quarters	9
	2	NUMBER OF OWN CHILDREN LESS THAN 18 IN PRIMARY FAMILY	All	Not in primary family	0
				No children	1
				1 child	2
				2 children	3
				3 children	4
				4 children	5
				5 children	6
				6 children	7
				7 children	8
				8+ children	9
	3	PRESENCE OF OWN CHILDREN LESS THAN 18 IN PRIMARY FAMILY	All	Not in primary family	0
				No children < 18 years old	1
				All children 14-17 years old	2
				All children 6-13 years old	3
				All children 0-5 years old	4
				Children 14-17 & 6-13 (no children 0-5)	5
				Children 14-17 & 0-5 (no children 6-13)	6
				Children 6-13 & 0-5 (no children 14-17)	7
				Children from all age groups	8

--more--

Word	Char.	Characteristic	Universe	Description	
74	4	Primary Family Relationship	All	Not in primary family	0
				Husband	1
				Wife	2
				Own child	3
				Other relative	4
				Unmarried reference person	5
	5	Number of Earners in Primary Family 16+	All	Not in primary family	0
				No earners	0
				1-8 earners	1-8
				9+ earners	9
	6	Number of Unemployed in Primary Family 16+	All	Not in primary family	0
				No unemployed	0
				1-8 unemployed	1-8
				9+ unemployed	9
75	1-6	FAMILY WEIGHT	All	Two implied decimal places, right justified, space filled	
76	1-6				
77	1-2	HOUSEHOLD SIZE	All	Number of persons in household	01-39
	3-4	NUMBER OF FAMILIES IN HOUSEHOLD	All	Number of families	00-19
	5-6	PADDING			
78	1-6	FAMILY EARNINGS WEIGHT	MIS =	Two implied decimal places, right justified, space filled	
79	1-6		4, 8		

-more-

Word	Char.	Characteristic	Universe	Description	
80	1	PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS (16+)	All	Not in primary family	0
				No one employed	1
				Some employed—No wage & salary workers	2
				With wage and salary workers—husband, wife or reference person self-employ.	3
				With wage and salary workers—husband, wife or refer. person not self-employ., other household member self-employ.	4
				With wage and salary workers only	5
	2	USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS (16+)	MIS = 4, 8	Not in primary family	0
				No earners	1
				All earners full-time	2
				Some full-time, some part-time	3
				All earners part-time	4
				Not in universe	5
	3-6	TOTAL WEEKLY FAMILY EARNINGS	MIS = 4, 8	Not in primary family, NIU	blank
				Usual weekly family earnings	0000-9999

\*\*\*\*\* END OF ATTACHMENT D \*\*\*\*\*



Attachment 11

NOVEMBER 1988 VOTING AND REGISTRATION RECORD LAYOUT  
FOR PUBLIC USE

Note: Record with WD1:1=2, 3, 4 or 5 will be zero filled  
in all characters for this record layout.

Word	Character	Characteristic	Universe	Field Division
81	1	Eligibility Flag (Item 32)	Persons 14+ (WD1:CH1 = 1)	1 = 18 years old or older 2 = 14-17 years old
	2	Citizen (Item 33)	Eligible Persons 18+ (WD01:CH1 = 1)	1 = Yes 2 = No 3 = Don't know 8 = Not reported or "NA" (Noninterviews included)
	3	Vote (Item 34)	All Citizens 18+ DK's and NA's on Citizenship (WD01:CH2 = 1, 3 and 9)	9 = N.I.U. * (Noncitizens) 1 = Yes 2 = No 3 = Don't know 8 = Not reported or "NA" (Noninterviews included)
	4	Registration Status (Item 35)	All Nonvoters, Don't Knows and NAs on Voting 18+ (WD01:CH3 = 2 or 3 and 9)	9 = N.I.U. (Vote = Yes, Noncitizens) 1 = Yes 2 = No 3 = Don't know 8 = Not reported or "NA" (Noninterviews included)

\* N.I.U. = Not in universe

Attachment 11 (continued)

NOVEMBER 1988 VOTING AND REGISTRATION RECORD LAYOUT  
FOR PUBLIC USE

Note: Record with WD1:1=2, 3, 4 or 5 will be zero filled  
in all characters for this record layout.

Word	Character	Characteristic	Universe	Field Division
	5	Registered specifically for this election	All Voters 18+, Don't knows and NAs on Registration (WD81:CH3 = 1, 3 and 9; and WD81:CH4 = 1, 3 and 9)	9 = N.I.U. (Vote = Yes, Noncitizens) 1 = Registered for this election 2 = Already registered 3 = Don't know 8 = Not reported or "NA" (Noninterviews included)
	6	First time registered	All Voters 18+ Registered for this Election, Don't knows and NAs (WD81:CH5 = 1, 3 and 9)	9 = N.I.U. (Vote = Yes, Noncitizens) 1 = Yes 2 = No 3 = Don't know 8 = Not reported
82	1	Self/Proxy inter- view type (Item 40)	Eligible Persons 18+ (WD81:CH1 = 1)	1 = Person responding for himself/herself 2 = All others (Proxy) 8 = Not reported or "NA" (Noninterviews included)
	2-6	Padding		

\* N.I.U. = Not in universe

--- END OF RECORD---

## ATTACHMENT 12

### Description of Telephone Transcription Data

Also included within this file are telephone availability data in word 59, characters 3, 4, and 5 of all interviewed adult 14+ records (see Attachment 6). Items 29A, B, and C are transcribed to CPS-1, page 3 from CPS control card items 27A, B, and C in March, July, and November of each year. These items are shown in the questionnaire facsimile in Attachment 14, page 14-3

**Item 29A.** If a telephone is within the sample household, the interviewer marks "Yes" in this item and skips to item 29C. If a household does not contain any telephone at all, the interviewer marks "No," and proceeds to 29B.

**Item 29B.** If the respondent has access to a neighbor's phone, hall phone, etc., where the respondent can receive calls, this item is asked. Respondents generally have access to a phone at work, at a relative's house, landlord's residence, and so forth. If *no* telephone is available at all, the interviewer fills "No" in this item, and fills item 30 on the CPS-1 household page 3.

**Item 29C.** If the respondent is willing to be or prefers to be interviewed by phone, the interviewer fills "Yes" in 29C. The interviewer marks "No" in 29C when the respondent is not agreeable to being interviewed over the phone.

Again, the telephone transcription data is entered on CPS-1, page 3 in March, July and November of each year only.





# ATTACHMENT 13

Unweighted and Weighted Counts From the Basic Questionnaire


## TCOPY CONTROL OUTPUT

TOTAL INTERVIEWS (CIVILIAN ONLY)	UNWEIGHTED	WEIGHTED (1000'S)
WHITE		
MALE		
<14	12416	20634
14+	45513	78759
FEMALE		
<14	11819	19590
14+	50406	85092
BLACK		
MALE		
<14	2115	3912
14+	4660	9868
FEMALE		
<14	2076	3795
14+	6273	11979
OTHER		
MALE		
<14	684	1045
14+	1723	2903
FEMALE		
<14	677	1020
14+	1877	3198
TOTAL RECORDS	UNWEIGHTED	WEIGHTED (1000'S)
TOT RECORDS	154311	241794
INTERVIEWS	140239	241794
<14	29787	49995
14+	110452	191800
ARMED FORCES	644	896
TYPE A	2382	0
TYPE B/C	11046	0



# ATTACHMENT 14

## Questionnaire Facsimile

<b>INTERVIEWER CHECK ITEM</b> Only CPS-1 for household <input type="checkbox"/> First CPS-1 of continuation n'hold <input type="checkbox"/> Second CPS-1 of continuation n'hold <input type="checkbox"/> Third, fourth, and 5th CPS-1 <input type="checkbox"/>	<b>FORM CPS-1</b>  <b>U.S. DEPARTMENT OF COMMERCE</b> Bureau of the Census <h3>CURRENT POPULATION SURVEY</h3> <small>Form Approved - O.M.B. No. 1220-0100-Expires 2-28-89</small>	<b>CONTROL NUMBER</b>   <small>PSL</small> <small>SEGMENT</small> <small>SERIAL</small>
<b>LINE NO. OF H'HOLD RESP.</b> NON H'HOLD RESPONDENT <input type="checkbox"/> <small>(Specify and Send Intercomm for interviewed household)</small> <hr/> <b>INTERVIEW</b> ANY ENTRY OTHER THAN <b>NEVER WORKED IN ITEMS</b> <input type="checkbox"/> 23A-E in this CPS-1 <input type="checkbox"/> <small>Yes</small> <input type="checkbox"/> <small>No</small> <b>NONINTERVIEW</b> TYPE A <input type="checkbox"/> TYPE B <input type="checkbox"/> TYPE C <input type="checkbox"/> <small>(SEND INTER COMM FOR TYPE A AND C)</small>		

CURRENT

<b>TELEPHONE HOLD</b> <small>(Mark this box for office "telephone held" cases only)</small> <div style="border: 1px solid black; width: 60px; height: 30px; margin: 10px auto;"></div>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

POPULATION

SURVEY

NOVEMBER 1988



NOVEMBER 1980 U.S. Department of Commerce BUREAU OF THE CENSUS  <b>CURRENT POPULATION SURVEY</b> FORM CPS-1				<b>1. INTERVIEWER CHECK ITEM</b> Only CPS-1 for household First CPS-1 of continuation h'ld. Second CPS-1 of continuation h'ld. Third, fourth, etc. CPS-1		<b>2. SAMPLE</b> A C		<b>3. CONTROL NUMBER</b>															
<b>MONTH</b> <b>YEAR</b>		<b>4. TYPE OF LIVING QUARTERS</b>		<b>5a. LAND USAGE</b> Urban Rural (Fill in)		<b>5b. FARM SALES</b> \$1000 or more (Yes) Less than \$1000 (No)		<b>6. PSU NO.</b> <b>7. SEGMENT NO.</b> <b>8. SERIAL NO.</b> <b>9. HOUSEHOLD NO.</b>															
<b>10. INTERVIEWER CODE</b> A B C D E F G H J K L M		<b>HOUSING UNIT</b> House, apartment, flat HU in nontransient hotel, motel, etc. HU, permanent, in transient hotel, motel, etc. HU in rooming house Mobile home or trailer with no permanent room added Mobile home or trailer with one or more permanent rooms added HU not specified above (Describe below)		<b>OTHER UNIT</b> Quarters not HU in rooming or boarding house Unit not permanent in transient hotel, motel, etc. Tent site or trailer site Student quarters in college dormitory Other not HU (Describe below)																			
<b>11. DAY COMPLETED</b> S M T W T F S      After interview week		<b>12. LINE NO. OF H'HD RESP.</b> Non. h'hd. resp. (Specify)      (Send Inter Comm. Interviewed Households Only)																					
<b>13. TYPE INTERVIEW</b> Noninterview Personal Tel - regular Tel - callback CR filled		<b>14. (Mark reason and race.)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>REASON</th> <th>RACE</th> </tr> <tr> <td>No one home</td> <td>White</td> </tr> <tr> <td>Temporarily absent</td> <td>Black</td> </tr> <tr> <td>Refused</td> <td>All other</td> </tr> <tr> <td>Other - Occ. (Describe below)</td> <td></td> </tr> </table>		REASON	RACE	No one home	White	Temporarily absent	Black	Refused	All other	Other - Occ. (Describe below)		<b>15. NONINTERVIEW</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TYPE A</th> <th>TYPE B</th> <th>TYPE C (Send Inter Comm.)</th> </tr> <tr> <td>           14. (Mark reason and race.)            Vacant - regular            Vacant - storage of h'hd furniture            Temp. occ. by persons with URE            Temporarily absent            Refused            Other - Occ. (Describe below)         </td> <td>           15.            Vacant - regular            Vacant - storage of h'hd furniture            Temp. occ. by persons with URE            Unfit or to be demolished            Under construction, not ready to temp. business or storage            Occ. by Armed Force members or persons under 14            Unoccupied tent site or trailer site Permit granted, construction not started            Other (Specify below)         </td> <td>           Demolished            House or trailer moved            Outside segment            Converted to permanent business or storage            Merged            Condemned            Built after April 1, 1980            Unused line of listing sheet            Other (Describe below)         </td> </tr> </table>		TYPE A	TYPE B	TYPE C (Send Inter Comm.)	14. (Mark reason and race.) Vacant - regular Vacant - storage of h'hd furniture Temp. occ. by persons with URE Temporarily absent Refused Other - Occ. (Describe below)	15. Vacant - regular Vacant - storage of h'hd furniture Temp. occ. by persons with URE Unfit or to be demolished Under construction, not ready to temp. business or storage Occ. by Armed Force members or persons under 14 Unoccupied tent site or trailer site Permit granted, construction not started Other (Specify below)	Demolished House or trailer moved Outside segment Converted to permanent business or storage Merged Condemned Built after April 1, 1980 Unused line of listing sheet Other (Describe below)	<b>16. This unit is intended for occupancy:</b> Year round By migratory workers Seasonally  <b>17. This unit is intended for occupancy:</b> Summers only Winters only Other (Describe below)	
REASON	RACE																						
No one home	White																						
Temporarily absent	Black																						
Refused	All other																						
Other - Occ. (Describe below)																							
TYPE A	TYPE B	TYPE C (Send Inter Comm.)																					
14. (Mark reason and race.) Vacant - regular Vacant - storage of h'hd furniture Temp. occ. by persons with URE Temporarily absent Refused Other - Occ. (Describe below)	15. Vacant - regular Vacant - storage of h'hd furniture Temp. occ. by persons with URE Unfit or to be demolished Under construction, not ready to temp. business or storage Occ. by Armed Force members or persons under 14 Unoccupied tent site or trailer site Permit granted, construction not started Other (Specify below)	Demolished House or trailer moved Outside segment Converted to permanent business or storage Merged Condemned Built after April 1, 1980 Unused line of listing sheet Other (Describe below)																					

				**13A. INTERVIEWER CHECK ITEM**   Telephone Hold   (Fill circle for office "telephone hold" cases only)									
**TRANSCRIPTION ITEMS**   Fill for interviewed households only. (If continuation CPS-1's required, only fill on first CPS-1 each month.)													
**27A. TENURE**   (Transcribe from CC item 10)   Owned or being bought   Rented   No cash rent		**28A. Telephone in Household**   (Transcribe from C.C. item 27a)   Yes I (Ship to 29c)   No E (Fill 29b)		**29. NUMBER OF CONTACTS - ACTUAL AND ATTEMPTED** (Transcribe from C.C. item 31)   Personal   Telephone		**30. TIME OF INTERVIEW** (Mark the time period in which the majority of the labor force interview was obtained or noninterview classification was determined.)   Midnight to 6 a.m.   6 to 9 a.m.   9 a.m. to Noon   Noon to 3 p.m.   3 to 6 p.m.   6 to 9 p.m.   9 p.m. to Midnight		**NOTES:**					
**27B. HOUSEHOLD STATUS CHANGE**   Is this a replacement household this month?   Yes   No		**28B. Telephone Available**   (Transcribe from C.C. item 27b)   Yes I (Fill 29c)   No E (Ship to 30)		**31. TIME OF INTERVIEW** (Mark the time period in which the majority of the labor force interview was obtained or noninterview classification was determined.)   Midnight to 6 a.m.   6 to 9 a.m.   9 a.m. to Noon   Noon to 3 p.m.   3 to 6 p.m.   6 to 9 p.m.   9 p.m. to Midnight		**REMEMBER**   Fill items 18A-18K on pages 2, 5, 7, 9, and 11.							
**28. TOTAL FAMILY INCOME**   (Transcribe from CC item 29)   01 05 09 13   02 06 10 14   03 07 11 29   04 08 12		**29C. Telephone Interview Acceptable**   (Transcribe from C.C. item 27c)   Yes I (Fill 30)   No E				**OFFICE USE ONLY**  **REINTERVIEWER**   Program supervisor   Alternate   Supervisory field representative   Other		**CODER NUMBER**   A B C D E F G H J K L M   0 1 2 3 4 5 6 7 8 9					

<b>18. LINE NUMBER</b>  <b>19. What was ... doing most of LAST WEEK -</b> Working <input checked="" type="checkbox"/> Keeping house <input type="checkbox"/> Going to school or something else? <input type="checkbox"/>  Working (Skip to 20A.) <input type="checkbox"/> With a job but not at work <input type="checkbox"/> Looking for work <input type="checkbox"/> Keeping house <input type="checkbox"/> Going to school <input type="checkbox"/> Unable to work (Skip to 24C) <input type="checkbox"/> Retired <input type="checkbox"/> Other (Specify) <input type="checkbox"/> OT	<b>20. Did ... do any work at all LAST WEEK, not counting work around the house?</b> (Note: If farm or business operator or in job, ask about unpaid work.) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Go to 21)	<b>21. (If ) in 19, skip to 21A.)</b> Did ... have a job or business from which he/she was temporarily absent or on layoff LAST WEEK? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Go to 22)	<b>22. (If LK in 19, Skip to 22A.)</b> Has ... been looking for work during the past 4 weeks? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Go to 24)	<b>24. INTERVIEWER CHECK ITEM</b> (Rotation number) First digit of SEGMENT number is: 2, 3, 4, 6, 7 or 8 (Skip to 26) 1 or 5 (Go to 24A)	<b>25. INTERVIEWER CHECK ITEM</b> (Rotation number) First digit of SEGMENT number is: 2, 3, 4, 6, 7 or 8 (Skip to 26) 1 or 5 (Go to 25A)		
<b>20A. How many hours did ... work LAST WEEK at all jobs?</b> 1-34 <input type="checkbox"/> (Go to 20C) 35-48 <input type="checkbox"/> (Go to 20D)	<b>20B. INTERVIEWER CHECK ITEM</b> 29 <input type="checkbox"/> (Skip to item 23) 1-34 <input type="checkbox"/> (Go to 20C) 35-48 <input type="checkbox"/> (Go to 20D)	<b>21A. Why was ... absent from work LAST WEEK?</b> Own illness <input type="checkbox"/> On vacation <input type="checkbox"/> Bad weather <input type="checkbox"/> Labor dispute <input type="checkbox"/> New job to begin within 30 days <input type="checkbox"/> (Skip to 22B and 22C) Temporary layoff (Under 30 days) <input type="checkbox"/> Indefinite layoff (30 days or more or no def. recall date) <input type="checkbox"/> (Skip to 22C) Other (Specify) <input type="checkbox"/>	<b>22A. What has ... been doing in the last 4 weeks to find work? (Mark all methods used; do not read list.)</b> Checked out, employ. agency with <input type="checkbox"/> Pvt. employ. agency <input type="checkbox"/> Employer directly <input type="checkbox"/> Friends or relatives <input type="checkbox"/> Placed or answered ads. <input type="checkbox"/> Nothing (Skip to 24) <input type="checkbox"/> Other (Specify in notes, e.g., TPA, union or prof. register, etc.) <input type="checkbox"/>	<b>24A. When did ... last work for pay at a regular job or business, either full- or part-time?</b> Within past 12 months <input checked="" type="checkbox"/> 1 up to 2 years ago <input type="checkbox"/> 2 up to 3 years ago <input type="checkbox"/> (Go to 24B) 3 up to 4 years ago <input type="checkbox"/> 4 up to 5 years ago <input type="checkbox"/> 5 or more years ago <input type="checkbox"/> (Skip to 24C) Never worked <input type="checkbox"/>	<b>25A. How many hours per week does ... USUALLY work at this job?</b> 1-34 <input type="checkbox"/> 35-48 <input type="checkbox"/>		
<b>20C. Does ... USUALLY work 35 hours or more a week at this job?</b> Yes <input type="checkbox"/> What is the reason ... worked less than 35 hours LAST WEEK? No <input checked="" type="checkbox"/> What is the reason ... USUALLY works less than 35 hours a week? (Mark the appropriate reason) Slack work <input type="checkbox"/> Material shortage <input type="checkbox"/> Plant or machine repair <input type="checkbox"/> New job started during week <input type="checkbox"/> Job terminated during week <input type="checkbox"/> Could find only part-time work <input type="checkbox"/> Holiday (Legal or religious) <input type="checkbox"/> Labor dispute <input type="checkbox"/> Bad weather <input type="checkbox"/> Own illness <input type="checkbox"/> On vacation <input type="checkbox"/> Too busy with housework, school, personal bus., etc. <input type="checkbox"/> Did not want full-time work <input type="checkbox"/> Full-time work week under 35 hours <input type="checkbox"/> Other reason (Specify) <input type="checkbox"/> (Skip to 23 and enter job worked at last week)	<b>20D. Did ... lose any time or take any time off LAST WEEK for any reason such as illness, holiday or slack work?</b> Yes <input type="checkbox"/> How many hours did ... take off? No <input checked="" type="checkbox"/> (Correct 20A if lost time not already deducted; if 20A reduced below 35, correct 20B and fill 20C) <b>20E. Did ... work any overtime or at more than one job LAST WEEK?</b> Yes <input type="checkbox"/> How many extra hours did ... work? No <input checked="" type="checkbox"/> (Correct 20A and 20B as necessary if extra hours not already included and skip to 23.) (Skip to 23)	<b>21B. Is ... receiving wages or salary from his/her employer for any of the time off LAST WEEK?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>22B. 1) How many weeks has ... been looking for work?</b> 2) How many weeks ago did ... start looking for work? 3) How many weeks ago was ... laid off? <b>22C. Has ... been looking for full-time or part-time work?</b> Full <input type="checkbox"/> Part <input checked="" type="checkbox"/> <b>22E. Could ... have taken a job LAST WEEK if one had been offered?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Why not? Already has a job <input type="checkbox"/> Temporary illness <input type="checkbox"/> Going to school <input type="checkbox"/> Other (Specify in notes) <input type="checkbox"/>	<b>24B. Why did ... leave that job?</b> Personal, family (incl. pregnancy) or school <input type="checkbox"/> Health <input type="checkbox"/> Retirement or old age <input type="checkbox"/> Seasonal job completed <input type="checkbox"/> Slack work or business conditions <input type="checkbox"/> Temporary nonseasonal job completed <input type="checkbox"/> Unsatisfactory work arrangements (Hours, pay, etc.) <input type="checkbox"/> Other <input type="checkbox"/>	<b>25B. Is ... paid by the hour on this job?</b> Yes <input type="checkbox"/> (Go to 25C) No <input checked="" type="checkbox"/> (Skip to 25D) <b>25C. How much does ... earn per hour?</b> Dollars <input type="text"/> Cents <input type="text"/> (Skip 25D) REF <input type="checkbox"/>		
<b>23. DESCRIPTION OF JOB OR BUSINESS</b> <b>23A. For whom did ... work? (Name of company, business, organization or other employer.)</b> <b>23B. What kind of business or industry is this? (For example: TV and radio mfg., retail shoe store, State Labor Dept., farm.)</b> <b>23C. What kind of work was ... doing? (For example: electrical engineer, stock clerk, typist, farmer.)</b> <b>23D. What were ...'s most important activities or duties at this job? (For example: types, keeps account books, files, sells cars, operates printing press, finishes concrete.)</b>						<b>23E. Was this person</b> An employee of a PRIVATE Co., bus., or individual for wages, salary or comm. <input type="checkbox"/> P A FEDERAL government employee <input type="checkbox"/> F A STATE government employee <input type="checkbox"/> S A LOCAL government employee <input type="checkbox"/> L Self-empl. in OWN bus., prof. practice, or farm <input type="checkbox"/> Is the business incorporated? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> SE Working WITHOUT PAY in farm, bus. or farm <input type="checkbox"/> WP NEVER WORKED <input type="checkbox"/> NEV (Go to 23F) (Skip to 26)	<b>23F. INTERVIEWER CHECK ITEM</b> Entry (or NA) in item 20A <input type="checkbox"/> (Go to 25 at top of page) Entry (or NA) in item 21B <input type="checkbox"/> All other cases <input type="checkbox"/> (Skip to 26)

18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PAR'S LINE NO.	18D. AGE	18E. MARITAL STATUS	18F. SPOUSE'S LINE NUMBER	18G1. SEX Male <input checked="" type="checkbox"/> Female <input checked="" type="checkbox"/>	18H. HIGHEST GRADE ATTENDED	18I. GRADE COMPLETED	18J. RACE	18K. ORIGIN
	Ref. Person WITH rel. in H'ld. .... 01			Married— spouse present		18G2. VETERAN STATUS		Yes <input type="checkbox"/>	White	
	Ref. person with NO rel. in H'ld. .... 02			Married— spouse absent (Exclude separated)		Veteran <input checked="" type="checkbox"/>		No <input type="checkbox"/>	Black	
	Husband ..... 03			Widowed		Vietnam Era			Amer. Indian, Aleut, Eskimo	
	Wife ..... 04			Divorced		Korean War			Asian or Pacific Isl.	
	Natural/Adopted Child ..... 05			Separated		World War II			Other	
	Step Child ..... 06			Never married		World War I				
	Grandchild ..... 07					Other Service				
	Parent ..... 08					Nonveteran				
	Brother/Sister ..... 09									
	Other Rel. of Ref. Person ..... 10									
	Foster Child ..... 11									
	Non-rel. of Ref. Person WITH OWN rel. in H'ld. .... 12	None			None					
	Partner/Roommate Non-rel. of Ref. Person (other than partner/ roommate) with NO OWN rel. in H'ld. .... 14									

26. INTERVIEWER CHECK ITEM (Transcribe from control card item 18) This person is 15–24 years of age (Ask 26A) All others (Skip to 26C)	SUPPLEMENT QUESTIONS OMB NO. 0607–0466—Expires Jan. 31, 1989	
26A. (If 'School' in 19. Verify) LAST WEEK was ... attending or enrolled in a high school, college, or university? (Mark 'Yes' if currently on holiday or seasonal vacation. Mark 'No' for summer vacation.) Yes (Verify) No (Skip to 26C) High School (Ask 26B) College or Univ. <input checked="" type="checkbox"/>	32. INTERVIEWER CHECK ITEM (C.C. item 18) This person is 18 years or older (Ask item 33) All others (Skip to item 38)	38. INTERVIEWER CHECK ITEM Entry in C.C. Item 24 is Code 4, Asian or Pacific Islander (Ask item 39) All others (Skip to item 40)
26B. Is ... enrolled in school as a full-time or part-time student? Full time (Ask 26C) Part time <input type="checkbox"/>	LEAD-IN: This month we have some questions concerning voting and registration.	39. What is ...'s specific Asian or Pacific Islander group? Chinese Filipino Japanese Asian Indian Korean Vietnamese Laotian, Cambodian, Hmong Other Asian (for example, Thai, Pakistani, Sri Lankan, Burmese) Hawaiian Other Pacific Islander (for example, Samoan, Guamanian, Tongan)
26C. INTERVIEWER CHECK ITEM Who responded to the labor force items for this person? Self Other Self/Other <input checked="" type="checkbox"/>	33. Is ... a citizen of the United States? Yes (Ask 34) No (Skip to 38) Don't know (Ask 34)	
REMEMBER: ASK THE LABOR FORCE QUESTIONS FOR ALL HOUSEHOLD MEMBERS 14+ YRS OLD BEFORE ASKING THE SUPPLEMENT QUESTIONS	34. In any election some people are not able to vote because they are sick or busy or have some other reason, and others do not want to vote. Did ... vote in the election held on November 8? Yes (Skip to 36) No (Ask 35) Don't know <input checked="" type="checkbox"/>	40. INTERVIEWER CHECK ITEM Who reported for this person? Self Other <input checked="" type="checkbox"/>
	35. Was ... registered to vote in the November 8th election? Yes (Ask 36) No (Skip to 38) Don't know <input type="checkbox"/>	
	36. Did ... register specifically for this election or was ... already registered? Registered for this election (Ask 37) Already registered (Skip to 38)	
	37. Was this the first time ... ever registered? Yes (Fill item 38) No (Fill item 38) Don't know <input type="checkbox"/>	IF THIS IS THE LAST PERSON AGE 14+ AND THERE ARE CHILDREN AGE 13 OR UNDER IN THE HOUSEHOLD, GO TO ITEM 38 ON PAGE 2. OTHERWISE, END QUESTIONS.



<b>18. LINE NUMBER</b>  19. What was ... going most of LAST WEEK - Working <input checked="" type="checkbox"/> Keeping house <input type="checkbox"/> Going to school or something else? <input type="checkbox"/>  Working (Skip to 20A) ... WK With a job but not at work ... Looking for work ... LK Keeping house ... H Going to school ... S Unable to work (Skip to 24) ... U Retired ... R Other (Specify) ... OT	20. Did ... do any work at all LAST WEEK, not counting work around the house? (Note: If farm or business operator in job, ask about unpaid work.) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Go to 21)  20A. How many hours did ... work LAST WEEK at all jobs? 1-34 <input type="text"/> (Go to 20C) 35-48 <input type="text"/> (Go to 20D)  20D. Did ... USUALLY work 35 hours or more a week at this job? Yes <input type="checkbox"/> What is the reason ... worked less than 35 hours LAST WEEK? No <input type="checkbox"/> What is the reason ... USUALLY works less than 35 hours a week? (Mark the appropriate reason) Slack work ... Material shortage ... Plant or machine repair ... New job started during week ... Job terminated during week ... Could find only part-time work ... Holiday (Legal or religious) ... Labor dispute ... Bad weather ...  Own illness ... On vacation ... Too busy with housework, school, personal bus., etc. ... Did not want full-time work ... Full-time work week under 35 hours ... Other reason (Specify) ... (Skip to 23 and enter job worked at last week)	21. (If in 19, skip to 21A.) Did ... have a job or business from which he/she was temporarily absent or on layoff LAST WEEK? Yes <input type="checkbox"/> No <input type="checkbox"/> (Go to 22)  21A. Why was ... absent from work LAST WEEK? Own illness ... On vacation ... Bad weather ... Labor dispute ... New job to begin within 30 days (Skip to 22B and 22C2) Temporary layoff (Under 30 days) Indefinite layoff (30 days or more or no def. recall date) (Skip to 22C3) Other (Specify) ...  21B. Is ... receiving wages or salary from his/her employer for any of the time off LAST WEEK? Yes <input type="checkbox"/> No <input type="checkbox"/>  21C. Does ... usually work 35 hours or more a week at this job? Yes <input type="checkbox"/> No <input type="checkbox"/> (Skip to 23 and enter job held last week)	22. (If LK in 19, Skip to 22A.) Has ... been looking for work during the past 4 weeks? Yes <input type="checkbox"/> No <input type="checkbox"/> (Go to 24)  22A. What has ... been doing in the last 4 weeks to find work? (Mark all methods used; do not read list.) Checked pub. employ. agency with- pub. employ. agency employer directly friends or relatives Placed or answered ads ... Nothing (Skip to 24) Other (Specify in notes, e.g., TPA, union or prof. register, etc.) ...  22B. At the time ... started looking for work, was it because he/she lost or quit a job or was there some other reason? • Lost job ... • Quit job ... • Left school ... • Wanted temporary work ... • Change in home or family responsibilities ... • Left military service ... • Other (Specify in notes) ...  22C. 1) How many weeks has ... been looking for work? 2) How many weeks ago did ... start looking for work? 3) How many weeks ago was ... laid off?  22D. Has ... been looking for full-time or part-time work? Full <input type="checkbox"/> Part <input type="checkbox"/>  22E. Could ... have taken a job LAST WEEK if one had been offered? Yes <input type="checkbox"/> No <input type="checkbox"/> Why not? Already has a job ... Temporary illness ... Going to school ... Other (Specify in notes) ...  22F. When did ... last work at a full-time job or business lasting 2 consecutive weeks or more? Within last 12 months (Specify) ... (Month) ... One to five years ago ... More than five years ago ... Never worked full-time 2 wks. or more ... Never worked at all ... (SKIP to 23. If layoff entered in 21A, enter job, either full or part time, from which laid off. Else enter last full time job lasting 2 weeks or more, or "Never worked.")	<b>24. INTERVIEWER CHECK ITEM</b> (Rotation number) First digit of SEGMENT number is: 2, 3, 4, 6, 7 or 8 (Skip to 26) 1 or 5 (Go to 24A)  24A. When did ... last work for pay at a regular job or business, either full- or part-time? Within past 12 months <input checked="" type="checkbox"/> 1 up to 2 years ago <input type="checkbox"/> 2 up to 3 years ago <input type="checkbox"/> (Go to 24B) 3 up to 4 years ago <input type="checkbox"/> 4 up to 5 years ago <input type="checkbox"/> 5 or more years ago <input type="checkbox"/> (Skip to 24C) Never worked at ...  24B. Why did ... leave that job? Personal, family (Incl. pregnancy) or school ... Health ... Retirement or old age ... Seasonal job completed ... Slack work or business conditions ... Temporary nonseasonal job completed ... Unsatisfactory work arrangements (Hours, pay, etc.) ... Other ...  24C. Does ... want a regular job now, either full- or part-time? Yes <input type="checkbox"/> (Go to 24D) Maybe - it depends (Specify in notes) ... No <input type="checkbox"/> (Skip to 24E) Don't know ...  24D. What are the reasons ... is not looking for work? (Mark each reason mentioned) • Believes no work available in line of work or area ... • Couldn't find any work ... • Lacks nec. schooling, training, skills or experience ... • Employers think too young or too old ... • Other pers. handicap in finding job ... • Can't arrange child care ... • Family responsibilities ... • In school or other training ... • Ill health, physical disability ... • Other (Specify in notes) ... • Don't know ...  24E. Does ... intend to look for work of any kind in the next 12 months? Yes <input type="checkbox"/> It depends (Specify in notes) ... No <input type="checkbox"/> Don't know (If entry in 24B, describe job in 23, otherwise, skip to 26)	<b>25. INTERVIEWER CHECK ITEM</b> (Rotation number) First digit of SEGMENT number is: 2, 3, 4, 6, 7 or 8 (Skip to 26) 1 or 5 (Go to 25A)  25A. How many hours per week does ... USUALLY work at this job? 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/>  25B. Is ... paid by the hour on this job? Yes <input type="checkbox"/> (Go to 25C) No <input type="checkbox"/> (Skip to 25D)  25C. How much does ... earn per hour? Dollars <input type="text"/> Cents <input type="text"/> REF <input type="checkbox"/>  25D. How much does ... USUALLY earn per week at this job BEFORE deductions? Include any overtime pay, commissions, or tips usually received. \$ <input type="text"/> REF <input type="checkbox"/>  25E. On this job, is ... a member of a labor union or of an employee association similar to a union? Yes <input type="checkbox"/> (Skip to 26) No <input type="checkbox"/> (Ask 25F)  25F. On this job, is ... covered by a union or employee association contract? Yes <input type="checkbox"/> (Go to 26) No <input type="checkbox"/>		
<b>23. DESCRIPTION OF JOB OR BUSINESS</b> 23A. For whom did ... work? (Name of company, business, organization or other employer.) 23B. What kind of business or industry is this? (For example: TV and radio mfg., retail shoe store, State Labor Dept., bank.) 23C. What kind of work was ... doing? (For example: electrical engineer, stock clerk, typist, farmer.) 23D. What were ...'s most important activities or duties at this job? (For example: types, keeps account books, files, sells cars, operates printing press, finishes concrete.)						23E. Was this person an employee of a PRIVATE Co., bus., or individual for wages, salary or comm. ... P <input type="checkbox"/> A FEDERAL government employee ... F <input type="checkbox"/> (Go to 23F) A STATE government employee ... S <input type="checkbox"/> A LOCAL government employee ... L <input type="checkbox"/> Self-empl. in OWN bus., prof. practice, or farm ... Is the business incorporated? Yes <input type="checkbox"/> No <input type="checkbox"/> SE <input type="checkbox"/> (Skip to 26) Working WITHOUT PAY in fam. bus. or farm ... WP <input type="checkbox"/> NEVER WORKED ... NEV <input type="checkbox"/>	<b>23F. INTERVIEWER CHECK ITEM</b> Entry for (NA) in item 20A <input type="checkbox"/> (Go to 25 at top of page) Entry for (NA) in item 21B <input type="checkbox"/> All other cases <input type="checkbox"/> (Skip to 26)

18A. LINE NO.	<b>18B. RELATIONSHIP TO REFERENCE PERSON</b> Ref. Person WITH rel. in H'ld. .... 01 <input type="checkbox"/> Ref. person with NO rel. in H'ld. .... 02 <input type="checkbox"/> Husband ..... 03 <input type="checkbox"/> Wife ..... 04 <input type="checkbox"/> Natural/Adopted Child ..... 05 <input type="checkbox"/> Step Child ..... 06 <input type="checkbox"/> Grandchild ..... 07 <input type="checkbox"/> Parent ..... 08 <input type="checkbox"/> Brother/Sister ..... 09 <input type="checkbox"/> Other Rel. of Ref. Person ..... 10 <input type="checkbox"/> Foster Child ..... 11 <input type="checkbox"/> Non-rel. of Ref. Person WITH OWN rel. in H'ld. .... 12 <input type="checkbox"/> Partner/Roommate ..... 13 <input type="checkbox"/> Non-rel. of Ref. Person (other than partner/ roommate) with NO OWN rel. in H'ld. .... 14 <input type="checkbox"/>	18C. PAR'S LINE NO.	18D. AGE	18E. MARITAL STATUS	18F. SPOUSE'S LINE NUMBER	18G1. SEX Male <input type="checkbox"/> 1 Female <input checked="" type="checkbox"/> 2 18G2. VETERAN STATUS Veteran <input checked="" type="checkbox"/> 1 Vietnam Era Korean War World War II World War I Other Service Nonveteran <input type="checkbox"/> 2	18H. HIGHEST GRADE ATTENDED	18I. GRADE COMPLETED	18J. RACE	18K. ORIGIN
									White <input type="checkbox"/> Black <input type="checkbox"/> Amer. Indian Aleut/Eskimo <input type="checkbox"/> Asian or Pacific Isl. <input type="checkbox"/> Other <input checked="" type="checkbox"/>	

<b>25. INTERVIEWER CHECK ITEM</b> <i>(Transcribe from control card item 18)</i> This person is 16-24 years of age <input type="checkbox"/> (Ask 26A) All others <input type="checkbox"/> (Skip to 26C)	SUPPLEMENT QUESTIONS OMB NO. 0607-0466-Expires Jan. 31, 1989	
<b>26A. (If "School" in 19, Verify) LAST WEEK was</b> attending or enrolled in a high school, college, or university? (Mark "Yes" if currently on holiday or seasonal vacation. Mark "No" for summer vacation.) Yes (Verify) <input checked="" type="checkbox"/> No <input type="checkbox"/> (Skip to 26C) High School <input type="checkbox"/> (Ask 26B) College or Univ. <input type="checkbox"/>	<b>32. INTERVIEWER CHECK ITEM (C.C. item 18)</b> This person is 18 years or older <input type="checkbox"/> (Ask item 33) All others <input type="checkbox"/> (Skip to item 38)	<b>38. INTERVIEWER CHECK ITEM</b> Entry in C.C. item 24 is Code 4, Asian or Pacific Islander <input type="checkbox"/> (Ask item 39) All others <input type="checkbox"/> (Skip to item 40)
<b>26B. (If "School" in 19, Verify) LAST WEEK was</b> attending or enrolled in a high school, college, or university? (Mark "Yes" if currently on holiday or seasonal vacation. Mark "No" for summer vacation.) Yes (Verify) <input checked="" type="checkbox"/> No <input type="checkbox"/> (Skip to 26C) High School <input type="checkbox"/> (Ask 26B) College or Univ. <input type="checkbox"/>	<b>33. Is ... a citizen of the United States?</b> Yes <input type="checkbox"/> (Ask 34) No <input type="checkbox"/> (Skip to 38) Don't know <input type="checkbox"/> (Ask 34)	<b>39. What is ...'s specific Asian or Pacific Islander group?</b> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Asian Indian <input checked="" type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Laotian, Cambodian, Hmong <input type="checkbox"/> Other Asian (for example, Thai, Pakistani, Sri Lankan, Burmese) <input type="checkbox"/> Hawaiian <input type="checkbox"/> Other Pacific Islander (for example, Samoan, Guamanian, Tongan) <input type="checkbox"/>
<b>26C. INTERVIEWER CHECK ITEM</b> Who responded to the labor force items for this person? Self <input type="checkbox"/> Other <input checked="" type="checkbox"/> Self/Other <input type="checkbox"/>	<b>34. In any election some people are not able to vote because they are sick          or busy or have some other reason, and others do not want to vote.</b> Did ... vote in the election held on November 8? Yes <input type="checkbox"/> (Skip to 36) No <input type="checkbox"/> (Ask 35) Don't know <input type="checkbox"/>	<b>40. INTERVIEWER CHECK ITEM</b> Who reported for this person? Self <input type="checkbox"/> Other <input checked="" type="checkbox"/>
<b>REMEMBER: ASK THE LABOR FORCE QUESTIONS          FOR ALL HOUSEHOLD MEMBERS 14+ YRS OLD          BEFORE ASKING THE SUPPLEMENT QUESTIONS</b>	<b>35. Was ... registered to vote in the November 8th election?</b> Yes <input type="checkbox"/> (Ask 36) No <input type="checkbox"/> (Skip to 38) Don't know <input type="checkbox"/>	<b>37. Was this the first time ... ever registered?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> (Fill item 38) Don't know <input type="checkbox"/>
	<b>36. Did ... register specifically for this election or was ... already registered?</b> Registered for this election <input type="checkbox"/> (Ask 37) Already registered <input type="checkbox"/> (Skip to 38)	<b>IF THIS IS THE LAST PERSON AGE 14+ AND THERE          ARE CHILDREN AGE 13 OR UNDER IN THE HOUSEHOLD,          GO TO ITEM 38 ON PAGE 2. OTHERWISE, END QUESTIONS.</b>

<b>18. LINE NUMBER</b>  19. What was ... doing most of LAST WEEK - Working <input checked="" type="checkbox"/> Keeping house <input type="checkbox"/> Going to school <input type="checkbox"/> or something else? <input type="checkbox"/>  Working (Ship to 20A) <input type="checkbox"/> A.K. With a job but not at work <input type="checkbox"/> L.K. Looking for work <input type="checkbox"/> L.K. Keeping house <input type="checkbox"/> H. Going to school <input type="checkbox"/> S. Unable to work (Ship to 24) <input type="checkbox"/> U. Retired <input type="checkbox"/> R. Other (Specify) <input type="checkbox"/> OT	20. Did ... do any work at all LAST WEEK, not counting work around the house? (Note: If farm or business operator in h.h., ask about unpaid work.) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Go to 21)	21. (If in 19, ship to 21A.) Did ... have a job or business from which he/she was temporarily absent or on layoff LAST WEEK? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Go to 22)	22. (If L.K. in 19, ship to 22A.) Has ... been looking for work during the past 4 weeks? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Go to 24)	<b>24. INTERVIEWER CHECK ITEM</b> (Rotation number) First digit of SEGMENT number is: 2, 3, 4, 6, 7 or 8 (Ship to 26) 1 or 5 (Go to 24A)	<b>25. INTERVIEWER CHECK ITEM</b> (Rotation number) First digit of SEGMENT number is: 2, 3, 4, 6, 7 or 8 (Ship to 26) 1 or 5 (Go to 25A)
20C. Does ... USUALLY work 35 hours or more a week at this job? Yes <input type="checkbox"/> What is the reason ... worked less than 35 hours LAST WEEK? No <input checked="" type="checkbox"/> What is the reason ... USUALLY works less than 35 hours a week? (Mark the appropriate reason) Slack work <input type="checkbox"/> Material shortage <input type="checkbox"/> Plant or machine repair <input type="checkbox"/> New job started during week <input type="checkbox"/> Job terminated during week <input type="checkbox"/> Could find only part-time work <input type="checkbox"/> Holiday (Legal or religious) <input type="checkbox"/> Labor dispute <input type="checkbox"/> Bad weather <input type="checkbox"/> Own illness <input type="checkbox"/> On vacation <input type="checkbox"/> Too busy with housework, school, personal bus., etc. <input type="checkbox"/> Did not want full-time work <input type="checkbox"/> Full-time work week under 35 hours <input type="checkbox"/> Other reason (Specify) <input type="checkbox"/>	20A. How many hours did ... work LAST WEEK at all jobs? 20B. INTERVIEWER CHECK ITEM 49 <input type="checkbox"/> (Ship to item 23) 1-34 <input type="checkbox"/> (Go to 20C) 35-48 <input type="checkbox"/> (Go to 20D)	21A. Why was ... absent from work LAST WEEK? Own illness <input type="checkbox"/> On vacation <input type="checkbox"/> Bad weather <input type="checkbox"/> Labor dispute <input type="checkbox"/> New job to begin within 30 days <input type="checkbox"/> (Ship to 22B and 22C2) Temporary layoff (Under 30 days) <input type="checkbox"/> Indefinite layoff (30 days or more or no def. recall date) <input type="checkbox"/> (Ship to 22C3) Other (Specify) <input type="checkbox"/>	22A. What has ... been doing in the last 4 weeks to find work? (Mark all methods used; do not read list.) Checked <input type="checkbox"/> job employment agency with <input type="checkbox"/> job employment agency Placed or answered ads <input type="checkbox"/> Nothing (Ship to 24) <input type="checkbox"/> Other (Specify in notes, e.g., TPA, union or prof. registrar, etc.) <input type="checkbox"/>	24A. When did ... last work for pay at a regular job or business, either full- or part-time? Within past 12 months <input type="checkbox"/> 1 to 2 years ago <input type="checkbox"/> 2 to 3 years ago <input type="checkbox"/> (Go to 24B) 3 to 4 years ago <input type="checkbox"/> 4 to 5 years ago <input type="checkbox"/> 5 or more years ago <input type="checkbox"/> (Ship to 24C) Never worked <input type="checkbox"/>	25A. How many hours per week does ... USUALLY work at this job? 25B. Is ... paid by the hour on this job? Yes <input type="checkbox"/> (Go to 25C) No <input type="checkbox"/> (Ship to 25D)
20D. Did ... lose any time or take any time off LAST WEEK for any reason such as illness, holiday or slack work? Yes <input type="checkbox"/> How many hours did ... take off? (Correct 20A if lost time not already deducted; if 20A reduced below 35, correct 20B and fill 20C) No <input checked="" type="checkbox"/>	20E. Did ... work any overtime or at more than one job LAST WEEK? Yes <input type="checkbox"/> How many extra hours did ... work? (Correct 20A and 20B as necessary if extra hours not already included and ship to 23.) No <input checked="" type="checkbox"/> (Ship to 23)	21B. Is ... receiving wages or salary from his/her employer for any of the time off LAST WEEK? Yes <input type="checkbox"/> No <input type="checkbox"/>	22B. At the time ... started looking for work, was it because he/she lost or quit a job or was there some other reason? Lost job <input type="checkbox"/> Quit job <input type="checkbox"/> Left school <input type="checkbox"/> Wanted temporary work <input type="checkbox"/> Change in home or family responsibilities <input type="checkbox"/> Left military service <input type="checkbox"/> Other (Specify in notes) <input type="checkbox"/>	24B. Why did ... leave that job? Personal, family (incl. pregnancy) or school <input type="checkbox"/> Health <input type="checkbox"/> Retirement or old age <input type="checkbox"/> Seasonal job completed <input type="checkbox"/> Slack work or business conditions <input type="checkbox"/> Temporary, nonseasonal job completed <input type="checkbox"/> Unsatisfactory work arrangements (Hours, pay, etc.) <input type="checkbox"/> Other <input type="checkbox"/>	25C. How much does ... earn per hour? Dollars <input type="text"/> Cents <input type="text"/> 25D. How much does ... USUALLY earn per week at this job BEFORE deductions? (Include any overtime pay, commissions, or tips usually received.) Dollars <input type="text"/> Cents <input type="text"/> REF
20F. Does ... want a regular job now, either full- or part-time? Yes <input type="checkbox"/> (Go to 24D) Maybe - it depends (Specify in notes) <input type="checkbox"/> No <input type="checkbox"/> (Ship to 24E) Don't know <input type="checkbox"/>	20F. Does ... want a regular job now, either full- or part-time? Yes <input type="checkbox"/> (Go to 24D) Maybe - it depends (Specify in notes) <input type="checkbox"/> No <input type="checkbox"/> (Ship to 24E) Don't know <input type="checkbox"/>	21C. Does ... usually work 35 hours or more a week at this job? Yes <input type="checkbox"/> No <input type="checkbox"/>	22C. 1) How many weeks has ... been looking for work? 2) How many weeks ago did ... start looking for work? 3) How many weeks ago was ... laid off? 22D. Has ... been looking for full-time or part-time work? Full <input type="checkbox"/> Part <input type="checkbox"/>	24C. Does ... want a regular job now, either full- or part-time? Yes <input type="checkbox"/> (Go to 24D) Maybe - it depends (Specify in notes) <input type="checkbox"/> No <input type="checkbox"/> (Ship to 24E) Don't know <input type="checkbox"/>	25E. On this job, is ... a member of a labor union or of an employee association similar to a union? Yes <input type="checkbox"/> (Ship to 26) No <input type="checkbox"/> (Ask 25F)
20G. Did ... work any overtime or at more than one job LAST WEEK? Yes <input type="checkbox"/> How many extra hours did ... work? (Correct 20A and 20B as necessary if extra hours not already included and ship to 23.) No <input checked="" type="checkbox"/> (Ship to 23)	20H. Did ... work any overtime or at more than one job LAST WEEK? Yes <input type="checkbox"/> How many extra hours did ... work? (Correct 20A and 20B as necessary if extra hours not already included and ship to 23.) No <input checked="" type="checkbox"/> (Ship to 23)	21D. Does ... usually work 35 hours or more a week at this job? Yes <input type="checkbox"/> No <input type="checkbox"/>	22E. Could ... have taken a job LAST WEEK if one had been offered? Yes <input type="checkbox"/> No <input type="checkbox"/> Why not? Almost has a job <input type="checkbox"/> Temporary plans <input type="checkbox"/> Going to school <input type="checkbox"/> Other (Specify in notes) <input type="checkbox"/>	24D. What are the reasons ... is not looking for work? (Mark each reason mentioned) Believes no work available in line of work or area <input type="checkbox"/> Couldn't find any work <input type="checkbox"/> Lacks nec. schooling, training, skills or experience <input type="checkbox"/> Employers think too young or too old <input type="checkbox"/> Other pers. handicap in finding job <input type="checkbox"/> Can't arrange child care <input type="checkbox"/> Family responsibilities <input type="checkbox"/> In school or other training <input type="checkbox"/> Ill health, physical disability <input type="checkbox"/> Other (Specify in notes) <input type="checkbox"/> Don't know <input type="checkbox"/>	25F. On this job, is ... covered by a union or employee association contract? Yes <input type="checkbox"/> (Go to 26) No <input type="checkbox"/>
<b>23. DESCRIPTION OF JOB OR BUSINESS</b> 23A. For whom did ... work? (Name of company, business, organization or other employer.) 23B. What kind of business or industry is this? (For example: TV and radio mfg., retail shoe store, Sears Labor Dept., farm.) 23C. What kind of work was ... doing? (For example: electrical engineer, stock clerk, typist, farmer.) 23D. What were ...'s most important activities or duties at this job? (For example: types, keeps accounts books, sells cars, operates printing press, finishes concrete.)					
23E. Was this person ... An employee of a PRIVATE Co., inst., or individual for wages, salary or comm. <input type="checkbox"/> P A FEDERAL government employee <input type="checkbox"/> F A STATE government employee <input type="checkbox"/> S A LOCAL government employee <input type="checkbox"/> L Self-employed in OWN bus., prof. practice, or farm <input type="checkbox"/> SE The business incorporated? <input type="checkbox"/> Yes <input type="checkbox"/> No Working WITHOUT PAY in fam. bus. or farm <input type="checkbox"/> WP Not WORKED <input type="checkbox"/> NEV					
23F. INTERVIEWER CHECK ITEM Entry for (NA) in item 20A <input type="checkbox"/> (Go to 25 at top of page) Entry for (NA) in item 21B <input type="checkbox"/> All other cases <input type="checkbox"/> (Ship to 26)					

18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PAR'S LINE NO.	18D. AGE	18E. MARITAL STATUS	18F. SPOUSE'S LINE NUMBER	18G1. SEX Male : <input type="checkbox"/> Female : <input checked="" type="checkbox"/>	18H. HIGHEST GRADE ATTENDED	18I. GRADE COMPLETED Yes : <input type="checkbox"/> No : <input type="checkbox"/>	18J. RACE White : <input type="checkbox"/> Black : <input type="checkbox"/> Amer. Indian, Aleut, Eskimo : <input type="checkbox"/> Asian or Pacific Isl. : <input type="checkbox"/> Other : <input checked="" type="checkbox"/>	18K. ORIGIN
01	Ref. Person WITH rel. in H'ld									
02	Ref. Person with NO rel. in H'ld									
03	Husband			Married - spouse present						
04	Wife									
05	Natural/Adopted Child			Married - spouse absent (Exclude separated)						
06	Step Child									
07	Grandchild									
08	Parent									
09	Brother/Sister			Widowed						
10	Other Rel. of Ref. Person			Divorced						
11	Foster Child			Separated						
12	Non-rel. of Ref. Person WITH OWN rel. in H'ld			Never married						
13	Partner/Roommate	None			None					
14	Non-rel. of Ref. Person (other than partner/roommate) with NO OWN rel. in H'ld									

<b>26. INTERVIEWER CHECK ITEM</b> (Transcribe from control card item 18) This person is 16-24 years of age (Ask 26A) All others (Skip to 26C)		<b>32. INTERVIEWER CHECK ITEM</b> (C.C. item 18) This person is 18 years or older (Ask item 33) All others (Skip to item 38)		<b>38. INTERVIEWER CHECK ITEM</b> Entry in C.C. Item 24 is Code 4, Asian or Pacific Islander (Ask item 39) All others (Skip to item 40)	
<b>26A. (If "School" in 19. Verify) LAST WEEK was ...</b> attending or enrolled in a high school, college, or university? (Mark "Yes" if currently on holiday or seasonal vacation. Mark "No" for summer vacation.) Yes (Verify) <input checked="" type="checkbox"/> No (Skip to 26C)		<b>33. Is ... a citizen of the United States?</b> Yes (Ask 34) <input checked="" type="checkbox"/> No (Skip to 38) Don't know (Ask 34)		<b>39. What is ...'s specific Asian or Pacific Islander group?</b> Chinese Filipino Japanese Asian Indian Korean Vietnamese Laotian, Cambodian, Hmong Other Asian (for example, Thai, Pakistani, Sri Lankan, Burmese) Hawaiian Other Pacific Islander (for example, Samoan, Guamanian, Tongan)	
<b>26B. Is ... enrolled in school as a full-time or part-time student?</b> Full time (Ask 26C) Part time		<b>34. In any election some people are not able to vote because they are sick or busy or have some other reason, and others do not want to vote.</b> Did ... vote in the election held on November 8? Yes (Skip to 36) No (Ask 35) Don't know		<b>40. INTERVIEWER CHECK ITEM</b> Who reported for this person? Self Other	
<b>26C. INTERVIEWER CHECK ITEM</b> Who responded to the labor force items for this person? Self <input checked="" type="checkbox"/> Other Self/Other		<b>35. Was ... registered to vote in the November 8th election?</b> Yes (Ask 36) No (Skip to 38) Don't know		<b>IF THIS IS THE LAST PERSON AGE 14+ AND THERE ARE CHILDREN AGE 13 OR UNDER IN THE HOUSEHOLD, GO TO ITEM 38 ON PAGE 2. OTHERWISE, END QUESTIONS.</b>	
<b>REMEMBER: ASK THE LABOR FORCE QUESTIONS FOR ALL HOUSEHOLD MEMBERS 14+ YRS OLD BEFORE ASKING THE SUPPLEMENT QUESTIONS</b>		<b>36. Did ... register specifically for this election or was ... already registered?</b> Registered for this election (Ask 37) Already registered (Skip to 38)			
		<b>37. Was this the first time ... ever registered?</b> Yes No (Fill Item 38) Don't know			

<b>18. LINE NUMBER</b>  19. What was ... doing most of LAST WEEK - Working <input type="checkbox"/> Keeping house <input type="checkbox"/> Going to school <input type="checkbox"/> or something else? <input type="checkbox"/>  Working (Skip to 20A) WK <input type="checkbox"/> With a job but not at work J <input type="checkbox"/> Looking for work LK <input type="checkbox"/> Keeping house H <input type="checkbox"/> Going to school S <input type="checkbox"/> Unable to work (Skip to 24) U <input type="checkbox"/> Retired R <input type="checkbox"/> Other (Specify) OT <input type="checkbox"/>	20. Did ... do any work at all LAST WEEK, not counting work around the house? (Note: If farm or business operator in h.h., ask about unpaid work.) Yes <input type="checkbox"/> No <input type="checkbox"/> (Go to 21)	21. (If in 19, skip to 21A.) Did ... have a job or business from which he/she was temporarily absent or on layoff LAST WEEK? Yes <input type="checkbox"/> No <input type="checkbox"/> (Go to 22)	22. (If LK in 19, skip to 22A.) Has ... been looking for work during the past 4 weeks? Yes <input type="checkbox"/> No <input type="checkbox"/> (Go to 24)	<b>24. INTERVIEWER CHECK ITEM</b> (Rotation number) First digit of SEGMENT number is: 2, 3, 4, 6, 7 or 8 (Skip to 26) 1 or 5 (Go to 24A)	<b>28. INTERVIEWER CHECK ITEM</b> (Rotation number) First digit of SEGMENT number is: 2, 3, 4, 6, 7 or 8 (Skip to 26) 1 or 5 (Go to 25A)
20A. How many hours did ... work LAST WEEK at all jobs? 49+ (Skip to item 23) 1-34 (Go to 20C) 35-48 (Go to 20C)	<b>20B. INTERVIEWER CHECK ITEM</b> 49+ (Skip to item 23) 1-34 (Go to 20C) 35-48 (Go to 20C)	21A. Why was ... absent from work LAST WEEK? Own illness <input type="checkbox"/> On vacation <input type="checkbox"/> Bad weather <input type="checkbox"/> Labor dispute <input type="checkbox"/> New job to begin within 30 days (Skip to 22B and 22C) Temporary layoff (Under 30 days) (Skip to 22C) Indefinite layoff (30 days or more or no def. recall date) (Skip to 22C) Other (Specify)	22A. What has ... been doing in the last 4 weeks to find work? (Mark all methods used; do not read list.) Checked pub. employ. agency with- <input type="checkbox"/> Pvt. employ. agency <input type="checkbox"/> Employer directly <input type="checkbox"/> Friends or relatives <input type="checkbox"/> Placed or answered ads. <input type="checkbox"/> Nothing (Skip to 24) <input type="checkbox"/> Other (Specify in notes, e.g., TPA, union or prof. register, etc.)	24A. When did ... last work for pay at a regular job or business, either full- or part-time? Within past 12 months <input type="checkbox"/> 1 up to 2 years ago <input type="checkbox"/> 2 up to 3 years ago <input type="checkbox"/> 3 up to 4 years ago <input type="checkbox"/> 4 up to 5 years ago <input type="checkbox"/> 5 or more years ago <input type="checkbox"/> Never worked <input type="checkbox"/> (Skip to 24C)	25A. How many hours per week does ... USUALLY work at this job? 25B. Is ... paid by the hour on this job? Yes <input type="checkbox"/> (Go to 25C) No <input type="checkbox"/> (Skip to 25D)
20C. Does ... USUALLY work 35 hours or more a week at this job? Yes <input type="checkbox"/> What is the reason ... worked less than 35 hours LAST WEEK? No <input type="checkbox"/> What is the reason ... USUALLY works less than 35 hours a week? (Mark the appropriate reason) Slack work <input type="checkbox"/> Material shortage <input type="checkbox"/> Plant or machine repair <input type="checkbox"/> New job started during week <input type="checkbox"/> Job terminated during week <input type="checkbox"/> Could find only part-time work <input type="checkbox"/> Holiday (Legal or religious) <input type="checkbox"/> Labor dispute <input type="checkbox"/> Bad weather <input type="checkbox"/> Own illness <input type="checkbox"/> On vacation <input type="checkbox"/> Too busy with housework, school, personal bus., etc. <input type="checkbox"/> Did not want full-time work <input type="checkbox"/> Full-time work week under 35 hours <input type="checkbox"/> Other reason (Specify)	20E. Did ... work any overtime or at more than one job LAST WEEK? Yes <input type="checkbox"/> How many extra hours did ... work? (Correct 20A and 20B as necessary if extra hours not already included and skip to 23.) No <input type="checkbox"/> (Skip to 23)	21B. Is ... receiving wages or salary from his/her employer for any of the time off LAST WEEK? Yes <input type="checkbox"/> No <input type="checkbox"/>	22B. At the time ... started looking for work, was it because he/she lost or quit a job or was there some other reason? Lost job <input type="checkbox"/> Quit job <input type="checkbox"/> Left school <input type="checkbox"/> Wanted temporary work <input type="checkbox"/> Change in home or family responsibilities <input type="checkbox"/> Left military service <input type="checkbox"/> Other (Specify in notes)	24B. Why did ... leave that job? Personal, family (incl. pregnancy) or school <input type="checkbox"/> Health <input type="checkbox"/> Retirement or old age <input type="checkbox"/> Seasonal job completed <input type="checkbox"/> Slack work or business conditions <input type="checkbox"/> Temporary nonseasonal job completed <input type="checkbox"/> Unsatisfactory work arrangements (Hours, pay, etc.) <input type="checkbox"/> Other <input type="checkbox"/>	25C. How much does ... earn per hour? Dollars <input type="text"/> Cents <input type="text"/> (Ask 25D) REF
(Skip to 23 and enter job worked at last week)	20F. Did ... work any overtime or at more than one job LAST WEEK? Yes <input type="checkbox"/> How many extra hours did ... work? (Correct 20A and 20B as necessary if extra hours not already included and skip to 23.) No <input type="checkbox"/> (Skip to 23)	21C. Does ... usually work 35 hours or more a week at this job? Yes <input type="checkbox"/> No <input type="checkbox"/> (Skip to 23 and enter job held last week)	22C. 1) How many weeks has ... been looking for work? 2) How many weeks ago did ... start looking for work? 3) How many weeks ago was ... laid off? 22D. Has ... been looking for full-time or part-time work? Full <input type="checkbox"/> Part <input type="checkbox"/> 22E. Could ... have taken a job LAST WEEK if one had been offered? Yes <input type="checkbox"/> No <input type="checkbox"/> Why not? Already has a job <input type="checkbox"/> Temporary illness <input type="checkbox"/> Going to school <input type="checkbox"/> Other (Specify in notes)	24C. Does ... want a regular job now, either full- or part-time? Yes <input type="checkbox"/> (Go to 24D) Maybe - it depends (Specify in notes) No <input type="checkbox"/> (Skip to 24E) Don't know	25D. How much does ... USUALLY earn per week at this job BEFORE deductions? Include any overtime pay, commissions, or tips usually received. \$ <input type="text"/> REF
<b>23. DESCRIPTION OF JOB OR BUSINESS</b>					
23A. For whom did ... work? (Name of company, business, organization or other employer.)					
23B. What kind of business or industry is this? (For example: TV and radio shop, retail shoe store, State Labor Dept., farm.)					
23C. What kind of work was ... doing? (For example: electrical engineer, stock clerk, typist, farmer.)					
23D. What were ...'s most important activities or duties at this job? (For example: types, keeps account books, files, sells cars, operates printing press, finishes concrete.)					
23E. Was this person an employee of a PRIVATE Co., bus., or individual for wages, salary or comm. ... P <input type="checkbox"/> A FEDERAL government employee ... F <input type="checkbox"/> (Go to 23F) A STATE government employee ... S <input type="checkbox"/> A LOCAL government employee ... L <input type="checkbox"/> Self-empl. in OWN bus., prof. practice, or farm <input type="checkbox"/> Is the business incorporated? Yes <input type="checkbox"/> No <input type="checkbox"/> SE <input type="checkbox"/> Working WITHOUT PAY in farm, bus. or farm ... WP <input type="checkbox"/> (Skip to 26) NEVER WORKED ... NEV <input type="checkbox"/>					
<b>23F. INTERVIEWER CHECK ITEM</b> Entry (or NA) in item 20A <input type="checkbox"/> (Go to 25 at top of page) Entry (or NA) in item 21B <input type="checkbox"/> All other cases <input type="checkbox"/> (Skip to 26)					

18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PAR'S LINE NO.	18D. AGE	18E. MARITAL STATUS	18F. SPOUSE'S LINE NUMBER	18G1. SEX Male Female <input checked="" type="checkbox"/>	18H. HIGHEST GRADE ATTENDED	18I. GRADE COMPLETED	18J. RACE	18K. ORIGIN
	Ref. Person WITH rel. in H/hid. .... 01			Married - spouse present				Yes	White	
	Ref. person with NO rel. in H/hid. .... 02							No	Black	
	Husband ..... 03			Married - spouse absent (Exclude separated)		Veteran <input checked="" type="checkbox"/>			Amer. Indian Aleut Eskimo	
	Wife ..... 04					Vietnam Era			Asian or Pacific Isl.	
	Natural/Adopted Child ..... 05			Widowed		Korean War			Other	
	Step Child ..... 06			Divorced		World War II				
	Grandchild ..... 07			Separated		World War I				
	Parent ..... 08			Never married		Other Service				
	Brother/Sister ..... 09					Nonveteran				
	Other Rel. of Ref. Person ..... 10									
	Foster Child ..... 11									
	Non-rel. of Ref. Person WITH OWN rel. in H/hid. .... 12	None			None					
	Partner/Roommate ..... 13									
	Non-rel. of Ref. Person (other than partner/ roommate) with NO OWN rel. in H/hid. .... 14									

26. INTERVIEWER CHECK ITEM  
(Transcribe from control card item 18)  
This person is  
16-24 years of age (Ask 26A)  
All others (Skip to 26C)

26A. (If School in 19. Verify) LAST WEEK was  
attending or enrolled in a high school, college, or  
university? (Mark "Yes" if currently on holiday or  
seasonal vacation. Mark "No" for summer vacation.)  
Yes (Verify) ☒ No (Skip to 26C)

High School (Ask 26B) ☒  
College or Univ. ☐

26B. Is ... enrolled in school as a full-time  
or part-time student?  
Full time (Ask 26C)  
Part time ☐

26C. INTERVIEWER CHECK ITEM  
Who responded to the labor force items  
for this person?  
Self ☐  
Other ☒  
Self/Other ☐

REMINDER: ASK THE LABOR FORCE QUESTIONS  
FOR ALL HOUSEHOLD MEMBERS 14+ YRS OLD  
BEFORE ASKING THE SUPPLEMENT QUESTIONS

SUPPLEMENT QUESTIONS OMB NO. 0607-0466 - Expires Jan. 31, 1989

32. INTERVIEWER CHECK ITEM (C.C. item 18)  
This person is 18 years or older (Ask item 33)  
All others (Skip to item 38)

LEAD-IN: This month we have some questions concerning  
voting and registration.

33. Is ... a citizen of the United States?  
Yes (Ask 34) ☒  
No (Skip to 38)  
Don't know (Ask 34)

34. In any election some people are not able to vote because they are sick  
or busy or have some other reason, and others do not want to vote.  
Did ... vote in the election held on November 8?  
Yes (Skip to 36)  
No (Ask 35) ☒  
Don't know

35. Was ... registered to vote in the November 8th election?  
Yes (Ask 36) ☐  
No (Skip to 38) ☒  
Don't know

36. Did ... register specifically for this election or was ... already registered?  
Registered for this election (Ask 37)  
Already registered (Skip to 38)

37. Was this the first time ... ever registered?  
Yes ☐  
No (Fill item 38) ☒  
Don't know ☐

38. INTERVIEWER CHECK ITEM  
Entry in C.C. item 24 is  
Code 4, Asian or  
Pacific Islander (Ask item 39)  
All others (Skip to item 40)

39. What is ...'s specific Asian or Pacific Islander group?

Chinese ☐  
Filipino ☐  
Japanese ☐  
Asian Indian ☒  
Korean ☐  
Vietnamese ☐  
Laotian, Cambodian, Hmong ☐  
Other Asian (for example, Thai,  
Polynesian, Sri Lankan, Burmese) ☐  
Hawaiian ☐  
Other Pacific Islander (for example,  
Samoan, Guamanian, Tongan) ☐

40. INTERVIEWER CHECK ITEM  
Who reported for this person?  
Self ☐  
Other ☒

IF THIS IS THE LAST PERSON AGE 14+ AND THERE  
ARE CHILDREN AGE 13 OR UNDER IN THE HOUSEHOLD,  
GO TO ITEM 38 ON PAGE 2. OTHERWISE, END QUESTIONS.



## ATTACHMENT 15

### Industry Classification Codes

(Numbers in parentheses are the 1987 SIC code equivalents; see Executive Office of the President, Office of Management and Budget, Standard Industrial Classification Manual, 1987. "Pt" means part; "n.e.c." means not elsewhere classified.)

<u>Code</u>	<u>Industry</u>
0-9	not used
10-31	AGRICULTURE, FORESTRY, AND FISHERIES
10	Agricultural production, crops (01)
11	Agricultural production, livestock (02)
12-19	not used
20	Agricultural services, except horticultural (07, except 078)
21	Horticultural services (078)
22-29	not used
30	Forestry (08)
31	Fishing, hunting, and trapping (09)
32-39	not used
40-50	MINING
40	Metal mining (10)
41	Coal mining (11,12)
42	Crude petroleum and natural gas extraction (13)
43-49	not used
50	Nonmetallic mining and quarrying, except fuel (14)
51-59	not used
60	CONSTRUCTION (15, 16, 17)
61-99	not used
100-392	MANUFACTURING
100-222	Nondurable Goods
100-122	Food and kindred products
100	Meat products (201)
101	Dairy products (202)
102	Canned and preserved fruits and vegetables (203)
103-109	not used
110	Grain mill products (204)
111	Bakery products (205)
112	Sugar and confectionery products (206)
113-119	not used
120	Beverage industries (208)
121	Miscellaneous food preparations and kindred products (207, 209)
122	Not specified food industries
123-129	not used
130	Tobacco manufactures (21)
131	not used
132-150	Textile mill products
132	Knitting mills (225)
133-139	not used
140	Dyeing and finishing textiles, except wool and knit goods (226)
141	Floor coverings, except hard surface (227)



<u>Code</u>	<u>Industry</u>
142	Yarn, thread, and fabric mills (228, 221-224)
143-149	not used
150	Miscellaneous textile mill products (229)
151-152	Apparel and other finished textile products
151	Apparel and accessories, except knit (231-238)
152	Miscellaneous fabricated textile products (239)
153-159	not used
160-162	Paper and allied products
160	Pulp, paper, and paperboard mills (261-263, 266)
161	Miscellaneous paper and pulp products (264)
162	Paperboard containers and boxes (265)
163-170	not used
171-172	Printing, publishing, and allied industries
171	Newspaper publishing and printing (271)
172	Printing, publishing, and allied industries, except newspapers (272-279)
173-179	not used
180-192	Chemicals and allied products
180	Plastics, synthetics, and resins (282)
181	Drugs (283)
182	Soaps and cosmetics (284)
183-189	not used
190	Paints, varnishes, and related products (285)
191	Agricultural chemicals (287)
192	Industrial and miscellaneous chemicals (281, 286, 289)
193-199	not used
200-201	Petroleum and coal products
200	Petroleum refining (291)
201	Miscellaneous petroleum and coal products (295, 299)
202-209	not used
210-212	Rubber and miscellaneous plastics products
210	Tires and inner tubes (301)
211	Other rubber products, and plastics footwear and belting (302-304, 306)
212	Miscellaneous plastics products (307)
213-219	not used
220-222	Leather and leather products
220	Leather tanning and finishing (311)
221	Footwear, except rubber and plastic (313, 314)
222	Leather products, except footwear (315-317, 319)
223-229	not used
230-391	Durable Goods
230-241	Lumber and wood products, except furniture
230	Logging (241)
231	Sawmills, planing mills, and millwork (242, 243)
232	Wood buildings and mobile homes (245)
233-240	not used
241	Miscellaneous wood products (244, 249)
242	Furniture and fixtures (25)
243-249	not used
250-262	Stone, clay, glass, and concrete products
250	Glass and glass products (321-323)
251	Cement, concrete, gypsum, and plaster products (324, 327)
252	Structural clay products (325)
253-260	not used
261	Pottery and related products (326)
262	Miscellaneous nonmetallic mineral and stone products (328, 329)

<u>Code</u>	<u>Industry</u>
263-269	not used
270-301	Metal industries
270	Blast furnaces, steelworks, rolling and finishing mills (331)
271	Iron and steel foundries (332)
272	Primary aluminum industries (3334, part 334, 3353-3355, 3361)
273-279	not used
280	Other primary metal industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, 339)
281	Cutlery, handtools, and other hardware, (342)
282	Fabricated structural metal products (344)
283-289	not used
290	Screw machine products (345)
291	Metal forgings and stampings (346)
292	Ordinance (348)
293-299	not used
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries
302-309	not used
310-332	Machinery, except electrical
310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
313-319	not used
320	Metalworking machinery (354)
321	Office and accounting machines (357, except 3573)
322	Electronic computing equipment (3573)
323-330	not used
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery
333-339	not used
340-350	Electrical machinery, equipment, and supplies
340	Household appliances (363)
341	Radio, T.V. and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
343-349	not used
350	Not specified electrical machinery, equipment, and supplies
351-370	Transportation equipment
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
353-359	not used
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
363-369	not used
370	Cycles and miscellaneous transportation equipment (375, 379)
371-382	Professional and photographic equipment, and watches
371	Scientific and controlling instruments (381, 382)
372	Optical and health services supplies (383, 384, 385)
373-379	not used
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
382	Not specified professional equipment
383-389	not used
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 except 394)

<u>Code</u>	<u>Industry</u>
392	Not specified manufacturing industries <sup>1</sup>
393-399	not used
400-472	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
400-432	Transportation
400	Railroads (40)
401	Bus service and urban transit (41 except 412)
402	Taxicab service (412)
403-409	not used
410	Trucking service (421, 423)
411	Warehousing and storage (422)
412	U.S. Postal Service (43)
413-419	not used
420	Water transportation (44)
421	Air transportation (45)
422	Pipe lines, except natural gas (46)
423-431	not used
432	Services incidental to transportation (47)
433-439	not used
440-442	Communications
440	Radio and television broadcasting (483)
441	Telephone (wire and radio) (481)
442	Telegraph and miscellaneous communication services (482, 489)
443-459	not used
460-472	Utilities and sanitary services
460	Electric light and power (491)
461	Gas and steam supply systems (492, 496)
462	Electric and gas, and other combinations (493)
463-469	not used
470	Water supply and irrigation (494, 497)
471	Sanitary services (495)
472	Not specified utilities
473-499	not used
500-571	WHOLESALE TRADE
500-532	Durable Goods
500	Motor vehicles and equipment (501)
501	Furniture and home furnishings (502)
502	Lumber and construction materials (503)
503-509	not used
510	Sporting goods, toys, and hobby goods (504)
511	Metals and minerals, except petroleum (505)
512	Electrical goods (506)
513-520	not used
521	Hardware, plumbing and heating supplies (507)
522	Not specified electrical and hardware products
523-529	not used
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)
532	Miscellaneous wholesale, durable goods (5094, 5099)
533-539	not used

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1. When shown separately, "Not specified manufacturing," is at the same level as "Nondurable goods" and "Durable goods." When not shown, it is tallied with "Durable goods."

<u>Code</u>	<u>Industry</u>
540-571	Nondurable Goods
540	Paper and paper products (511)
541	Drugs, chemicals, and allied products (512, 516)
542	Apparel, fabrics, and notions (513)
543-549	not used
550	Groceries and related products (514)
551	Farm products - raw materials (515)
552	Petroleum products (517)
553-559	not used
560	Alcoholic beverages (518)
561	Farm supplies (5191)
562	Miscellaneous wholesale, nondurable goods (5194, 5198, 5199)
563-570	not used
571	Not specified wholesale trade
572-579	not used
580-691	RETAIL TRADE
580	Lumber and building material retailing (521, 523)
581	Hardware stores (525)
582	Retail nurseries and garden stores (526)
583-589	not used
590	Mobile home dealers (527)
591	Department stores (531)
592	Variety stores (533)
593-599	not used
600	Miscellaneous general merchandise stores (539)
601	Grocery stores (541)
602	Dairy products stores (545)
603-609	not used
610	Retail bakeries (546)
611	Food stores, n.e.c. (542, 543, 544, 549)
612	Motor vehicle dealers (551, 552)
613-619	not used
620	Auto and home supply stores (553)
621	Gasoline service stations (554)
622	Miscellaneous vehicle dealers (555, 556, 557, 559)
623-629	not used
630	Apparel and accessory stores, except shoe (56, except 566)
631	Shoe stores (566)
632	Furniture and home furnishings stores (571)
633-639	not used
640	Household appliances, TV, and radio stores (572, 573)
641	Eating and drinking places (58)
642	Drug stores (591)
643-649	not used
650	Liquor stores (592)
651	Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652	Book and stationery stores (5942, 5943)
653-659	not used
660	Jewelry stores (5944)
661	Sewing, needlework, and piece goods stores (5949)
662	Mail order houses (5961)
663-669	not used
670	Vending machine operators (5962)
671	Direct selling establishments (5963)

<u>Code</u>	<u>Industry</u>
672	Fuel and ice dealers (598)
673-680	not used
681	Retail florists (5992)
682	Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
683-690	not used
691	Not specified retail trade
692-699	not used
700-712	FINANCE, INSURANCE, AND REAL ESTATE
700	Banking (60)
701	Savings and loan associations (612)
702	Credit agencies, n.e.c. (61, except 612)
703-709	not used
710	Security, commodity brokerage, and investment companies (62, 67)
711	Insurance (63, 64)
712	Real estate: including real estate-insurance-law offices (65, 66)
713-720	not used
721-760	BUSINESS AND REPAIR SERVICES
721	Advertising (731)
722	Services to dwellings and other buildings (734)
723-729	not used
730	Commercial research, development, and testing labs (7391, 7397)
731	Personnel supply services (736)
732	Business management and consulting services (7392)
733-739	not used
740	Computer and data processing services (737)
741	Detective and protective services (7393)
742	Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
743-749	not used
750	Automotive services, except repair (751, 752, 754)
751	Automotive repair shops (753)
752	Electrical repair shops (762, 7694)
753-759	not used
760	Miscellaneous repair services (763, 764, 7692, 7699)
761-791	PERSONAL SERVICES
761	Private households (88)
762	Hotels and motels (701)
763-769	not used
770	Lodging places, except hotels and motels (702, 703, 704)
771	Laundry, cleaning, and garment services (721)
772	Beauty shops (723)
773-779	not used
780	Barber shops (724)
781	Funeral service and crematories (726)
782	Shoe repair shops (725)
783-789	not used
790	Dressmaking shops (part 729)
791	Miscellaneous personal services (722, part 729)
792-799	not used
800-802	ENTERTAINMENT AND RECREATION SERVICES
800	Theaters and motion pictures (78, 792)
801	Bowling alleys, billiard and pool parlors (793)

<u>Code</u>	<u>Industry</u>
802	Miscellaneous entertainment and recreation services (791, 794, 799)
803-811	not used
812-892	PROFESSIONAL AND RELATED SERVICES
812	Offices of physicians (801, 803)
813-819	not used
820	Offices of dentists (802)
821	Offices of chiropractors (8041)
822	Offices of optometrists (8042)
823-829	not used
830	Offices of health practitioners, n.e.c. (8049)
831	Hospitals (806)
832	Nursing and personal care facilities (805)
833-839	not used
840	Health services, n.e.c. (807, 808, 809)
841	Legal services (81)
842	Elementary and secondary schools (821)
843-849	not used
850	Colleges and universities (822)
851	Business, trade, and vocational schools (824)
852	Libraries (823)
853-859	not used
860	Educational services, n.e.c. (829)
861	Job training and vocational rehabilitation services (833)
862	Child day care services (835)
863-869	not used
870	Residential care facilities, without nursing (836)
871	Social services, n.e.c. (832, 839)
872	Museums, art galleries, and zoos (84)
873-879	not used
880	Religious organizations (866)
881	Membership organizations (861-865, 869)
882	Engineering, architectural, and surveying services (891)
883-889	not used
890	Accounting, auditing, and bookkeeping services (893)
891	Noncommercial educational and scientific research (892)
892	Miscellaneous professional and related services (899)
893-889	not used
900-932	PUBLIC ADMINISTRATION
900	Executive and legislative offices (911-913)
901	General government, n.e.c. (919)
902-909	not used
910	Justice, public order, and safety (92)
911-920	not used
921	Public finance, taxation, and monetary policy (93)
922	Administration of human resources programs (94)
923-929	not used
930	Administration of environmental quality and housing programs (95)
931	Administration of economic programs (96)
932	National security and international affairs (97)
933-990	not used
991	Assigned to persons whose labor force status is unemployed and whose last job was Armed Forces.



## ATTACHMENT 16

### Occupational Classification Codes for Detailed Occupational Categories

(Numbers in parentheses are the 1980 SOC code equivalent; see U.S. Department of Commerce, Office of Federal Statistical Policy and Standards, *Standard Occupational Classification Manual, 1980*. "Pt" means part; "n.e.c." means not elsewhere classified.)

<b><u>Code</u></b>	<b><u>Occupations</u></b>
0-2	not used
3-199	MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS
3-37	Executive, Administrative, and Managerial Occupations
3	Legislators (111)
4	Chief executives and general administrators, public administration (112)
5	Administrators and officials, public administration (1132-1139)
6	Administrators, protective services (1131)
7	Financial managers (122)
8	Personnel and labor relations managers (123)
9	Purchasing managers (124)
10-12	not used
13	Managers, marketing, advertising, and public relations (125)
14	Administrators, education and related fields (128)
15	Managers, medicine and health (131)
16	Managers, properties and real estate (1353)
17	Postmasters and mail superintendents (1344)
18	Funeral directors (pt 1359)
19	Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344, 1353, pt 1359)
20-22	not used
23-37	Management Related Occupations
23	Accountants and auditors (1412)
24	Underwriters (1414)
25	Other financial officers (1415, 1419)
26	Management analysts (142)
27	Personnel, training, and labor relations specialists (143)
28	Purchasing agents and buyers, farm products (1443)
29	Buyers, wholesale and retail trade except farm products (1442)
30-32	not used
33	Purchasing agents and buyers, n.e.c. (144)
34	Business and promotion agents (145)
35	Construction inspectors (1472)
36	Inspectors and compliance officers, exc. construction (1473)
37	Management related occupations, n.e.c. (149)
38-42	not used
43-199	Professional Specialty Occupations
43-63	Engineers, Architects, and Surveyors
43	Architects (161)
44-59	Engineers
44	Aerospace (1622)
45	Metallurgical and materials (1623)
46	Mining (1624)
47	Petroleum (1625)
48	Chemical (1626)
49	Nuclear (1627)
50-52	not used



<b><u>Code</u></b>	<b><u>Occupations</u></b>
53	Civil (1628)
54	Agricultural (1632)
55	Electrical and electronic (1633, 1636)
56	Industrial (1634)
57	Mechanical (1635)
58	Marine and naval architects (1637)
59	Engineers, n.e.c. (1639)
60-62	not used
63	Surveyors and Mapping Scientists (164)
64-68	Mathematical and Computer Scientists
64	Computer Systems Analysts and Scientists (171)
65	Operations and Systems Researchers and Analysts (172)
66	Actuaries (1732)
67	Statisticians (1733)
68	Mathematical scientists, n.e.c. (1739)
69-83	Natural Scientists
69	Physicists and astronomers (1842, 1843)
70-72	not used
73	Chemists, except biochemists (1845)
74	Atmospheric and space scientists (1846)
75	Geologists and geodeists (1847)
76	Physical scientists, n.e.c. (1849)
77	Agricultural and food scientists (1853)
78	Biological and life scientists (1854)
79	Forestry and conservation scientists (1852)
80-82	not used
83	medical scientists (1855)
84-89	Health Diagnosing Occupations
84	Physicians (261)
85	Dentists (262)
86	Veterinarians (27)
87	Optometrists (281)
88	Podiatrists (283)
89	Health diagnosing practitioners, n.e.c. (289)
90-94	not used
95-106	Health Assessment and Treating Occupations
95	Registered nurses (29)
96	Pharmacists (301)
97	Dietitians (302)
98-105	Therapists
98	Inhalation therapists (3031)
99	Occupational therapists (3032)
100-102	not used
103	Physical therapists (3033)
104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106	Physicians' assistants (3040)
107-112	not used
113-154	Teachers, Postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)

<b><u>Code</u></b>	<b><u>Occupations</u></b>
119	Economics teachers (2218)
120-122	not used
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
130-132	not used
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)
137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
140-142	not used
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
150-152	not used
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
155-159	Teachers, Except Postsecondary
155	Teachers, prekindergarten and kindergarten (231)
156	Teachers, elementary school (232)
157	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
160-162	not used
163	Counselors, educational and vocational (24)
164-165	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
166-173	Social Scientists and Urban Planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
170-172	not used
173	Urban planners (192)
174-177	Social, Recreation, and Religious Workers
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
178-179	Lawyers and Judges
178	Lawyers (211)
179	Judges (212)
180-182	not used

<b><u>Code</u></b>	<b><u>Occupations</u></b>
183-199	Writers, Artists, Entertainers, and Athletes
183	Authors (321)
184	Technical writers (398)
185	Designers (322)
186	Musicians and composers (323)
187	Actors and directors (324)
188	Painters, sculptors, craft-artists, and artists print-makers (325)
189	Photographers (326)
190-192	not used
193	Dancers (327)
194	Artists, performers, and related workers, n.e.c. (328, 329)
195	Editors and reporters (331)
196	not used
197	Public relations specialists (332)
198	Announcers (333)
199	Athletes (34)
200-202	not used
203-389	TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS
203-235	Technicians and Related Support Occupations
203-208	Health Technologists and Technicians
203	Clinical laboratory technologists and technicians (362)
204	Dental hygienists (363)
205	Health record technologists and technicians (364)
206	Radiologic technicians (365)
207	Licensed practical nurses (366)
208	Health Technologists and technicians, n.e.c. (369)
209-212	not used
213-235	Technologists and Technicians, Except Health
213-218	Engineering and Related Technologists and Technicians
213	Electrical and electronic technicians (3711)
214	Industrial engineering technicians (3712)
215	Mechanical engineering technicians (3713)
216	Engineering technicians, n.e.c. (3719)
217	Drafting occupations (372)
218	Surveying and mapping technicians (373)
219-222	not used
223-225	Science Technicians
223	Biological technicians (382)
224	Chemical technicians (3831)
225	Science technicians n.e.c. (3832, 3833, 384, 389)
226-235	Technicians, Except Health, Engineering, and Science
226	Airplane pilots and navigators (825)
227	Air traffic controllers (392)
228	Broadcast equipment operators (393)
229	Computer programmers (3971, 3972)
230-232	not used
233	Tool programmers, numerical control (3974)
234	Legal assistants (396)
235	Technicians, n.e.c. (399)
236-242	not used
243-285	Sales Occupations
243	Supervisors and proprietors, sales occupations (40)
244-252	not used

<u>Code</u>	<u>Occupations</u>
253-257	Sales Representatives, Finance and Business Services
253	Insurance sales occupations (4122)
254	Real estate sales occupations (4123)
255	Securities and financial services sales occupations (4124)
256	Advertising and related sales occupations (4153)
257	Sales occupations, other business services (4152)
258-259	Sales Representatives, Commodities Except Retail
258	Sales engineers (421)
259	Sales representatives, mining, manufacturing, and wholesale (423, 424)
260-262	not used
263-278	Sales Workers, Retail and Personal Services
263	Sales workers, motor vehicles and boats (4342, 4344)
264	Sales workers, apparel (4346)
265	Sales workers, shoes (4351)
266	Sales workers, furniture and home furnishings (4348)
267	Sales workers, radio, TV, hi-fi, and appliances (4343, 4352)
268	Sales workers, hardware and building supplies (4353)
269	Sales workers, parts (4367)
270-273	not used
274	Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
275	Sales counter clerks (4363)
276	Cashiers (4364)
277	Street and door-to-door sales workers (4366)
278	News vendors (4365)
279-282	not used
283-285	Sales Related Occupations
283	Demonstrators, promoters and models, sales (445)
284	Auctioneers (447)
285	Sales support occupations, n.e.c. (444, 446, 449)
286-302	not used
303-389	Administrative Support Occupations, Including Clerical
303-307	Supervisors, Administrative Support Occupations
303	Supervisors, general office (4511, 4513, 4514, 4515, 4516, 4519, 4529)
304	Supervisors, computer equipment operators (4512)
305	Supervisors, financial records processing (4521)
306	Chief communications operators (4523)
307	Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)
308-309	Computer Equipment Operators
308	Computer operators (4612)
309	Peripheral equipment operators (4613)
310-312	not used
313-315	Secretaries, Stenographers and Typists
313	Secretaries (4622)
314	Stenographers (4623)
315	Typists (4624)
316-323	Information Clerks
316	Interviewers (4642)
317	Hotel clerks (4643)
318	Transportation ticket and reservation agents (4644)
319	Receptionists (4645)
320-322	not used
323	Information clerks, n.e.c. (4649)
324	not used
325-336	Records Processing Occupation, Except Financial
325	Classified-ad clerks (4662)

<b><u>Code</u></b>	<b><u>Occupations</u></b>
326	Correspondence clerks (4663)
327	Order clerks (4664)
328	Personnel clerks, except payroll and timekeeping (4692)
329	Library clerks (4694)
330-334	not used
335	File clerks (4696)
336	Records clerks (4699)
337-344	Financial Records Processing Occupations
337	Bookkeepers, accounting, and auditing clerks (4712)
338	Payroll and timekeeping clerks (4713)
339	Billing clerks (4715)
340-342	not used
343	Cost and rate clerks (4716)
344	Billing, posting, and calculating machine operators (4718)
345-347	Duplicating, Mail and Other Machine Operators
345	Duplicating machine operators (4722)
346	Mail preparing and paper handling machine operators (4723)
347	Office machine operators, n.e.c. (4729)
348-353	Communications Equipment Operators
348	Telephone operators (4732)
349	Telegraphers (4733)
350-352	not used
353	Communications equipment operators, n.e.c. (4793)
354-357	Mail and Message Distributing Occupations
354	Postal clerks, exc. mail carriers (4742)
355	Mail carriers, postal service (4743)
356	Mail clerks, exc. postal service (4744)
357	Messengers (4745)
358	not used
359-374	Material Recording, Scheduling, and Distributing Clerks, n.e.c.
359	Dispatchers (4751)
360-362	not used
363	Production coordinators (4752)
364	Traffic, shipping, and receiving clerks (4753)
365	Stock and inventory clerks (4754)
366	Meter readers (4755)
367	not used
368	Weighers, measurers, and checkers (4756)
369	Samplers (4757)
370-372	not used
373	Expeditors (4758)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4759)
375-378	Adjusters and Investigators
375	Insurance adjusters, examiners, and investigators (4782)
376	Investigators and adjusters, except insurance (4783)
377	Eligibility clerks, social welfare (4784)
378	Bill and account collectors (4786)
379-389	Miscellaneous Administrative Support Occupations
379	General office clerks (463)
380-382	not used
383	Bank tellers (4791)
384	Proofreaders (4792)
385	Data-entry keyers (4793)
386	Statistical clerks (4794)
387	Teachers aides (4795)

<u>Code</u>	<u>Occupations</u>
388	not used
389	Administrative support occupations, n.e.c. (4787, 4799)
390-402	not used
403-469	SERVICE OCCUPATIONS
403-407	Private Household Occupations
403	Launderers and ironers (503)
404	Cooks, private household (504)
405	Housekeepers and butlers (505)
406	Child care workers, private household (506)
407	Private household cleaners and servants (502, 507, 509)
408-412	not used
413-427	Protective Service Occupations
413-415	Supervisors, Protective Service Occupations
413	Supervisors, firefighting and fire prevention occupations (5111)
414	Supervisors, police and detectives (5112)
415	Supervisors, guards (5113)
416-417	Firefighting and Fire Prevention Occupations
416	Fire inspection and fire prevention occupations (5122)
417	Firefighting occupations (5123)
418-424	Police and Detectives
418	Police and detectives, public service (5132)
419-422	not used
423	Sheriffs, bailiffs, and other law enforcement officers (5134)
424	Correctional institution officers (5133)
425-427	Guards
425	Crossing guards (5142)
426	Guards and police, exc. public service (5144)
427	Protective service occupations, n.e.c. (5149)
428-432	not used
433-469	Service Occupations, Except Protective and Household
433-444	Food Preparation and Service Occupations
433	Supervisors, food preparation and service occupations (5211)
434	Bartenders (5212)
435	Waiters and waitresses (5213)
436	Cooks, except short order (5214)
437	Short-order cooks (52315)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
440-442	not used
443	Waiters' /waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)
445-447	Health Service Occupations
445	Dental Assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
448-455	Cleaning and Building Service Occupations, except Household
448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
450-452	not used
453	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)
456-459	Personal Service Occupations
456	Supervisors, personal service occupations (5251)

<b><u>Code</u></b>	<b><u>Occupations</u></b>
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
460-462	not used
463	Guides (5255)
464	Ushers (5256)
465	Public transportation attendants (5257)
466	Baggage porters and bellhops (5262)
467	Welfare service aides (5263)
468	Child care workers, except private household (5264)
469	Personal service occupations, n.e.c. (5258, 5269)
470-472	not used
473-499	FARMING, FORESTRY, AND FISHING OCCUPATIONS
473-476	Farm Operators and Managers
473	Farmers, except horticulture (5512, 5514)
474	Horticultural specialty farmers, (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)
477-489	Other Agricultural and Related Occupations
477-484	Farm Occupations, Except Managerial
477	Supervisors, farm workers (5611)
478	not used
479	Farm workers (5612-5617)
480-482	not used
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)
485-489	Related Agricultural Occupations
485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)
490-493	not used
494-496	Forestry and Logging Occupations
494	Supervisors, forestry and logging workers (571)
495	Forestry workers, except logging (572)
496	Timber cutting and logging occupations (573, 579)
497-499	Fishers, Hunters, and Trappers
497	Captains and other officers, fishing vessels (pt 8241)
498	Fishers (583)
499	Hunters and trappers (584)
500-502	not used
503-699	PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS
503-549	Mechanics and Repairers
503	Supervisors, Mechanics and Repairers (60)
504	not used
505-549	Mechanics and Repairers, Except Supervisors
505-517	Vehicle and Mobile Equipment Mechanics and Repairers
505	Automobile mechanics (pt 6111)
506	Automobile mechanic apprentices (pt 6111)
507	Bus, truck, and stationary engine mechanic (6112)
508	Aircraft engine mechanics (6113)
509	Small engine repairers (6114)

<u>Code</u>	<u>Occupations</u>
510-513	not used
514	Automobile body and related repairers (6115)
515	Aircraft mechanics, exc. engine (6116)
516	Heavy equipment mechanics (6117)
517	Farm equipment mechanics (6118)
518	Industrial machinery repairers (613)
519	Machinery maintenance occupations (614)
520-522	not used
523-533	Electrical and Electronic Equipment Repairers
523	Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
524	not used
525	Data processing equipment repairers (6154)
526	Household appliance and power tool repairers (6156)
527	Telephone line installers and repairers (6157)
528	not used
529	Telephone installers and repairers (6158)
530-532	not used
533	Miscellaneous electrical and electronic equipment repairers (6152, 6159)
534	Heating, air conditioning, and refrigeration mechanics (616)
535-549	Miscellaneous Mechanics and Repairers
535	Camera, watch, and musical instrument repairers (6171, 6172)
536	Locksmiths and safe repairers (6173)
537	not used
538	Office machine repairers (6174)
539	Mechanical controls and valve repairers (6175)
540-542	not used
543	Elevator installers and repairers (6176)
544	Millwrights (6178)
545-546	not used
547	Specified mechanics and repairers, n.e.c. (6177, 6179)
548	not used
549	Not specified mechanics and repairers
550-552	not used
553-599	Construction Trades
553-558	Supervisors, Construction Occupations
553	Supervisors; brickmasons, stonemasons, and tile setters (6312)
554	Supervisors, carpenters and related workers (6313)
555	Supervisors, electricians and power transmission installers (6134)
556	Supervisors; painters, paperhangers, and plasterers (6315)
557	Supervisors: plumbers, pipefitters, and steamfitters (6316)
558	Supervisors, n.e.c. (6311, 6318)
559-562	not used
563-599	Construction Trades, Except Supervisors
563	Brickmasons and stonemasons (pt 6412, pt 6413)
564	Brickmason and stonemason apprentices (pt 6412, pt 6413)
565	Tile setters, hard and soft (6414, pt 6462)
566	Carpet installers (pt 6462)
567	Carpenters (pt 6422)
568	not used
569	Carpenter apprentices (pt 6422)
570-572	not used
573	Drywall installers (6424)
574	not used
575	Electricians (pt 6432)
576	Electrician apprentices (pt 6432)



<u>Code</u>	<u>Occupations</u>
577	Electrical power installers and repairers (6433)
578	not used
579	Painters, construction and maintenance (6442)
580-582	not used
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (pt 645)
586	not used
587	Plumber, pipefitter, and steamfitter apprentices (pt 645)
588	Concrete and terrazzo finishers (6463)
589	Glaziers (6464)
590-592	not used
593	Insulation workers (6465)
594	Paving, surfacing, and tamping equipment operators (6466)
595	Roofers (6468)
596	Sheetmetal duct installers (6472)
597	Structural metal workers (6473)
598	Drillers, earth (6474)
599	Construction trades, n.e.c. (6467, 6475, 6476, 6479)
600-612	not used
613-617	Extractive Occupations
613	Supervisors, extractive occupations (632)
614	Drillers, oil well (652)
615	Explosives workers (653)
616	Mining machine operators (654)
617	Mining occupations, n.e.c. (656)
618-632	not used
633-699	Precision Production Occupations
633	Supervisors, production occupations (67, 710)
634-655	Precision Metal Working Occupations
634	Tool and die makers (pt 6811)
635	Tool and die maker apprentices (pt 6811)
636	Precision assemblers, metal (6812)
637	Machinists (pt 6813)
638	not used
639	Machinist apprentices (pt 6813)
640-642	not used
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Patternmakers and model makers, metal (6817)
646	Lay-out workers (6812)
647	Precious stones and metals workers (jewelers) (6822, 6866)
648	not used
649	Engravers, metal (6823)
650-652	not used
653	Sheet metal workers (pt 6824)
654	Sheet metal worker apprentices (pt 6824)
655	Miscellaneous precision metal workers (6829)
656-659	Precision Woodworking Occupations
656	Patternmakers and model makers, wood (6831)
657	Cabinet makers and bench carpenter (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
660-665	not used
666-674	Precision Textile, Apparel, and Furnishings Machine Workers

<b><u>Code</u></b>	<b><u>Occupations</u></b>
666	Dressmakers (pt 6852, pt 7752)
667	Tailors (pt 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
670-672	not used
673	Apparel and fabric patternmakers (6856)
674	Miscellaneous precision apparel and fabric workers (6859, pt 7752)
675	Hand molders and shapers, except jewelers (6861)
676	Patternmakers, lay-out workers, and cutters (6862)
677	Optical goods workers (6864, pt 7477, pt 7677)
678	Dental laboratory and medical appliance technicians (6865)
679	Bookbinders (6844)
680-682	not used
683	Electrical and electronic equipment assemblers (6867)
684	Miscellaneous precision workers, n.e.c. (6869)
685	not used
686-688	Precision Food Production Occupations
686	Butchers and meat cutters (6871)
687	Bakers (6872)
688	Food batchmakers (6873, 6879)
689-693	Precision Inspectors, Testers, and Related Workers
689	Inspectors, testers, and graders (6881, 828)
690-692	not used
693	Adjusters and calibrators (6882)
694-699	Plant and System Operators
694	Water and sewage treatment plant operators (691)
695	Power plant operators (pt 693)
696	Stationary engineers (pt 693, 7668)
697-698	not used
699	Miscellaneous plant and system operators (692, 694, 695, 696)
700-702	not used
703-889	OPERATORS, FABRICATORS, AND LABORERS
703-799	Machine Operators, Assemblers, and Inspectors
703-779	Machine Operators and Tenders, except Precision
703-715	Metal Working and Plastic Working Machine Operators
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
710-712	not used
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
716	not used
717	Fabricating machine operators, n.e.c. (7339, 7539)
718	not used
719-725	Metal and plastic processing machine operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
720-722	not used
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)

<u>Code</u>	<u>Occupations</u>
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
726-733	Woodworking Machine Operators
726	Wood lathe, routing, and planeing machine operators (7431, 7432, 7631,7632)
727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nail and tacking machine operators (7636)
730-732	not used
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
734-737	Printing Machine Operators
734	Printing machine operators (7443, 7643)
735	Photoengravers and lithographers (6842, 7444, 7644)
736	Typesetters and compositors (6841, 7642)
737	Miscellaneous printing machine operators (6849, 7449, 7649)
738-749	Textile, Apparel and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
740-742	not used
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745	Shoe machine operators (7656)
746	not used
747	Pressing machine operators (7657)
748	Laundering and dry cleaning machine operators (6855, 7658)
749	Miscellaneous textile machine operators (7459, 7659)
750-752	not used
753-779	Machine Operators, Assorted Materials
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (7562, 7662)
755	Extruding and forming machine operators (7463, 7663)
756	Mixing and blending machine operators (7664)
757	Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758	Compressing and compacting machine operators (7646, 7667)
759	Painting and paint spraying machine operators (7669)
760-762	not used
763	Roasting and baking machine operators, food (7472, 7672)
764	Washing, cleaning, and pickling machine operators (7673)
765	Folding machine operators (7474, 7674)
766	Furnace, kiln, and oven operators, exc. food (7675)
767	not used
768	Crushing and grinding machine operators (pt 7477, pt 7677)
769	Slicing and cutting machine operators (7478, 7678)
770-772	not used
773	Motion picture projectionists (pt 7479)
774	Photographic process machine operators (6863, 6868, 7671)
775-776	not used
777	Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
778	not used
779	Machine operators, not specified
780-782	not used
783-795	Fabricators, Assemblers, and Hand Working Occupations
783	Welders and cutters (7332, 7532, 7714)
784	Solderers and brazers (7333, 7533, 7717)
785	Assemblers (772, 774)
786	Hand cutting and trimming occupations (7753)
787	Hand molding, casting, and forming occupations (7754, 7755)

<u>Code</u>	<u>Occupations</u>
788	not used
789	Hand painting, coating, and decorating occupations (7756)
790-792	not used
793	Hand engraving and printing occupations (7757)
794	Hand grinding and polishing occupations (7758)
795	Miscellaneous hand working occupations (7759)
796-799	Production Inspectors, Testers, Samplers, and Weighers
796	Production inspectors, checkers, and examiners (782, 787)
797	Production testers (783)
798	Production samplers and weighers (784)
799	Graders and sorters, exc. agricultural (785)
800-802	not used
803-859	Transportation and Material Moving Occupations
803-814	Motor Vehicle Operators
803	Supervisors, motor vehicle operators (8111)
804	Truck drivers, heavy (8212, 8213)
805	Truck drivers, light (8214)
806	Driver-sales workers (8218)
807	not used
808	Bus drivers (8215)
809	Taxicab drivers and chauffeurs (8216)
810-812	not used
813	Parking lot attendants (874)
814	Motor transportation occupations, n.e.c. (8219)
815-822	not used
823-834	Transportation Occupations, Except Motor Vehicles
823-826	Rail Transportation Occupations
823	Railroad conductors and yardmasters (8113)
824	Locomotive operating occupations (8232)
825	Railroad brake, signal, and switch operators (8233)
826	Rail vehicle operators, n.e.c. (8239)
827	not used
828-834	Water Transportation Occupations
828	Ship captains and mates, except fishing boats (pt 8241, 8242)
829	Sailors and deckhands (8243)
830-832	not used
833	Marine engineers (8244)
834	Bridge, lock, and lighthouse tenders (8245)
835-842	not used
843-859	Material Moving Equipment Operators
843	Supervisors, material moving equipment operators (812)
844	Operating engineers (8312)
845	Longshore equipment operators (8313)
846-847	not used
848	Hoist and winch operators (8314)
849	Crane and tower operators (8315)
850-852	not used
853	Excavating and loading machine operators (8316)
854	not used
855	Grader, dozer, and scraper operators (8317)
856	Industrial truck and tractor equipment operators (8318)
857-858	not used
859	Miscellaneous material moving equipment operators (8319)
860-862	not used
863-889	Handlers, Equipment Cleaners, Helpers, and Laborers

<u>Code</u>	<u>Occupations</u>
863	Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
864	Helpers, mechanics and repairers (863)
865-867	Helpers, Construction and Extractive Occupations
865	Helpers, construction trades (8641-8645, 8648)
866	Helpers, surveyor (8646)
867	Helpers, extractive occupations (865)
868	not used
869	Construction laborers (871)
870-872	not used
873	Production helpers (861, 862)
874	not used
875-883	Freight, Stock, and Material Handlers
875	Garbage collectors (8722)
876	Stevedores (8723)
877	Stock handlers and baggers (8724)
878	Machine feeders and offbearers (8725)
879-882	not used
883	Freight, stock, and material handlers, n.e.c. (8726)
884	not used
885	Garage and service station related occupation (873)
886	not used
887	Vehicle washers and equipment cleaners (875)
888	Hand packers and packagers (8761)
889	Laborers, except construction (8769)
890-904	not used
905	Assigned to persons whose labor force is unemployed and whose last job was Armed Forces.



## ATTACHMENT 17

### Alphabetical Foreign Codes for Place of Birth

110 Africa	505 Demo. People's Republic of Korea
721 Albania	751 Denmark
060 American Samoa	448 Dominican Republic
162 Arab Republic of Egypt	624 Dutch East Indies
411 Argentina	422 Dutch Guiana
900 Armenia	439 Dutch West Indies
690 Asia	500 East Asia
950 At Sea (Born at Sea)	743 East Germany
810 Australia	612 East Pakistan
711 Austria	140 Eastern Africa
727 Azores Islands	740 Eastern Europe
442 Bahamas	416 Ecuador
641 Bahrain	162 Egypt
612 Bangladesh	433 El Salvador
443 Barbados	759 England
712 Belgium	900 Estonia
431 Belize	144 Ethiopia
900 Belorussia, Belorussian SSR	700 Europe
301 Bermuda	719 Federal Republic of Germany
412 Bolivia	753 Finland
413 Brasil, Brazil	509 Formosa
175 Brazzaville	713 France
759 Britian	418 French Guiana
419 British Guiana, British Guyana	125 French Guinea
431 British Honduras	440 French West Indies
759 British Isles	900 Georgia SSR
444 British Virgin Islands	743 German Democratic Republic
441 British West Indies	719 Germany
741 Bulgaria	743 Germany (East)
622 Burma	719 Germany (West)
900 Byelorussian SSR	124 Ghana
625 Cambodia	759 Great Britain
302 Canada	724 Greece
065 Canal Zone	450 Guadeloupe
122 Cape Verde	066 Guam
170 Central Africa	434 Guatemala
173 Central African Republic	419 Guiana, Guyana
430 Central America	451 Haiti
700 Central Europe	717 Holland
619 Ceylon	435 Honduras
414 Chile	502 Hong Kong
Sol China	744 Hungary
415 Colombia	614 India
176 Congo, (not specified)	620 Indochina
432 Costa Rica	624 Indonesia
723 Crete	615 Iran
731 Croatia	644 Irag
446 Cuba	755 Ireland, Ireland (Eire)
642 Cyprus	759 Ireland (Northern)
742 Czechoslovakia	645 Israel
179 Democratic Republic of Congo	725 Italy

127	Ivory Coast	759	Scotland
452	Jamaica	629	Singapore
503	Japan	150	Somalia
646	Jordan	184	South Africa
625	Kampuchea	410	South America
146	Kenya	600	South Asia
179	Kinshasa	506	South Korea
504	Korea	631	South Vietnam
505	Korea (North)	620	Southeast Asia
506	Korea (South)	720	Southern Europe
647	Kuwait	155	Southern Rhodesia
626	Laos	900	Soviet Union
400	Latin America	729	Spain
900	Latvia	619	Sri Lanka
648	Lebanon	078	St. Croix
128	Liberia	078	St. John
613	Libya	456	St. Kitts, St. Kitts- Hevia-Anguilla
714	Liechtenstein	457	St. Lucia
900	Lithuania	455	St. Maarten
715	Luxembourg, Luxemburg	078	St. Thomas
501	Mainland China	458	St. Vincent
627	Malaysia	422	Surinam
453	Martinique	757	Sweden
436	Mexico	718	Switzerland
850	Micronesia	653	Syria
640	Middle East	509	Taiwan
164	Morocco	630	Thailand
717	Netherlands	459	Tobago, Trinidad, Trinidad & Tobago
820	New Zealand	075	Trust Territory of the Pacific Island
437	Nicaragua	654	Turkey
131	Niger	162	Uar
132	Nigeria	157	Uganda
160	North Africa	900	Ukraine, Ukrainian SSR
300	North America	184	Union of South Africa
505	North Korea	900	Union of Soviet Socialist Republic
631	North Vietnam	655	United Arab Emirates
750	Northern Europe	162	United Arab Republic
759	Northern Ireland	759	United Kingdom
756	Norway	423	Uruguay
618	Pakistan	099	United States, Outlying Areas, or United States Possessions (not specified)
438	Panama	900	USSR
420	Paraguay	424	Venezuela
501	People's Republic of China	631	Vietnam
615	Persia	078	Virgin Islands
421	Peru	444	Virgin Islands (British)
628	Philippines	078	Virgin Islands (U.S.)
745	Poland	759	Wales
727	Portugal	719	West Germany
072	Puerto Rico	618	West Pakistan
509	Republic of China	710	Western Europe
506	Republic of Korea		
746	Romania, Rumania		
900	Russia		
846	Samoa		
652	Saudi Arabia		
749	Scandinavia		



846 Western Samoa  
900 White Russia  
731 Yugoslavia  
179 Zaire  
155 Zimbabwe  
996 Other Specified Foreign  
Country, (Not Listed)  
997 Foreign-Born (Don't Know Country)  
998 Don't Know (If Foreign Born)  
999 Blank, Refused, Can't find CPS-1



## ATTACHMENT 18

### Numerical Place of Birth Code List

Code	Entry	Code	Entry
000	Not Applicable	413	Brazil
001	United States of America		Brasil
060	American Samoa	414	Chile
065	Canal Zone	415	Colombia
066	Guam	416	Ecuador
072	Puerto Rico	418	French Guiana
075	Trust Territory of the Pacific Islands	419	British Guiana
078	Virgin Island (U.S.),		Guyana
	Virgin Islands	420	Paraguay
	St. Croix,	421	Peru
	St. John,	422	Surinam
	St. Thomas		Dutch Guiana
099	United States, outlying areas or	423	Uruguay
	United States Possessions	424	Venezuela
	(Not specified)	430	Central America
110	Africa	431	Belize,
122	Cape Verde		British Honduras
124	Ghana	432	Costa Rica
125	French Guines	433	El Salvador
127	Ivory Coast	434	Guatemala
128	Liberia	435	Honduras
131	Niger	436	Mexico
132	Nigeria	437	Nicaragua
140	Eastern Africa	438	Panama
144	Ethiopia	439	Dutch West Indies,
146	Kenya	440	French West Indies
150	Somalia	441	British West Indies
155	Southern Rhodesia	442	Bahamas
	Zimbabwe	443	Barbados
157	Uganda	444	British Virgin Islands
160	North Africa	446	Cuba
162	Egypt, Arab Republic of Egypt, U.A.R.	448	Domicican Republic
	United Arab Republic	450	Guadeloupe
164	Morocco	451	Haiti
170	Central Africa	452	Jamaica
173	Central African Republic	453	Martinique
175	Brazzaville	455	St. Maarten
176	Congo (Not Specified)		St. Kitts, St. Kitts-Nevis-Anguilla
179	Zaire, (Kinshasa),	457	St. Lucia
	Democratic Republic of Congo	458	St. Vincent
184	South Africa, Union of South Africa	459	Tobago,
300	North America		Trinidad,
301	Bermuda		Trinidad and Tobago
302	Canada, British Columbia, Ontario,	500	East Asia
	Quebec	501	China,
400	Latin America		Mainland China,
410	South America		People Republic of China
411	Argentina	502	Hong Kong
412	Bolivia	503	Japan
		504	Korea

Code	Entry
505	Korea (North) Peoples Democratic Republic of Korea)
506	Korea (South) Republic of Korea
509	Republic of China Taiwan, Formosa
600	South Asia
612	Bangladesh, East Pakistan
613	Libya
614	India
615	Iran, Persia
618	Pakistan, West Pakistan
619	Sri Lanka, Ceylon
620	Southern Asia, Indo-China
622	Burma
624	Indonesia Dutch East Indies
625	Cambodia (Kampuchea)
626	Laos
627	Malaysia
628	Philippines
629	Singapore
630	Thailand
631	Vietnam, North South
633	South Vietnam
640	Middle East
641	Bahrain
642	Cyprus
644	Iraq
645	Israel
646	Jordan
647	Kuwait
648	Lebanon
652	Saudi Arabia
653	Syria
654	Turkey
655	United Arab Emirates
690	Asia

Code	Entry
700	Central Europe, Europe
710	Western Europe
711	Austria
712	Belgium
713	France
714	Liechtenstein
715	Luxembourg, Luxembourg
717	Holland, Netherlands
718	Switzerland
719	Germany, Federal Republic of Germany, West Germany
720	Southern Europe
721	Albania
723	Crete
724	Greece
725	Italy
727	Portugal, Azores Islands
729	Spain
731	Croatia, Yugoslavia
740	Eastern Europe
741	Bulgaria
742	Czechoslovakia
743	East Germany, German Democratic Republic
744	Hungary
745	Poland
746	Romania, Rumania
749	Scandinavia
500	Northern Europe
751	Denmark
753	Finland
755	Ireland Ireland (Eire)
756	Norway



## ATTACHMENT 19

### Specific Metropolitan Identifiers

The specific metropolitan identifiers on this file are based on the Office of Management and Budget's June 30, 1984 definitions and are ranked according to Census Bureau population estimates for July 1, 1983. Identification of CMSA's is based solely on the CMSA/MSA rank code (See List 1). MSA's can be identified by using either the CMSA/MSA rank code (List 1) or the FIPS MSA/PMSA code (List 4). PMSA's can be identified by either the FIPS MSA/PMSA code (List 4) or a combination of the CMSA/MSA rank codes and the PMSA rank code (List 2). Identification of Individual central cities is based on a combination of codes (See List 3). Individual central cities are identified by the appropriate central city code and the FIPS MSA/PMSA code or the appropriate central city code, the CMSA/MSA rank code, and, if necessary, the PMSA rank code. Some examples of the proper coding of specific metropolitan areas are given below.

AREA	CMSA/ MSA RANK <u>(MSARANK)</u> List 1	PMSA RANK CODE <u>(PMSARANK)</u> List 2	INDIVIDUAL CENTRAL CITY CODE <u>(CCC CODE)</u> List 3	FIPS MSA/PMSA CODE <u>(SMSAFIPS)</u> List 4
Dallas-Fort Worth, TX CMSA	010	N/C	N/C	N/C
Fort Worth-Arlington, TX PMSA	010	02	N/C	N/C
OR	N/C	N/C	N/C	2800
Fort Worth, TX Central City	010	02	1	N/C
OR	N/C	N/C	1	2800
Phoenix, AZ MSA	023	N/C	N/C	N/C
OR	N/C	N/C	N/C	6200
Mesa, AZ Central City	023	N/C	2	N/C
OR	N/C	N/C	2	6200
Burlington, VT MSA	224	N/C	N/C	N/C
OR	N/C	N/C	N/C	1305

N/C = No Code Required

#### NOTES:

1. Do not attempt to tally CMSA totals by summing Identified PMSA's. The specific PMSA identification for some PMSA's is suppressed while the specific CMSA for those areas is available. The New Hampshire portion of the Boston CMSA is an example of this. While specific identification of Nashua and the Lawrence-Haverill and Lowell portions is suppressed, all areas are coded as being in the Boston CMSA.

2. Many of the smaller metropolitan areas in sample do not contain central city/balance breakdowns and hence, are coded "not identifiable" in the central city metropolitan statistical area residence status code (CCCSMSA). It is recommended that this code in conjunction with the modified metropolitan statistical area residence status code (MSTSMSAR) be used for tallying metropolitan residence status for national and other grouped data.



**LIST 1: CMSA/MSA 1983 RANK CODES (MSARANK)**

<u>CMSA/ MSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>CMSA/MSA TITLE</u>
001		New York-N. New Jersey-Long Island, NY-NJ CMSA
002		Los Angeles-Anaheim-Riverside, CA CMSA
003		Chicago-Gary-Lake County, IL-IN-WI CMSA (Wisconsin portion not in sample)
004		Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA (Maryland portion suppressed)
005		San Francisco-Oakland-San Jose, CA CMSA
006		Detroit-Ann Arbor, MI CMSA
007		Boston-Laurence-Salem, MA-NH CMSA
000		Houston-Galveston-Brazoria, TX CMSA
009	8040	Washington, DC--VA MSA
010		Dallas-Fort Worth, TX CMSA
011		Cleveland-Akron-Lorain, OH CMSA
012		Miami-Fort Lauderdale, FL CMSA
013		Pittsburgh-Deaver Valley, PA CMSA
014		St. Louis, MO-IL CMSA
015	0520	Atlanta, GA MSA
016	0720	Baltimore, MD MSA
017	5120	Minneapolis-St. Paul, MN-WI MSA (Wisconsin portion not identified)
010		Seattle-Tacoma, WA CMSA
019	7320	San Diego, CA MSA
020	0280	Tampa-St. Petersburg-Clearwater, FL MSA
021		Denver-Boulder, CO CMSA
022		Cincinnati-Hamilton, OH-KY-IN CMSA (Indiana portion not identified)
023	6200	Phoenix, AZ MSA
024		Milwaukee-Racine, WI CMSA
025	3760	Kansas City, MO-KS - MSA
026		Portland-Vancouver, OR-WA CMSA
027	5560	New Orleans, LA MSA
020	1040	Columbus, OH MSA
029	5720	Norfolk-Virginia Beach-Newport News, VA MSA
030		Buffalo-Niagara Falls, NY CMSA
031	6920	Sacramento, CA MSA
032	3480	Indianapolis, IN MSA
033	7240	San Antonio, TX MSA
034		Providence-Pawtucket-Fall River, RI-MA CMSA
035	1520	Charlotte-Gastonia-Rock Hill, NC-SC MSA
036		Hartford-New Britain-Middletown, CT CMSA
037	7160	Salt Lake City-Ogden, UT MSA
030	6840	Rochester, NY MSA
039	5880	Oklahoma City, OK MSA
040	4520	Louisville, KY-IN MSA
041	2000	Dayton-Springfield, OH MSA
042	4920	Memphis, TN-AR-MS MSA (Arkansas and Mississippi portions not identified)
043	1000	Birmingham, AL MSA
044	5360	Nashville, TN MSA
045	3120	Greenboro-Winston Salem-High Point, NC MSA
046	0160	Albany-Schenectady-Troy NY MSA



<u>CMSA/ MSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>CMSA/MSA TITLE</u>
047	3320	Honolulu, HI MSA
048	5960	Orlando, FL MSA
049	6760	Richmond-Petersburg, VA MSA (Dinwiddie and Prince George counties and Colonial Heights, Hopewell, and Petersburg cities not in sample)
050	3600	Jacksonville, FL MSA
051	7560	Scranton-Wilkes Barre, PA MSA (Monroe county not in sample)
052	0560	Tulsa, OK MSA
053	8960	West Palm Beach-Boca Raton-Delray Beach, FL MSA
054	8160	Syracuse, NY MSA
055	0240	Allentown-Bethlehem, PA-NJ MSA (New Jersey portion not identified)
056	0640	Austin, TX MSA
057	3000	Grand Rapids, MI MSA
058	8400	Toledo, OH MSA
059	5920	Omaha, NE-IA MSA (Iowa portion not identified)
060	6640	Raleigh-Durham, NC MSA
061	3160	Greenville-Spartanburg, SC MSA
062	3840	Knoxville, TN MSA
063	8520	Tucson, AZ MSA
064	3240	Harrisonburg-Lebanon-Carlisle, PA MSA (Lebanon county not in sample)
065	2840	Fresno, CA MSA
066	0760	Baton Rouge, LA MSA
067	9320	Youngstown-Warren, OH MSA
068	4120	Las Vegas, NV MSA
069	8000	Springfield, MA MSA
070	2320	El Paso, TX MSA
071	5480	New Haven-Meriden, CT MSA
072	4400	Little Rock-North Little Rock, AK MSA
073	1440	Charleston, SC MSA
074	5160	Mobile, AL MSA (Baldwin county not in sample)
075	0680	Bakersfield, CA MSA
076	3660	Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia portion not identified)
077	2640	Flint, MI MSA
078	0200	Albuquerque, NM MSA
079	9040	Wichita, KS MSA
080	1760	Columbia, SC MSA
081	1560	Chattanooga, TN-GA MSA (Marion and Sequatchie counties Tennessee not in sample)
082	6960	Saginaw-Bay City-Midland, MI MSA
083	4040	Lansing-East Lansing, MI MSA
084	9240	Worcester, MA MSA
085	1320	Canton, OH MSA
086	0840	Beaumont-Port Arthur, TX MSA
087	9280	York, PA MSA
088	1960	Davenport-Rock Island-Moline, IA-IL MSA
089	8120	Stockton, CA MSA
090	2120	Des Moines, IA MSA (Dallas county not in sample)
091	4000	Lancaster, PA MSA
092	3560	Jackson, MS MSA
093	6120	Peoria, IL MSA
094	0600	Augusta, GA-SC, MSA
095	1880	Corpus Christi, TX MSA
096	7680	Shreveport, LA MSA

<u>CMSA/ MSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>CMSA/MSA TITLE</u>
097	2760	Fort Wayne, IN MSA
098	7840	Spokane, WA MSA
099	3980	Lakeland-Winter Haven, FL MSA
100	1720	Colorado Springs, CO MSA
101	3400	Huntington-Ashland, WV-KY-OH MSA (Kentucky and Ohio portions not identified)
102	4720	Madison, WI MSA
103	4880	McAllen-Edinburg-Mission, TX MSA
104	4200	Lexington-Fayette, KY MSA
105	8680	Utica-Rome, NY MSA
106	7480	Santa Barbara-Santa Maria-Lompoc, CA MSA
107	6680	Reading, PA MSA
108	6080	Pensacola, FL MSA
109	7120	Salinas-Seaside-Monterey, CA MSA
110	4900	Melbourne-Titusville-Palm Bay, FL MSA
111	0460	Appleton-Oshkosh-Neenah, WI MSA
112	2020	Daytona Beach, FL MSA
113	5170	Modesto, CA MSA
115	5240	Montgomery, AL MSA
116	2360	Erie, PA MSA
117	6880	Rockford, IL MSA
118	2440	Evansville, IN-KY MSA (Kentucky portion not identified)
119	4600	Macon-Warner Robins, GA MSA
120	1400	Charleston, WV MSA
121	2400	Eugene-Springfield, OR MSA
122	0960	Binghamton, NY MSA
123	8700	Visalia-Tulare-Porterville, CA MSA
124	3680	Johnstown, PA MSA
125	2240	Duluth, MN-WI MSA (Wisconsin portion not identified)
126	5520	New London-Norwich, CT-RI MSA (Rhode Island portion suppressed)
127	7000	Salem, OR MSA
128	6460	Poughkeepsie, NY MSA
129	2560	Fayetteville, NC MSA
130	1800	Columbus, GA-AL MSA (Alabama portion not in sample)
131	2700	Fort Myers, FL MSA
132	7000	South Bend-Mishawaka, IN MSA
133	6520	Provo-Orem, UT MSA (Central City portion only identified)
134	1240	Brownsville-Harlingen, TX MSA
135	7520	Savannah, GA MSA
136	7510	Sarasota, FL MSA
137	6000	Roanoke, VA MSA
138	4600	Lubbock, TX MSA
139	3080	Lafayette, LA MSA
140	3810	Killeen-Temple, TX MSA
141	7920	Springfield, MO MSA
142	3720	Kalamazoo, MI MSA
143	0300	Anchorage, AK MSA
144	6720	Reno, NV MSA (Central City portion only identified)
145	3290	Hickory, NC MSA
146	3440	Huntsville, AL MSA
147	8000	Waterbury, CT MSA
148	8240	Tallahassee, FL MSA

<u>CMSA/ MSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>CMSA/MSA TITLE</u>
149	6450	Portsmouth-Dover-Rochester, NH-ME MSA (Maine portion not entirely in sample and it is not identified)
150	6400	Portland, ME MSA
151	4360	Lincoln, NE MSA
152	0920	Biloxi-Gulfport, MS MSA
153	3350	Houma-Thibodaux, LA MSA
154	7080	Springfield, IL MSA
156	1000	Boise City, ID MSA
157	2900	Gainesville, FL MSA
158	9000	Wheeling, WV-OH MSA (Ohio portion not identified)
161	8000	Waco, TX MSA
163	3960	Lake Charles, LA MSA
164	1360	Cedar Rapids, IA MSA
165	5400	New Bedford, MA MSA
166	1400	Champaign-Urbana-Rantoul, IL MSA
169	2720	Fort Smith, AR-OK MSA (Oklahoma portion not in sample)
170	1140	Bradenton, FL MBA
171	0480	Asheville, NC MSA
172	0870	Benton Harbor, MI MSA
173	8920	Waterloo-Cedar Falls, IA MSA
174	2670	Fort Collins-Loveland, CO MBA
178	8440	Topeka, KA MSA (Central City portion only identified)
179	1620	Chico, CA MSA
180	5320	Muskegon, MI MSA
181	4320	Lima, OH MSA
184	5790	Ocala, FL MSA
185	3520	Jackson, MS MSA
186	5200	Monroe, LA MSA
192	8600	Tuscaloosa, AL MSA
193	0780	Battle Creek, MI MSA
194	0405	Anderson, SC MSA
197	5910	Olympia, WA MSA
198	8320	Terre Haute, IN MSA
199	2650	Florence, AL MSA
201	0280	Altoona, PA MSA
202	0400	Anderson, IN MSA
203	4760	Manchester, NH MSA
204	4890	Medford, OR MBA
207	3710	Joplin, MO MSA
209	4800	Mansfield, OH MSA
211	7610	Sharon, PA MSA
216	6560	Pueblo, CO MSA
219	4200	Lawton, OK MSA
221	1040	Bloomington-Normal, IL MSA
222	2750	Fort Walton Beach, FL MSA
224	1305	Burlington, VT MSA
225	9140	Williamsport, PA MSA
226	7720	Sioux City, IA-NE MSA (Nebraska portion not in sample)
231	7760	Sioux Falls, SD MSA
233	2655	Florence, SC MSA
240	0860	Bellingham, WA MSA
242	9340	Yuba City, CA MSA

<u>CMSA/ MSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>CMSA/MSA TITLE</u>
246	1740	Colombia, MO MSA
247	2880	Gadsden, AL MSA
248	2580	Fayetteville-Springdale, AK MSA
252	3740	Kankakee, IL MSA



## LIST 2: PMSA 1983 RANK CODES (PMSARANK)

Note: The PMSA Rank is assigned based on a PMSA's population when compared to other PMSA's within the parent CMSA,

<u>CMSA RANK CODE</u>	<u>PMSA RANK CODE</u>	<u>FIPS MSA PMSA CODE</u>	<u>PMSA TITLE</u>
001	01	5600	New York, NY
	02	5380	Nassau-Suffolk, NY
	03	5640	Newark, NJ
	04	0875	Bergen-Passaic, NJ
	05	5015	Middlesex-Somerset-Hunterdon, NJ
	06	5190	Monmouth-Ocean, NJ
	07	3640	Jersey City, NJ
	08	1160	Bridgeport-Milford, CT
	09	5950	Orange County, NY
	10	8040	Stamford, CT
	11	1930	Danbury, CT
	12	5760	Norwalk, CT
002	01	4480	Los Angeles-Long Beach, CA
	02	0360	Anaheim-Santa Ana, CA
	03	6700	Riverside-San Bernardino, CA
	04	6000	Oxnard-Ventura, CA
003	01	1600	Chicago, IL
	02	2960	Gary-Hammond, IN
	03	3965	Lake County, IL
	04	3690	Joliet, IL
004	05	0620	Aurora-Elgin, IL
	01	6160	Philadelphia, PA-NJ
	02	9160	Wilmington, DE-NJ-MD (New Jersey portion not identified, Maryland portion suppressed.)
	03	8400	Trenton, NJ
005	01	5775	Oakland, CA
	02	7360	San Francisco, CA
	03	7400	San Jose, CA
	04	8720	Vallejo-Fairfield-Napa, CA
	05	7500	Santa Rosa-Petaluma, CA
	06	7485	Santa Cruz, CA
006	01	2160	Detroit, MI
	02	0440	Ann Arbor, MS
007	01	1120	Boston, MA
	02	4160	Lawrence-Haverill, MA-NH (New Hampshire portion not identified)
	03	7090	Salem-Gloucester, MA
	04	4560	Lowell, MA-NH (New Hampshire portion not identified)
	05	1200	Brockton, MA
008	01	3360	Houston, TX
	02	2920	Galveston-Texas City, TX
	03	1145	Brazoria, TX

<u>CMSA RANK CODE</u>	<u>PMSA RANK CODE</u>	<u>FIPS MSA PMSA CODE</u>	<u>PMSA TITLE</u>
010	01	1920	Dallas, TX
	02	2800	Fort Worth-Arlington, TX
011	01	1680	Cleveland, OH
	02	0080	Akron, OH
	03	4440	Lorain-Elyria, OH
012	01	5000	Miami-Hialeah, FL
	02	2600	Fort Lauderdale-Hollywood-Pompano Beach, FL
013	01	6280	Pittsburgh, PA
	02	0845	Beaver County, PA
014	01	7040	St. Louis, MO-IL (Illinois portion not identified)
018	01	7600	Seattle, WA
	02	8200	Tacoma, WA
021	01	2080	Denver, CO
	02	1125	Boulder-Longmont, CO
022	01	1640	Cincinnati, OH-KY-IN (Indiana portion not identified)
	02	3200	Hamilton-Middletown, OH
024	01	5080	Milwaukee, WI
	02	6600	Racine, WI
026	01	6440	Portland, OR
	02	8725	Vancouver, WA
030	01	1200	Buffalo, NY
	02	5700	Niagara Falls, NY
034	01	6400	Providence, RI
	02	6060	Pawtucket-Woonsocket-Attleboro, RI-MA (Rhode Island-Central City portion only identified)
036	01	3200	Hartford, CT
	02	5440	New Britain, CT

LIST 3: INDIVIDUAL CENTRAL CITY CODES (CCCODE)

CMSA/MSA RANK CODE (MSARANK)	PMSA RANK CODE (PMSARANK)	INDIVIDUAL CENTRAL CITY CITY CODE (CCCODE)	CITY
001	03	1	Newark, NJ
		2	Elizabeth, NJ
002	01	1	Los Angeles, CA
		2	Long Beach, CA
		3	Pasadena, CA
		0	Others
	02	1	Anaheim, CA
		2	Santa Ana, CA
	03	1	Riverside, CA
		0	Others
003	01	1	Chicago, IL
		0	Others
	02	1	Gary, IN
		0	Others
005	01	1	Oakland, CA
		0	Others
006	01	1	Detroit, MI
		0	Others
007	01	1	Boston, MA
		0	Others
010	01	1	Dallas, TX
		0	Others
	02	1	Fort Worth, TX
		2	Arlington, TX
012	01	1	Miami, FL
		0	Others
	02	1	Fort Lauderdale, FL
		0	Others
017	-	1	Minneapolis, MN
		0	Others
020	-	1	Tampa, FL
		0	Others
023	-	1	Phoenix, AZ
		2	Mesa, AZ
		0	Others
029	-	1	Norfolk, VA
		2	Virginia Beach, VA
		3	Newport News, VA
		4	Hampton, VA
		0	Others
045	-	1	Greensboro, NC
		0	Others
046	-	1	Albany, NY
		0	Others
060	-	1	Raleigh, NC
		0	Others
069	-	1	Springfield, MA
		0	Others





**LIST 4: FIPS MSA/PMSA CODES (SMSAFIPS)**

<u>CMSA/ MSA RANK CODE</u>	<u>PMSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>MSA/PMSA TITLE</u>
O11	02	0080	Akron, OH, PMSA
046		0160	Albany-Schenectady-Troy, NY MSA
078		0200	Albuquerque, NM MSA
055		0240	Allentown-Bethlehem, PA-NJ MSA (New Jersey portion not identified)
201		0280	Altoona, PA MSA
002	02	0360	Anaheim-Santa Ana, CA PMSA
143		0380	Anchorage, AK MSA
202		0400	Anderson, IN MSA
194		0405	Anderson, SC MSA
006	02	0440	Ann Arbor, MI PMSA
111		0460	Appleton-Oshkosh-Neenah, WI MSA
171		0480	Asheville, NC MSA
015		0520	Atlanta, GA MSA
094		0600	Augusta, GA-SC MSA
003	05	0620	Aurora-Elgin, IL PMSA
056		0640	Austin, TX MSA
075		0680	Bakersfield, CA MSA
016		0720	Baltimore, MD MSA
066		0760	Baton Rouge, LA MSA
193		0780	Battle Creek, MI MSA
086		0840	Beaumont-Port Arthur, FL MSA
013	02	0845	Beaver County, PA PMSA
240		0860	Bellingham, WA MSA
172		0870	Denton Harbor, MI MSA
001	04	0875	Bergen-Passaic, NJ PMSA
152		0920	Biloxi-Gulfport, MS MSA
122		0960	Binghamton, NY MSA
043		1000	Birmingham, AL MSA
221		1040	Bloomington-Normal, IL MSA
156		1080	Boise City, ID MSA
007	01	1120	Boston, MA PMSR
021	02	1125	Boulder-Longmont, CO PMSA
170		1140	Bradenton, FL MSA
008	03	1145	Brazoria, TX PMSA
001	08	1160	Bridgeport-Milford, CT PMSA
007	05	1200	Brockton, MA PMSA
134		1240	Brownsville-Harlingen, TX MSA
030	01	1280	Buffalo, NY PMSA
224		1305	Burlington, VT MSA
085		1320	Canton, OH MSA
164		1360	Cedar Rapids, IA MSA
166		1400	Champaign-Urbana-Rantoul, IL MSA
073		1440	Charleston, SC MSA
120		1480	Charleston, WV MSA
035		1520	Charlotte-Gastonia-Rock Hill, NC-SC MSA
081		1560	Chattanooga, TN-A MSA (Marion and Sequatchie counties Tennessee not in sample)

<u>CMSA/ MSA RANK CODE</u>	<u>PMSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>MSA/PMSA TITLE</u>
003	01	1600	Chicago, IL PMSA
179		1620	Chico, CA MSA
022	01	1640	Cincinnati, OH-KY-IN PMSA (Indiana portion not identified)
011	01	1680	Cleveland, OH PMSA
100		1720	Colorado Springs, CO MSA
246		1740	Colombia, MO MSA
080		1760	Columbia, SC MSA
130		1800	Columbus, GA-AL MSA (Alabama portion not in sample)
020	-	1840	Columbus, OH MSA
095		1880	Corpus Christi, TX MSA
010	01	1920	Dallas, TX PMSA
001	11	1930	Danbury, CT PMSR
088		1960	Davenport-Rock Island-Moline, IA-IL MSA
041		2000	Dayton-Springfield, OH MSA
112		2020	Daytona Beach, FL MSA
021	01	2080	Denver, CO PMSA
090		2120	Des Moines, IA MSA (Dallas county not in sample)
006	01	2160	Detroit, MI PMSA
125		2240	Duluth, MN-WI MSA (Wisconsin portion not identified)
070		2320	El Paso, TX MSA
116		2360	Erie, PA MSA
121		2400	Eugene-Springfield, OR MSA
118		2440	Evansville, IN-KY MSA (Kentucky portion not identified)
129		2560	Fayetteville, NC MSA
248		2580	Fayetteville-Springdale, AK MSA
077		2640	Flint, MI MSA
199		2650	Florence, AL MSA
233		2655	Florence, SC MSA
174		2670	Fort Collins-Loveland, CO MSA
012	02	2600	Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA
131		2700	Fort Myers, FL MSA
169		2720	Fort Smith, AR-OK MSA (Oklahoma portion not in sample)
222		2750	Fort Walton Beach, FL MSA
097		2760	Fort Wayne, IN MSA
010	02	2800	Fort Worth-Arlington, TX PMSA
065		2840	Fresno, CA MSA
247		2880	Gadsden, AL MSA
157		2900	Gainesville, FL MSA
008	02	2920	Galveston-Texas City, TX PMSA
003	02	2960	Gary-Hammond, IN PMSA
057		3000	Grand Rapids, MI MSA
045		3120	Greenboro-Winston Salem-High Point, NC MSA
061		3160	Greenville-Spartanburg, SC MSA
022	02	3200	Hamilton-Middletown, OH PMSA
064		3240	Harrisburg-Lebanon-Carlisle, PA MSA (Lebanon county not in sample)
036	01	3200	Hartford, CT PMSA
145		3290	Hickory, NC MSA
047		3320	Honolulu, HI MSA
153		3350	Houma-Thibodaux, LA MSA
008	01	3360	Houston, TX PMSA

<u>CMSA/ MSA RANK CODE</u>	<u>PMSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>MSA/PMSA TITLE</u>
101		3400	Huntington-Ashland, WV-KY-OH MSA (Kentucky and Ohio portions not identified)
146		3440	Huntsville, AL MSA
032		3480	Indianapolis, IN MSA
185		3520	Jackson, MS MSA
092		3560	Jackson, MS MSA
050		3600	Jacksonville, FL MSA
001	07	3640	Jersey City, NJ PMSA
076		3660	Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia portion not identified)
124		3680	Johnstown, PA MSA
003	04	3690	Joliet, IL PMSA
207		3710	Joplin, MO MSA
142		3720	Kalamazoo, MI MSA
252		3740	Kankakee, IL MSA
025		3760	Kansas City, MO-KS MSA
140		3810	Killeen-Temple, TX MSA
062		3040	Knoxville, TN MSA
139		3880	Lafayette, LA MSA
163		3960	Lake Charles, LA MSA
003	03	3965	Lake County, IL PMSA
099		3980	Lakeland-Winter Haven, FL MSA
091		4000	Lancaster, PA MSA
083		4040	Lansing-East Lansing, MI MSA
060		4120	Las Vegas, NV MSA
007	02	4160	Lawrence-Haverill, MA-NH PMSA (New Hampshire portion not identified)
219		4200	Lawton, OK MSA
104		4280	Lexington-Fayette, KY MSA
181		4320	Lima, OH MSA
151		4360	Lincoln, NE MSA
072		4400	Little Rock-North Little Rock, AK MSA
011	03	4440	Lorain-Elyria, OH PMSA
002	01	4480	Los Angeles-Long Beach, CA PMSA
040		4520	Louisville, KY-IN MSA
007	04	4560	Lowell, MA-NH PMSA (New Hampshire portion not identified)
138		4600	Lubbock, TX MSA
119		4680	Macon-Warner Robins, GA MSA
102		4720	Madison, WI MSA
203		4760	Manchester, NH MSA
209		4800	Mansfield, OH MSA
103		4880	McAllen-Edinburg-Mission, TX MSA
204		4890	Medford, OR MSA
110		4900	Melbourne-Titusville-Palm Bay, FL MSA
042		4920	Memphis, TN-AR-MS MSA (Arkansas and Mississippi portions not identified)
012	01	5000	Miami-Hialeah, FL PMSA
001	05	5015	Middlesex-Somerset-Hunterdon, NJ PMSA
024	01	5000	Milwaukee, WI PMSA
017		5120	Minneapolis-St. Paul, MN-WI MSA (Wisconsin portion not identified)
074		5160	Mobile, AL MSA (Baldwin county not in sample)

<u>CMSA/ MSA RANK CODE</u>	<u>PMSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>MSA/PMSA TITLE</u>
113		5170	Modesto, CA MSA
001	06	5190	Monmouth-Ocean, NJ PMSA
106		5200	Monroe, LA MSA
115		5240	Montgomery, AL MSA
100		5320	Muskegon, MI MSA
044		5360	Nashville, TN MSA
001	02	5380	Nassau-Suffolk, NY PMSA
165		5400	New Bedford, MA MSA
036	02	5440	New Britain, CT PMSA
071		5400	New Haven-Meriden, CT MSA
126		5520	New London-Norwich, CT-RI MSA (Rhode Island portion suppressed)
027		5560	New Orleans, LA MSA
001	01	5600	New York, NY PMSA
001	03	5640	Newark, NJ PMSA
030	02	5700	Niagara falls, NY PMSA
029		5720	Norfolk-Virginia Beach-Newport News, VA MSA
001	12	5760	Norwalk, CT PMSA
005	01	5775	Oakland, CA PMSA
184		5790	Ocala, FL MSA
039		5880	Oklahoma City, OK MSA
197		5910	Olympia, WA MSA
059		5920	Omaha, NE-IA MSA (Iowa portion not identified)
001	09	5950	Orange County, NY PMSA
048		5960	Orlando, FL MSA
002	04	6000	Oxnard-Ventura, CA PMSA
034	02	6060	Pawtucket-Woonsocket-Attleboro, RI-MA PMSA (Rhode Island Central City portion only identified)
100		6000	Pensacola, FL MSA
093		6120	Peoria, IL MSA
004	01	6160	Philadelphia, PA-NJ PMSA
023		6200	Phoenix, AZ MSA
013	01	6200	Pittsburgh, PA PMSA
150		6400	Portland, ME MSA
026	01	6440	Portland, OR PMSA
149		6450	Portsmouth-Dover-Rochester, NH-ME MSA (Maine portion not entirely in sample and it is not identified)
128		6460	Poughkeepsie, NY MSA
034	01	6480	Providence, RI PMSA
133		6520	Provo-Orem, UT MSA (Central City portion only identified)
216		6560	Pueblo, CO MSA
024	02	6600	Racine, WI PMSA
060		6640	Raleigh-Durham, NC MSA
107		6600	Reading, PA MSA
144		6720	Reno, NV MSA (Central City portion only identified)
049		6760	Richmond-Petersburg, VA MSA (Dinwiddie and Prince George counties and Colonial Heights, Hopewell, and Petersburg cities not in sample)
002	03	6700	Riverside-San Bernardino, CA PMSA
137		6800	Roanoke, VA MSA
038		6840	Rochester, NY MSA

<u>CMSA/ MSA RANK CODE</u>	<u>PMSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>MSA/PMSA TITLE</u>
117		6880	Rockford, IL MSA
031		6920	Sacramento, CA MSA
082		6960	Saginaw-Bay City-Midland, MI MSA
014	01	7040	St. Louis, FL PMSA (Illinois portion not identified)
127		7080	Salem, OR MSA
007	03	7090	Salem-Gloucester, MA PMSA
109		7120	Salinas-Seaside-Monterey, CA MSA
037		7160	Salt Lake City-Ogden, UT MSA
033		7240	San Antonio, TX MSA
019		7320	San Diego, CA MSA
005	02	7360	San Francisco, CA PMSA
005	03	7400	San Jose, CA PMSA
106		7480	Santa Barbara-Santa Maria-Lompoc, CA MSA
005	06	7485	Santa Cruz, CA PMSA
005	05	7500	Santa Rosa-Petaluma, CA PMSA
136		7510	Sarasota, FL MSA
135		7520	Savannah, GA MSA
051		7560	Scranton-Wilkes Barre, PA MSA (Monroe county not in sample)
018	01	7600	Seattle, WA PMSA
211		7610	Sharon, PA MSA
096		7680	Shreveport, LA MSA
226		7720	Sioux City, IA-NE MSA (Nebraska portion not in sample)
231		7760	Sioux Falls, SD MSA
132		7800	South Bend-Mishawaka, IN MSA
090		7840	Spokane, WA MSA
154		7880	Springfield, IL MSA
141		7920	Springfield, MO MSA
069		8000	Springfield, MA MSA
001	10	8040	Stamford, CT PMSA
089		8120	Stockton, CA MSA
054		8160	Syracuse, NY MSA
018	02	8200	Tacoma, WA PMSA
148		8240	Tallahassee, FL MSA
020		8280	Tampa-St. Petersburg-Clearwater, FL MSA
198		8320	Terre Haute, IN MSA
058		8400	Toledo, OH MSA
170		8440	Topeka, KA MSA (Central City portion only identified)
004	03	8480	Trenton, NJ PMSA
063		8520	Tucson, AZ MSA
052		8560	Tulsa, OK MSA
192		8600	Tuscaloosa, AL MSA
105		0680	Utica-Rome, NY MSA
005	04	8720	Vallejo-Fairfield-Napa, CA PMSA
026	02	8725	Vancouver, WA PMSA
123		8780	Visalia-Tulare-Porterville, CA MSA
161		8800	Waco, TX MSA
009		8840	Washington, DC-MD-VA MSA
147		8880	Waterbury, CT MSA
173		8920	Waterloo-Cedar Falls, IA MSA
053		8960	West Palm Beach-Boca Raton-Delray Beach, FL MSA
158		9000	Wheeling, WV-OH MSA (Ohio portion not identified)

<u>CMSA/ MSA RANK CODE</u>	<u>PMSA RANK CODE</u>	<u>FIPS MSA/ PMSA CODE</u>	<u>MSA/PMSA TITLE</u>
079		9040	Wichita, KA MSA
225		9140	Williamsport, PA MSA
004	02	9160	Wilmington, DE-NJ-MD PMSA (New Jersey portion not identified, Maryland portion suppressed.)
004		9240	Worcester, MA MSA
087		9280	York, PA MSA
067		9320	Youngstown-Warren, OH MSA
242		9340	Yuba City, CA MSA





## ATTACHMENT 20

### Topcoding of Usual Hourly Earnings

This variable will be topcoded based on an individual's usual hours worked variable, if the individual's edited usual weekly earnings variable is \$999. The topcode is computed such that the product of usual hours times usual hourly earnings does not exceed an annualized wage of \$100,000 (\$1,923.07 per week). Below is a list of the appropriate topcodes.

Hours	Topcode	Hours	Topcode	Hours	Topcode
1	None	34	\$56.56	67	\$28.70
2	None	35	\$54.94	68	\$28.28
3	None	36	\$53.41	69	\$27.87
4	None	37	\$51.97	70	\$27.47
5	None	38	\$50.60	71	\$27.08
6	None	39	\$49.30	72	\$26.70
7	None	40	\$48.07	73	\$26.34
8	None	41	\$46.90	74	\$25.98
9	None	42	\$45.78	75	\$25.64
10	None	43	\$44.72	76	\$25.30
11	None	44	\$43.70	77	\$24.97
12	None	45	\$42.73	78	\$24.65
13	None	46	\$41.80	79	\$24.34
14	None	47	\$40.91	80	\$24.03
15	None	48	\$40.06	81	\$23.74
16	None	49	\$39.24	82	\$23.45
17	None	50	\$38.46	83	\$23.16
18	None	51	\$37.70	84	\$22.89
19	None	52	\$36.98	85	\$22.62
20	\$96.15	53	\$36.28	86	\$22.36
21	\$91.57	54	\$35.61	87	\$22.10
22	\$87.41	55	\$34.96	88	\$21.85
23	\$83.61	56	\$34.34	89	\$21.60
24	\$80.12	57	\$33.73	90	\$21.36
25	\$76.92	58	\$33.15	91	\$21.13
26	\$73.96	59	\$32.59	92	\$20.90
27	\$71.22	60	\$32.05	93	\$20.67
28	\$68.68	61	\$31.52	94	\$20.45
29	\$66.31	62	\$31.01	95	\$20.24
30	\$64.10	63	\$30.52	96	\$20.03
31	\$62.03	64	\$30.04	97	\$19.82
32	\$60.09	65	\$29.58	98	\$19.62
33	\$58.27	66	\$29.13	99	\$19.42



## ATTACHMENT 21

### Source and Accuracy of Estimates for the November 1988 CPS Voting and Registration Supplement

#### Source of Data

Most estimates in this report come from data obtained in November of years 1964 through 1988 in the Current Population Survey (CPS). The Bureau of the Census conducts the survey every month, although this report uses mostly November data for its estimates. The November survey uses two sets of questions, the basic CPS and the supplement.

**Basic CPS.** The basic CPS collects primarily labor force data about the civilian noninstitutional population. Interviewers ask questions concerning labor force participation about each member 14 years old and over in every sample household.

The present CPS sample was selected from the 1980 decennial census files with coverage in all 50 states and the District of Columbia. The sample is continually updated to account for new residential construction. It is located in 729 areas comprising 1,973 counties, independent cities, and minor civil divisions. About 56,100 occupied housing units are eligible for interview every month. Interviewers are unable to obtain interviews at about 2,500 of these units because the occupants are not home after repeated calls or are unavailable for some other reason.

Since the introduction of the CPS, the Bureau of the Census has redesigned the CPS sample several times to improve the quality and reliability of the data and to satisfy changing data needs. The most recent changes were completely implemented in July 1985.

The following table summarizes changes in the CPS designs for the years for which data appear in this report.

Description of the Current Population Survey

Time Period	Number of Sample Areas	Housing Units Eligible	
		Interviewed	Not Interviewed
1988	729	53,600	2,500
1986	729	57,000	2,500
1982 to 1984	629	59,000	2,500
1980	629	65,500	3,000
1978	614	55,000	3,000
1974 to 1976	461	46,500	2,500
1972	449	45,000	2,000
1968 to 1970	449	48,000	2,000
1964 to 1966	357	33,500	1,500

**November 1988 Supplement.** In addition to the basic CPS questions, interviewers asked supplementary questions in November 1988 about voting and registration.

**Estimation Procedure.** This survey's estimation procedure inflates weighted sample results to independent estimates of the civilian noninstitutional population of the United States by age, sex, race, and Hispanic origin. The independent estimates were based on statistics from decennial censuses of population; statistics on births, deaths, immigration and emigration; and statistics on the size of the Armed Forces. The independent population estimates used from 1981 to the present were based on updates to controls established by the 1980 decennial census. Data before 1981 were based on independent population estimates from the most recent decennial census. For more details on the change in independent estimates, see the section entitled *Introduction of 1980 Census Population Controls* in an earlier report (Series P-60, No. 133).

The estimates in this report for 1985 and later also employ a revised survey weighting procedure for persons of Hispanic origin. In previous years, weighted sample results were inflated to independent estimates of the noninstitutional population by age, sex, and race. There was no specific control of the survey estimates for the Hispanic population. Since then, the Bureau of the Census developed independent population controls for the Hispanic population by sex and detailed age groups. Revised weighting procedures incorporate these new controls. The independent population estimates include some, but not all, undocumented immigrants.

### **Accuracy of the Estimates**

Since the CPS estimates come from a sample, they may differ from figures from a complete census using the same questionnaires, instructions, and enumerators. A sample survey estimate has two possible types of error: sampling and nonsampling. The accuracy of an estimate depends on both types of error, but the full extent of the nonsampling error is unknown. Consequently, one should be particularly careful when interpreting results based on a relatively small number of cases or on small differences between estimates. The standard errors for CPS estimates primarily indicate the magnitude of sampling error. They also partially measure the effect of some nonsampling errors in responses and enumeration, but do not measure systematic biases in the data. (Bias is the average over all possible samples of the differences between the sample estimates and the desired value.)

**Nonsampling Variability.** Nonsampling errors can be attributed to many sources. These sources include the inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, respondents' inability or unwillingness to provide correct information or to recall information, errors made in data collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all units with the sample (undercoverage).

CPS undercoverage results from missed housing units and missed persons within sample households. Compared to the level of the 1980 decennial census, overall CPS undercoverage is about 7 percent. CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for Blacks and other races combined than for Whites. As described previously, ratio estimation to independent age-sex-race-Hispanic population controls partially corrects for the bias due to undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics from those of interviewed persons in the same age-sex-race-Hispanic group. Furthermore, the independent population controls have not been adjusted for undercoverage in the 1980 census.

For additional information on nonsampling error including the possible impact on CPS data when known, refer to Statistical Policy Working Paper 3, *An Error Profile: Employment as Measured by the Current Population Survey*, Office of Federal Statistical Policy and Standards, U.S. Department of Commerce, 1978 and Technical Paper 40, *The Current Population Survey: Design and Methodology*, Bureau of the Census, U.S. Department of Commerce.

**Sampling Variability.** Sampling variability is variation that occurred by chance because a sample was surveyed rather than the entire population. Standard errors, as calculated by methods described later in *Standard Errors and Their Use*, are primarily measures of sampling variability, although they may include some nonsampling error.

**Comparability of Data.** Data obtained from the CPS and other sources are not entirely comparable. This results from differences in interviewer training and experience and in differing survey processes. This is an example of nonsampling variability not reflected in the standard errors. Use caution when comparing results from different sources.

Caution should also be used when comparing estimates in this report, which reflect 1980 census-based population controls, with estimates for 1980 and earlier years, which reflect 1970 census-based population controls. This change in population controls had relatively little impact on summary measures such as means, medians, and percentage distributions, but did have a significant impact on levels. For example, use of 1980 based population controls results in about a 2-percent increase in the civilian noninstitutional population and in the number of families and households. Thus, estimates of levels for data collected in 1981 and later years will differ from those for earlier years by more than what could be attributed to actual changes in the population. These differences could be disproportionately greater for certain subpopulation groups than for the total population.

Since no independent population control totals for persons of Hispanic origin were used before 1985, compare Hispanic estimates over time cautiously.

**Note When Using Small Estimates.** Summary measures (such as medians and percentage distributions) are shown only when the base is 75,000 or greater. Because of the large standard errors involved, summary measures would probably not reveal useful information when computed on a smaller base. However, estimated numbers are shown even though the relative standard errors of these numbers are larger than those for corresponding percentages. These smaller estimates permit combinations of the categories to suit data users' needs. Take care in the interpretation of small differences. For instance, even a small amount of nonsampling error can cause a borderline difference to appear significant or not, thus distorting a seemingly valid hypothesis test.

**Standard Errors and Their Use.** A number of approximations are required to derive, at a moderate cost, standard errors applicable to all the estimates in this report. Instead of providing an individual standard error for each estimate, generalized sets of standard errors are provided for various types of characteristics. Thus, the tables show levels of magnitude of standard errors rather than the precise standard errors.

The sample estimate and its standard error enable one to construct a confidence interval, a range that would include the average result of all possible samples with a known probability. For example, if all possible samples were surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.

A particular confidence interval may or may not contain the average estimate derived from all possible samples. However, one can say with specified confidence that the interval includes the average estimate calculated from all possible samples.

Some statements in the report may contain estimates followed by a number in parentheses. This number can be added to and subtracted from the estimate to calculate upper and lower bounds of the 90-percent confidence interval. For example, if a statement contains the phrase "grew by 1.7 percent (+1.0)," the 90-percent confidence interval for the estimate, 1.7 percent, is 0.7 percent to 2.7 percent.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common type of hypothesis appearing in this report is that the population parameters are different. An example of this would be comparing the voting turnout rates of 1988 and 1984.

Tests may be performed at various levels of significance, where a significance level is the probability of concluding that the characteristics are different when, in fact, they are the same. All statements of comparison in the text have passed a hypothesis test at the 0.10 level of significance or better. This means that the absolute value of the estimated difference between characteristics is greater than or equal to 1.6 times the standard error of the difference.

**Standard Errors of Estimated Numbers.** There are two ways to compute the approximate standard error,  $s_x$ , of an estimated number shown in this report. The first uses the formula

$$s_x = fs \quad (1)$$

where  $f$  is a factor from Tables C-5 through C-7, and  $s$  is the standard error of the estimate obtained by interpolation from Table C-1. The second method uses formula (2), from which the standard errors in Table C-1 were calculated. This formula will provide more accurate results than formula (1).

$$s_x = \sqrt{ax^2 + bx} \quad (2)$$

Here  $x$  is the size of the estimate and  $a$  and  $b$  are the parameters in Tables C-5 through C-7 associated with the particular type of characteristic. When calculating standard errors for numbers from cross-tabulations involving different characteristics, use the factor or set of parameters for the characteristic which will give the largest standard error.

**Illustration.** Table 7 of the report shows that 2,520,000 Blacks age 18 years and over are not enrolled in school in 1988. Using formula (1) with  $f = 1.00$  from Table C-6 and  $s = 111,000$  interpolating from Table C-1, the standard error of 2,520,000 is

$$s_x = (1.00) (111,000) = 111,000$$

Alternatively, using formula (2) with  $a = -0.000284$  and  $b = 5,602$  from Table C-6, the approximate standard error is

$$s_x = \sqrt{(-0.000284) (2,520,000)^2 + (5,602) (2,520,000)} = 111,000$$

So the 90-percent confidence interval for the number of Blacks 18 years and over not enrolled in school in 1988 is from 2,342,000 to 2,698,000, i.e.,  $2,520,000 \pm 1.6(111,000)$ . Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

**Standard Errors of Estimated Percentages.** The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends on the size of the percentage and its base. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more. When the numerator and denominator of the percentage are in different categories, use the factor or parameter from Tables C-5 through C-7 indicated by the numerator.

The approximate standard error,  $s_{x,p}$ , of an estimated percentage can be obtained by use of the formula

$$s_{x,p} = fs \quad (3)$$

In this formula,  $f$  is the appropriate factor from Tables C-5 through C-7, and  $s$  is the standard error of the estimate obtained by interpolation from Table C-2, C-3 or C-4.

Alternatively, formula (4) will provide more accurate results:

$$s_{x,p} = \sqrt{bp(100 - p)/x} \quad (4)$$

Here  $x$  is the total number of persons, families, households, or unrelated individuals in the base of the percentage,  $p$  is the percentage ( $0 \leq p \leq 100$ ), and  $b$  is the parameter in Tables C-5 through C-7 associated with the characteristic in the numerator of the percentage.

**Illustration.** Table 2 shows that 36.7 percent of the 21,092,000 Whites age 18 through 24 reported that they did vote in 1988. Using formula (3) with  $f = 1.00$  from Table C-5 and  $s = 0.6$  interpolating from Table C-2, the standard error for 36.7 percent approximately

$$s_{x,p} = (1.00) (0.6) = 0.6$$

Alternatively, using formula (4) and  $b = 3827$  from Table C-5, the standard error of 36.7 percent is approximately

$$s_{x,p} = \sqrt{(3,827) (36.7) (100-36.7)/21,092,000} = 0.6$$

The 90-percent confidence interval for the estimated percentage of Whites age 18-24 who voted in 1988 is from 35.7 percent to 37.7 percent, i.e., 36.7 percent  $\pm$  (1.6) (0.6).

**Standard Error of a Difference.** The standard error of the difference between two sample estimates is approximately equal to

$$s_{x-y} = \sqrt{s_x^2 + s_y^2} \quad (5)$$

where  $s_x$  and  $s_y$  are the standard errors of the estimates,  $x$  and  $y$ . The estimates can be numbers, percentages, ratios, etc. This will represent the actual standard error quite accurately for the difference between estimates of the same characteristic in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. However, if there is a high positive (negative) correlation between the two characteristics, the formula will overestimate (underestimate) the true standard error.

**Illustration of the Computation of the Standard Error of a Difference.** Table 1 shows that in 1988, 65.2 percent of the 84,531,000 males were registered. Table 1 also shows 67.8 percent of the 93,568,000 the females were registered. The apparent difference between the percent of males and females who registered is 2.6 percent. Using formula (4) with  $b = 3827$  from Table C-5, the approximate standard error  $s_x$  for 65.2 percent is 0.3. The standard error  $s_y$  for 67.8 percent is 0.3 ( $b = 3827$ ). Using formula (5), the standard error for the estimated difference of 2.6 percent is about

$$s_{x-y} = \sqrt{(0.3)^2 + (0.3)^2} = 0.4$$

This means that the 90-percent confidence interval around the difference is from 2.0 percent to 3.2 percent, i.e., 2.6  $\pm$  (1.6) (0.4). Because the interval does not contain zero, we can conclude with 90 percent confidence that the percentage of registered males is larger than the percentage of registered females.

**Standard Error of a Ratio.** Certain estimates may be calculated as the ratio of two numbers. The standard error of a ratio,  $x/y$ , may be computed using

$$s_{x/y} = \frac{x}{y} \sqrt{\left(\frac{s_x}{x}\right)^2 + \left(\frac{s_y}{y}\right)^2 - 2r \frac{s_x s_y}{xy}} \quad (6)$$

The standard error of the numerator,  $s_x$ , and that of the denominator,  $s_y$ , may be calculated using formula (2). Alternatively, use formula (1) and Tables C-1 through C-4. In formula (6),  $r$  represents the correlation between the numerator and the denominator of the estimate.

For one type of ratio, the denominator is a count of families or households and the numerator is a count of persons in those families or households with a certain characteristic. If there is at least one person with the characteristic in every family or household, use 0.7 as an estimate of  $r$ . An example of this type is the mean number of children per family with children.

For all other types of ratios,  $r$  is assumed to be zero. If  $r$  is actually positive (negative), then this procedure will provide an overestimate (underestimate) of the standard error of the ratio. An example of this type of ratio is given the illustration below.

NOTE: For estimates expressed as the ratio of  $x$  per 100  $y$  or  $x$  per 1,000  $y$ , multiply formula (12) by 100 or 1,000, respectively, to obtain the standard error.

**Illustration.** Table 8 shows that 36.7 percent of the 19,145,000 people who completed 8 years or less of school voted in 1988. Table 8 also shows that 77.6 percent of the 33,604,000 people who completed 4 or more years of college voted in 1988. The ratio of the percentage for the college educated ( $x = 77.6$ ) to the percentage for those educated 8 years or less ( $y = 36.7$ ) is 2.11. Using formula (4) with  $b = 3827$  from Table C-5, the approximate standard error  $s_x$  for 77.6 percent is 0.4. The standard error  $s_y$  for 36.7 percent is 0.7 ( $b = 3827$ ). Therefore

$$s_x/x)^2 = 0.00003 \text{ and } (s_y/y)^2 = 0.0004.$$

Using formula (6) and  $r = 0$ , the standard error of the estimated ratio 2.11 is

$$s_{x/y} = (2.11) \sqrt{0.00003 + 0.0004} = 0.04.$$

This means that the 90-percent confidence interval around the ratio is from 2.05 to 2.17, i.e.,  $2.11 \pm (1.6) (0.04)$ .



Table C-1. Standard Errors of Estimated Numbers of Persons.  
(Numbers in thousands)

Estimate	Total or White	Black	Hispanic
25	10	12	15
50	14	17	22
75	17	20	27
100	20	24	31
250	31	37	48
750	53	64	83
1,000	62	73	95
2,500	97	111	144
5,000	136	145	188
7,500	166	161	209
10,000	190	166	216
15,000	229	142	184
20,000	261	(X)	(X)
25,000	287	(X)	(X)
50,000	371	(X)	(X)
75,000	408	(X)	(X)
100,000	410	(X)	(X)
110,000	401	(X)	(X)
150,000	301	(X)	(X)

(X) Not applicable.

NOTE: For a particular characteristic, see Tables C-5 thru C-7 for the factor to apply to the above standard errors.

Table C-2. Standard Errors of Estimated Percentages for Total or White Persons.  
(Bases in thousands)

Base of Estimate	Estimated percentage					
	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
25	5.48	8.53	11.74	15.65	16.94	19.56
50	3.87	6.03	8.30	11.07	11.98	13.83
75	3.16	4.92	6.78	9.04	9.78	11.29
100	2.74	4.26	5.87	7.83	8.47	9.78
250	1.73	2.70	3.71	4.95	5.36	6.19
750	1.00	1.56	2.14	2.86	3.09	3.57
1,000	0.87	1.35	1.86	2.47	2.68	3.09
2,500	0.55	0.85	1.17	1.57	1.69	1.96
5,000	0.39	0.60	0.83	1.11	1.20	1.38
7,500	0.32	0.49	0.68	0.90	0.98	1.13
10,000	0.27	0.43	0.59	0.78	0.85	0.98
15,000	0.22	0.35	0.48	0.64	0.69	0.80
20,000	0.19	0.30	0.41	0.55	0.60	0.69
25,000	0.17	0.27	0.37	0.49	0.54	0.62
50,000	0.12	0.19	0.26	0.35	0.38	0.44
75,000	0.10	0.16	0.21	0.29	0.31	0.36
100,000	0.09	0.13	0.19	0.25	0.27	0.31
110,000	0.08	0.13	0.18	0.24	0.26	0.29
150,000	0.07	0.11	0.15	0.20	0.22	0.25

Table C-3. Standard Errors of Estimated Percentages for Black Persons.  
(Bases in thousands)

Base of Estimate	Estimated percentage					
	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
25	6.63	10.32	14.20	18.93	20.50	23.67
50	4.69	7.30	10.04	13.39	14.49	16.74
75	3.83	5.96	8.20	10.93	11.83	13.67
100	3.31	5.16	7.10	9.47	10.25	11.83
250	2.10	3.26	4.49	5.99	6.48	7.48
750	1.21	1.88	2.59	3.46	3.74	4.32
1,000	1.05	1.63	2.25	2.99	3.24	3.74
2,500	0.66	1.03	1.42	1.89	2.05	2.37
5,000	0.47	0.73	1.00	1.34	1.45	1.67
7,500	0.38	0.60	0.82	1.09	1.18	1.37
10,000	0.33	0.52	0.71	0.95	1.02	1.18
15,000	0.27	0.42	0.58	0.77	0.84	0.97

NOTE: For a particular characteristic, see Tables C-5 or C-6 for the factor to apply to the above standard errors.

Table C-4. Standard Errors of Estimated Percentages for Hispanic Persons.  
(Bases in thousands)

Base of Estimate	Estimated percentage					
	2 or 98	5 or 95	10 or 90	20 or 80	25 or 75	50
25	8.60	13.39	18.44	24.58	26.61	30.73
50	6.08	9.47	13.04	17.38	18.82	21.73
75	4.97	7.73	10.64	14.19	15.36	17.74
100	4.30	6.70	9.22	12.29	13.30	15.36
250	2.72	4.24	5.83	7.77	8.41	9.72
750	1.57	2.45	3.37	4.49	4.86	5.61
1,000	1.36	2.12	2.91	3.89	4.21	4.86
2,500	0.86	1.34	1.84	2.46	2.66	3.07
5,000	0.61	0.95	1.30	1.74	1.88	2.17
7,500	0.50	0.77	1.06	1.42	1.54	1.77
10,000	0.43	0.67	0.92	1.23	1.33	1.54
15,000	0.35	0.55	0.75	1.00	1.09	1.25

NOTE: For a particular characteristic, see Table C-7 for the factor to apply to the above standard errors.

Table C-5. "a" and "b" Parameters for Characteristics of Total or White Persons

Characteristic	a	b	f <sup>1</sup>
Voting, registration, reasons for not voting or registering:			
CPS counts	-0.000021	3,827	1.00
Official counts	(X)	(X)	(X)
Citizenship, Household relationship, Family heads by presence of children, Marital status, Duration of residence, Tenure, Education level, Employment status, Family income of persons and Occupation group	-0.000021	3,827	1.00
Characteristics of all persons:			
Marital status	-0.000030	5,320	1.39
Education of persons	-0.000015	2,745	0.72
Education of family head	-0.000012	2,111	0.55
Employment, not in labor force, occupation	-0.000016	2,763	0.72
Unemployment	-0.000015	2,619	0.68
Persons by family income	-0.000025	4,477	1.17
Duration of residence tenure	-0.000030	5,320	1.39
Household relationships:			
Head, spouse of head	-0.000012	2,111	0.55
Nonrelative or other relative of head	-0.000030	5,320	1.39

(X) Not applicable

1. Factors to be applied to Tables C-1 and C-2, to obtain approximate standard errors of characteristics.

NOTE: For standard errors of historical data multiply parameters and factors by:

	1964	1966	1968-1980	1982-1986
a and b	0.99	1.55	0.66	0.84
f	0.99	1.24	0.81	0.92

Table C-6. "a" and "b" Parameters for Characteristics of Black Persons

Characteristic	a	b	f <sup>1</sup>
Voting, registration, reasons for not voting or registering:			
CPS counts	-0.000284	5,602	1.00
Official counts	(X)	(X)	(X)
Citizenship, Household relationship, Family heads by presence of children, Marital status, Duration of residence, Tenure Education level, Employment status, Family income of persons and Occupation group	-0.000284	5,602	1.00
Characteristics of all persons:			
Marital status	-0.000387	7,630	1.36
Education of persons	-0.000157	3,087	0.55
Education of family head	-0.000097	1,907	0.34
Employment, not in labor force, occupation	-0.000140	2,763	0.49
Unemployment	-0.000153	3,011	0.54
Persons by family income	-0.000260	5,118	0.91
Duration of residence tenure	-0.000387	7,630	1.36
Household relationships:			
Head, spouse of head	-0.000097	1,907	0.34
Nonrelative or other relative of head	-0.000387	7,630	1.36

(X) Not applicable

1. Factors to be applied to Tables C-1 and C-3, to obtain approximate standard errors of characteristics.

NOTE: For standard errors of historical data multiply parameters and factors by:

	1964	1966	1968-1980	1982-1986
a and b	0.99	1.55	0.66	0.84
f	0.99	1.24	0.81	0.92

Table C-7. "a" and "b" Parameters for Characteristics of Hispanic Persons

Characteristic	a	b	f <sup>1</sup>
Voting, registration, reasons for not voting or registering:			
CPS counts	-0.000737	9,441	1.00
Official counts	(X)	(X)	(X)
Citizenship, Household relationship, Family heads by presence of children, Marital status, Duration of residence, Tenure Education level, Employment status, Family income of persons and Occupation group	-0.000737	9,441	1.00
Characteristics of all persons:			
Marital status	-0.001004	12,859	1.36
Education of persons	-0.000406	5,203	0.55
Education of family head	-0.000251	3,214	0.34
Employment, not in labor force, Occupation	-0.000364	4,657	0.49
Unemployment	-0.000396	5,075	0.54
Persons by family income	-0.000673	8,625	0.91
Duration of residence tenure	-0.001004	12,859	1.36
Household relationships:			
Head, spouse of head	-0.000251	3,214	0.34
Nonrelative or other relative of head	-0.001004	12,859	1.36

(X) Not applicable

1. Factors to be applied to Tables C-1 and C-4, to obtain approximate standard errors of characteristics.

NOTE: For standard errors of historical data multiply parameters and factors by:

	1972-1974	1976-1980	1982-1984	1986
a and b	0.79	0.44	0.56	0.84
f	0.89	0.66	0.75	0.92

Table C-8. State Voting Parameters

States	a	b
Alabama	-0.001510	4,448
Alaska	-0.001444	487
Arizona	-0.001609	3,616
Arkansas	-0.001388	2,402
California	-0.000366	7,048
Colorado	-0.001522	3,636
Connecticut	-0.001680	4,117
Delaware	-0.001531	712
District of Columbia	-0.001436	698
Florida	-0.000327	2,826
Georgia	-0.001304	5,567
Hawaii	-0.001523	1,107
Idaho	-0.001384	968
Illinois	-0.000382	3,285
Indiana	-0.001465	5,972
Iowa	-0.001293	2,793
Kansas	-0.001294	2,326
Kentucky	-0.001426	3,920
Louisiana	-0.001412	4,561
Maine	-0.001411	1,218
Maryland	-0.001572	5,198
Massachusetts	-0.000372	1,683
Michigan	-0.000388	2,608
Minnesota	-0.001467	4,558
Mississippi	-0.001359	2,523
Missouri	-0.001454	5,463
Montana	-0.001310	790
Nebraska	-0.001230	1,446
Nevada	-0.001826	1,277
New Hampshire	-0.001744	1,290
New Jersey	-0.000359	2,086
New Mexico	-0.001288	1,312
New York	-0.000318	4,341
North Carolina	-0.000374	1,714
North Dakota	-0.001181	580
Ohio	-0.000357	2,872
Oklahoma	-0.001267	3,138
Oregon	-0.001694	3,400
Pennsylvania	-0.000343	3,162
Rhode Island	-0.001603	1,198
South Carolina	-0.001217	2,921
South Dakota	-0.001105	554
Tennessee	-0.001344	4,782
Texas	-0.000360	4,205
Utah	-0.001493	1,608
Vermont	-0.001638	658
Virginia	-0.001165	4,846
Washington	-0.001525	4,913
West Virginia	-0.001406	2,081
Wisconsin	-0.001303	4,665
Wyoming	-0.001643	611



Table C-9. Census Division and Region Voting Parameters

Census Divisions	a	b
New England	-0.000221	2,146
Middle Atlantic	-0.000122	3,505
East North Central	-0.000114	3,543
West North Central	-0.000280	3,631
South Atlantic	-0.000117	3,495
East South Central	-0.000369	4,103
West South Central	-0.000207	3,964
Mountain	-0.000267	2,433
Pacific	-0.000244	6,237
Regions		
Northeast	-0.000082	3,161
Midwest	-0.000081	3,569
South	-0.000063	3,757
West	-0.000151	5,237
All Except South	-0.000034	3,929



## **ATTACHMENT 22**

### **User Notes**

This section is reserved for any information relevant to the Current Population Survey, November 1988: Voting and Registration Microdata Files that indicates specific problems with the data, or that becomes available after the file is released. The cover letter to the updated information should be filed behind this page.

User notes will be sent to all users who (1) purchased their file (or technical documentation) from the Census Bureau and (2) returned the coupon on the following page.



## UPDATE INFORMATION

Additional information concerning this file may be available at a later date. If you have purchased the technical documentation (with or without tape purchase) from the Census Bureau and wish to receive these User Notes, please complete the coupon below and return it to:

Data User Services Division  
Data Access and Use Staff  
Bureau of the Census  
Washington, D.C. 20233

\*\*\*\*\*

Name of File: **Current Population Survey, November 1988: Voting and Registration**

Please send me any information that becomes available later concerning the above named file.

Name:

Address:

Phone: