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(Copied: August 20, 1992)

Current Population Survey (CPS), September 1983: Immunization Supplement

Record Group 29 Records of the Bureau of the Census

The National Archives and Records Administration (NARA) has been accepting electronic records into its holdings since the early 1970s. Technical documentation has accompanied each transfer of electronic records. The documentation is necessary to understand the meaning of the digitized bits of information within the electronic records.

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N. McGovern
May 22, 1990
Revised: J. Nelson
August 21, 1992
3-029-89-017

VALIDATION STATEMENT

When the National Archives acquired custody of this file, the accessioning procedures called for a manual comparison of the documentation to a printout of a portion of the records in each data set. This manual comparison is referred to as a "preliminary assessment" or "validation." The number of records which were compared varied from data set to data set. However, as a general rule the comparison involved less than ten records and was limited to only the first and last records in each data set. This is a statement of the results of the preliminary assessment or validation.

title: Current Population Survey (CPS), September 1983

logical record length: 480

number of datasets: 1

No discrepancies between the documentation and a sample dump of the data were noted during hand validation.



J. Nelson
August 31, 1992

NOTES ON DOCUMENTATION

The Bureau of the Census provided this copy of abstracts, codes, record layouts, and attachments for the Current Population Survey, September 1983.

Please note that the technical documentation contains attachments #14 and #15: respectively, "1980 Census of Population Industry Classification System," and "1980 Census of Population Occupation Classification Systems." The Table of Contents does not cite these attachments.

001

002

CURRENT POPULATION SURVEY, SEPTEMBER 1983

TECHNICAL DOCUMENTATION

This file documentation consists of the following materials:

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Attachment 2	Overview--September 1983 Immunization 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 September 1983 Immunization Survey Supplement Record Layout
Attachment 11	Questionnaire Facsimile
Attachment 12	Unweighted and Weighted Counts
Attachment 13	Source and Reliability of the Estimates: National Immunization Survey, September 1983

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 Data User Services Division, Customer Services (Tapes), 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, September 1983
[machine-readable data file] / conducted by the
Bureau of the Census for the Bureau of Labor
Statistics. --Washington: Bureau of the Census
[producer and distributor], 1984.

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:

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.

Supplemental data provide information on the disease history and/or protection through immunization against the common childhood diseases (diphtheria, tetanus, and whooping cough; polio; measles; rubella; and mumps) for persons 0-19 years of age. Data on immunization against influenza are available for all persons. Data are also available for adults on diabetes, chronic kidney disease, and certain chronic heart and lung conditions. Also provided is an indicator for children 0-5 years of age who were enrolled in licensed day care centers during the past year.

GEOGRAPHIC COVERAGE:

All States and 44 SMSA's are identified and ranked by population size (1970). Central city/noncentral city indicators are provided for all identified SMSA's. For all other records, central city/noncentral city and non-SMSA indicators are provided except where suppression is required for confidentiality reasons.

TECHNICAL DESCRIPTION:

FILE STRUCTURE: Rectangular.

FILE SIZE: 167,419 logical records; 480 character logical record length.

FILE SORT SEQUENCE: State rank by SMSA rank by household identification number by line number.

REFERENCE MATERIALS:

"Current Population Survey, September 1983 Technical Documentation." Documentation contains this abstract, a questionnaire facsimile, and record layouts of the file. One copy accompanies each file order. Additional copies are available for \$5 each from Data User Services Division, Customer Services (Tapes), 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. Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. GPO Stock No. 003-024-01490-4. Price: \$5.50.

RELATED PRINTED REPORTS:

Bureau of Labor Statistics. Employment and Earnings, October 1983. The employment information in Section A of this publication is derived from the Current Population Survey, September 1983. Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Price: \$3.75.

FILE AVAILABILITY:

The file may be ordered from Data User Services Division using the order form on the following page. The following technical options are available at a cost of \$140 per reel.

	<u>Reels</u>	<u>Cost</u>
9 track, 1600 bpi (EBCDIC or ASCII)	3	\$420
9 track, 6250 bpi (EBCDIC or ASCII)	1	\$140

ATTACHMENT 2

Overview--September 1983 Immunization Survey

I. Data Collection

The September 1983 United States Immunization Survey was conducted as a supplement to that month's Current Population Survey (CPS). The CPS is a monthly labor force survey conducted in approximately 58,000 households across the Nation. Attachment 11 is a copy of the document used by the CPS with the immunization supplement on pages 2 and 5.

The immunization survey was asked of all persons in all except first and fifth month households. Interviews were conducted during the period of September 19 through September 26. Interviewers were provided a one hour home study covering September supplement procedures and item definitions, as well as a one-day training session including a segment on definitional problems and a supplement mock interview. The first five questionnaires submitted by each interviewer were carefully reviewed by office staff. The interviewer was contacted if any errors were uncovered as a result of this review.

Interviewers were instructed to conduct the supplement interview with the household respondent; otherwise a knowledgeable parent of any child 0-19 years old in the household. There were 89,223 persons eligible for the supplement for which 87,028 interviews were obtained. This produced an interview rate of 97.5 percent.

II. Data Processing

The data processing involved editing the supplement data and weighting up the 6 eligible rotations to the total population. Each operation is described briefly below.

A. September Supplement Computer Edits

The computer edit initially identifies the interview status of a supplement record. Such records were considered "interviewed" if the basic CPS transcription item "interview" was recorded as category 1 in word 1, chapter 1 and the rotation number was 1, 3, 4, 5, 7, or 8 (all but month-in-sample 1 or 5, wd. 1:2). Records not meeting these conditions were considered noninterviews and were not processed further. There was no weighting for noninterviews. Interviewed records were edited to ensure consistency between items on the record and for a limited number of items, missing values were assigned based on known entries. If an item was blank and there was clear evidence that there should be an entry, an "NA" (not available) code was assigned. No attempt was made to allocate or impute missing values. The effects of the edit can be demonstrated by considering item 34 and its relationship to items 35 and 36:

1. Consistency - If item 34 had a response of "No" or "Don't Know", then items 35 and 36 would be blanked.

2. Assigning missing values - If item 34 was blank and item 35 or 36 had an entry other than 'Don't Know', then item 34 would be made equal to "Yes".
3. Assigning NA's - An "NA" code was assigned to item 35 or 36 if it was blank and item 34 was "Yes". An "NA" code was automatically assigned to item 34 if no entry was recorded.

It is important to note that if items 34, 35, and 36 were all blank, only item 34 would be assigned an "NA" since it would not be clear that items 35 or 36 should have had an entry. Since neither items 35 nor 36 can be imputed without a "Yes" response to item 34, those items were blanked if item 34 was NA. Similarly, items 38, 40, 42, 46, and 49 were blanked if the item to which they pertained was blanked or NA.

B. Weighting

The CPS sample is designed to represent the Nation as a whole. Since the September supplement uses only three-quarters of the CPS sample, there was a need to adjust the individual or adult weights accordingly. Children's records (0-13 years old) were adjusted separately according to independent population controls. Attachment 13 is a statement of reliability which should be considered when analyzing data from this file.

1. Adult weighting (14 years old or above)

A factor of 4/3 was applied to all adult records to equalize supplement records with basic CPS records.

2. Children's weighting (0-13 years old)

Independent population estimates derived from the 1980 census and updated through September 1983 were applied as controls to each child's record. These factors were applied by year of age, race, and sex of child.

III. September 1983 CPS/Immunization Supplement Computer File

The September CPS/Immunization file can be considered as having two distinct parts: the CPS labor force data and the September immunization supplement data.

A. CPS Data

Basic CPS labor force data are contained in words 1-64 character 1 of each record. One of four different record layouts should be used depending on the type of record being selected.

1) Interviewed 14+ Person's Records

Attachment 6 shows the locations and definitions of variables available in words 1 through 64 character 1 for persons 14+ years old and over who were interviewed in the September CPS. Interviewed 14+ person records will have word 1 character 1=1 (Record type) and word 17 characters 1-2=14-99 (age).

2) Children's Records

Attachment 7 shows the location and definition of variables available in words 1 through 64 character 1 for persons less than 14 years of age. Children's records will have word 1 character 1=1 (Record type) and word 17 character 1-2=00-13 (age).

3) Noninterview Type A Records

Attachment 8 shows the locations and definitions for variables available in words 1 through 64 character 1 for CPS Type A noninterview records. Type A noninterview records represent households which were eligible for the September CPS interview but were not interviewed for one reason or another. Type A noninterview records will have word 1 character 1=2 (Record type).

4) Noninterview Type B/C 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 eligible for the CPS by virtue of being vacant, demolished, nonresidential, etc. Type B/C noninterview records will have word 1 character 1=3 (Record type).

B. September Immunization Supplement Data

The September immunization data are contained in words 66 character 1 through word 80 character 6 of interviewed adult and children's records. Attachment 10 shows the locations and definitions of variables in this portion of the record. Note that supplement data are available for all records when word 67 character 4 is equal to 1.

IV. Records from the September CPS/Immunization Supplement File

A. Tallying CPS Labor Force Estimates

If the user wishes to access only the CPS portion of the record (words 1-64) for the full sample, the record type must first be determined as follows:

Interviewed Adults	Wd. 1:1=1 and Wd. 17:1-2=14-99
Children	Wd. 1:1=1 and Wd. 17:1-2=00-13
Type A Noninterview	Wd. 1:1=2
Type B/C Noninterview	Wd. 1:1=3

As described in IIIA. above use the proper record layout depending on which records are selected. Use the weight in words 21 and 22 if tallying CPS labor force estimates using the full file as opposed to the supplement three-quarters sample.

B. Tallying September Immunization Supplement Data

The September supplement universe was three-fourths that of the CPS sample (6 of 8 rotation groups). As a result, the September supplement weights were adjusted as described in IIB. above so the sample would be nationally representative. Moreover, any tallies that use September supplement data must use the weight in words 75 and 76. This applies to cross tabulation between September data and the CPS portion of the record, i.e., number of adults with diabetes (item 29) by hours worked last week (item 20A).

Supplement weights are presented for interviewed supplement records.

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, \$70.00 per year; Population Estimates and Projections, Federal-State Cooperative Program for Population Estimates, and Special Censuses series (P-25, P-26, P-28) combined, \$90.00 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 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, North Central, 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 for 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	Unem- ployed	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 season- ally 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 season- ally 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

CURRENT POPULATION SURVEY

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 14 years old and over.

Basic 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. These broad classifications 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.

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.

Earnings. Earnings data are collected for an individual's primary job during the survey week for one-fourth of the CPS sample. The universe for these data is defined on page 44 of the adult's interview record layout. The data collected include the usual hours worked, whether an individual is paid by the hour, for hourly workers their hourly pay rate, and the individual's usual weekly pay. Separate weights for tallying the earnings data are present on the file.

Education. (See Years of School Completed.)

Employed. (See Labor Force.)

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.

Final Weight. Used in tabulating monthly labor force items.

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.

Head Versus Householder. Beginning with the 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 usually 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 relate 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.

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.

Currently, the CPS edit recodes the relationship to reference person (householder) entries back into the relationship to head configuration before editing the data. Work is underway to incorporate the relationship to reference data into the basic CPS edit. Until such time as the revised edit is completed, all data appearing on CPS files are edited using the relationship to head configuration.

Industry, Occupation, and Class of Worker. Industry, occupation, and class of worker (I & O) always apply to the same job. 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 civilian job lasting two or more weeks or by the job (either full-time or part-time) from which they were laid off. 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. For detailed information on I & O of multiple job holders, see the May supplement to the CPS.

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 their own housework. This is one of the "not in labor force" classifications--employment status recode (ESR) = 4.

Labor Force. 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 or 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 word 19, character 1 of each individual's record which designated "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 word 19, character 1 of each individual's 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.

The word:character locations used to define these components of the unemployed are as follows: (All must be ESR=3)

Job Loser or Leaver (must be checked in sequence shown below)

- IF: WD 10:4 thru 11:4 = any entry of 1 and WD 11:5=1 and WD 12:5=1 or 2, then Loser (Lost job)
- IF: WD 10:4 thru 11:4 = any entry of 1 and WD 11:5=2 and WD 12:5=1 or 2, then Leaver (left job)
- IF: WD 10:4 thru 11:4 ≠ any entry of 1 and WD 10:1=6, then Loser (temporary layoff)
- IF: WD 10:4 thru 11:4 ≠ any entry of 1 and WD 10:1=7, then Loser (indefinite layoff)
- IF: WD 10:4 thru 11:4 ≠ any entry of 1 and 10:1=5 and 11:5=1 and 12:5=1 or 2, then Loser (New job to begin within 30 days)
- IF: WD 10:4 thru 11:4 ≠ any entry of 1 and 10:1=5 and 11:5=2 and 12:5=1 or 2, then Leaver (New job to begin within 30 days)

New Entrants and Reentrants (Exclusive of Job Losers or Leavers)

- IF: Not job loser or leaver and WD 12:5=1 or 2, then Reentrant
- IF: Not job loser or leaver and WD 12:5=3 or 4, then New Entrant

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 "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes, for the most part, retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week is an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (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 word 19, character 1 of each individual's 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.

Marital Status. The marital status classification identifies three major categories: single (never married), married, and widowed or 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, Air Force spouse present," and "married, spouse absent." 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 are 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 and are included in the "married, spouse absent" category.

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.

Nonrelative of Head With No Own Relatives in Household. A nonrelative of the head who has no relative(s) of his/her 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/her own living with him/her in the household.

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

Other Relative of Head. Any relative of the head other than his wife; for example, child, father, mother, grandson, daughter-in-law, etc.

Part-Time, Economic Reasons. The file 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 (Noneconomic) Reasons. The file 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.

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 combination with the Black population.

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.

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.

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, "What is the origin or descent of each person in this household?", 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, Puerto Rican, Cuban, Central or South American, or other Spanish.

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.)

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.

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:

- 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.

Workers. (See Labor Force--Employed.)

Years of School Completed. Data on years of school completed can be 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

CURRENT POPULATION SURVEY

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, North Central, 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

NORTH CENTRAL 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
New Mexico
Utah
Wyoming

Pacific Division

Alaska
California
Hawaii
Oregon
Washington

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

There are several record layouts comprising the September 1983 Current Population Survey technical documentation. Record layouts illustrating basic data collected comprise Attachments 5 and 6 for interviewed households, Attachment 7 for noninterviewed Type A households, and Attachment 8 for noninterviewed Type B or C households (see items 14 and 15 on the questionnaire for examples of each type). The record layout(s) for supplemental data collected then follows.

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.

Universe Restrictions. Users should note the universe restrictions when accessing data for each variable. This is necessary because records for persons who are not in universe for a specific variable may have meaningless data in that field.

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 positions 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 (Attachment 5, 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
<u>48</u>	Number of positions allocated for data
+ 1	Character position within designated word
<u>49</u>	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, characters 5-6), repeat the above calculations except substitute a "5" (noting character position within word) in place of the "1". Calculations show that the first character of this item begins in character position 53.

New Occupation, Industry Codes in Current Population Survey

In January 1983, the Current Population Survey (CPS), the Nation's source of monthly employment data, underwent a major change. The survey switched to the 1980 census industry and occupation (I/O) classification system from the 1970 I/O system, in use since 1972. This article describes the conversion process and tells you how to get copies of the conversion factors.

The 1983 CPS microdata files are the first files to include the new codes. (So far files for January, March, April, and September have been released.) All files hereafter will contain these codes.

If you are comparing present and past CPS files, you'll have little trouble with the new industry codes. The new classification is based on the 1972 standard industrial classification system and is generally comparable to the system used in the CPS before January 1983. It will not be so simple, however, to use the new occupation codes.

New Occupation Codes Affect Comparability

The new occupation classification evolved from the 1980 standard occupation classification system that was developed through extensive study and deliberation by a Federal interagency committee. While the new system for occupation makes the CPS comparable to the 1980 census and other data sets, it breaks the continuity

of any time series based on CPS occupational data.

Differences between the old and new systems can be found at all levels. Such commonly cited identifiers as blue/white collar workers, craft workers, professional and technical workers, and operative occupations have been eliminated from the new system and replaced by new categories.

Some categories that seem to represent the same occupations in the two systems are substantially different because of conceptual changes. For example the 1970 census counted 712,000 "accountants" but when the 1970 data were adjusted to the 1980 classification, the figure for the 1980 category "accountants and auditors" was only 646,000. About half of the reclassified cases went to a new category called "other financial officers." In this case and in many others, use of the 1980 occupation classification system precludes direct comparison to previous years' CPS occupation data.

Any Way to Preserve Continuity?

The Bureau of Labor Statistics, the principal sponsor of the CPS, requires year-to-year comparisons and therefore asked the Bureau to develop a methodology that provides such a capability.

As a result, we coded a 20-percent sample of CPS records for each of 6 months in 1982, using the new occupation codes. We then compared the resulting

data with the already available 1970-coded data and derived a set of factors that converted each 1970 census code into its 1980 equivalent.

For example, 69 percent of the 1970 category "counter clerks, except food" remained in the major group "administrative support occupations, including clericals," while the remaining 31 percent were classified as workers in "sales occupations." In all, 55 detailed occupation categories reflect splits like this.

Users who need to achieve occupational data comparability between past and present CPS microdata tape files will need to use conversion factors.

Several Limitations in Making Conversions

The process for determining the conversion factors was not without its problems. The coders who assigned the 1980 codes to the CPS sample were not fully trained under the new system, nor were they subjected to the same rigorous quality control measures normally associated with the CPS clerical operation. In addition, reliability of the conversion factors decreases when a relatively small number of records are affected. Reliability also declines as the number of equivalent 1980 categories into which a 1970 occupation category may be classified increases.

As a result, users should apply the conversion factors only in producing aggregates for the major 1980 occupation categories (such as sales occupations) and broad cross-tallies such as "total employed."

Estimates also become less reliable when you apply the conversion factors to data for relatively small population subgroups—such as Blacks, Hispanics, and specific age groups.

The occupational classifications are very similar to those used in 1980 census products (see the June 1983 Data User News), but were designed specifically for use with the CPS files.

Conversion Factors Available

Customer Services is selling the nine-page list of conversion factors used for the occupation codes in the CPS. This list contains each 1970 detailed occupation category and the 1980 major occupation category (or categories with percentages for each) into which it should be converted. It shows which detailed occupation categories belong to the 13 major occupation categories. This list can be used to make conversions in microdata files or in data aggregated by 1970 detailed codes.

Entitled "CPS Occupation Categories: Detailed 1970 and Major 1980 Classifications," the conversion factors cost \$5 and are available from Customer Services (301/763-4100).

Technical questions regarding the limitations of the conversion factors and the guidelines on data presentation should be directed to the Labor Force Statistics Branch of the Bureau's Population Division at 301/763-5144.

ATTACHMENT 6
 CURRENT POPULATION SURVEY
 ADULT INTERVIEW RECORD LAYOUT

FOR STANDARD TAPE COPIES
 (Beginning January 1983)

Attachment A

Word	Char.	Characteristic	Universe	Description
1	1	Record type	All	Interview
2	2	Month in Sample (Recoded from Month and Rotation)	All	1-0
3	3	Blank		
4-6	4-6	Household ID Number	All	
1-6	1-6			
3	1-3			
4	4	Region (From M.S.T.)	All	Northeast 1 North Central 2 South 3 West 4

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

Word	Char.	Characteristic	Universe	Description
3	5	Division (From M.S.T.)	All	<ul style="list-style-type: none"> New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific
				<ul style="list-style-type: none"> 1 } Region 1 2 } Region 1 3 } Region 2 4 } Region 2 5 } Region 3 6 } Region 3 7 } Region 3 8 } Region 4 9 } Region 4
5-6		State (1st digit of State Code is Division Code) (From M.S.T.)	All	<ul style="list-style-type: none"> <u>New England Division</u> Maine New Hampshire Vermont Massachusetts Rhode Island Connecticut
				<ul style="list-style-type: none"> 11 12 13 14 15 16
				<ul style="list-style-type: none"> <u>Middle Atlantic Division</u> New York New Jersey Pennsylvania
				<ul style="list-style-type: none"> 21 22 23

-more-

Word	Char.	Characteristic	Inverse	Description
3	5-6	State (1st digit of State Code to Division Code) (From M.S.T.) (Com'l)	All	
				<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
				<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

-more-

Word	Chnr.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code in Division Code) (From H.S.T.) (Cont.)	All	
				<u>West South Central Division</u>
				Arkansas
				Louisiana
				Oklahoma
				Texas
				71 72 73 74
				<u>Mountain Division</u>
				Montana
				Idaho
				Wyoming
				Colorado
				New Mexico
				Arizona
				Utah
				Nevada
				01 02 03 04 05 06 07 08
				<u>Pacific Division</u>
				Washington
				Oregon
				California
				Alaska
				Hawaii
				91 92 93 94 95

-more-

Word	Char.	Characteristic	Universe	Description
4	1-2	State Rankings (From M.S.T.)	All	
				<u>1970 Ranking</u>
				01 California
				02 New York
				03 Pennsylvania
				04 Texas
				05 Illinois
				06 Ohio
				07 Michigan
				08 New Jersey
				09 Florida
				10 Massachusetts
				11 Indiana
				12 North Carolina
				13 Missouri
				14 Virginia
				15 Georgia
				16 Wisconsin
				17 Tennessee
				18 Maryland
				19 Minnesota
				20 Louisiana
				21 Alabama
				22 Washington
				23 Kentucky
				24 Connecticut
				25 Iowa
				26 South Carolina
				27 Oklahoma
				28 Kansas
				29 Mississippi
				30 Colorado

-more-

Word	Char.	Characterizable	Un/Verge	Description	
1.	1-2	State Rankings (Cont'l) (From H.S.T.)	All	Oregon Arkansas Arizona West Virginia Nebraska Utah New Mexico Maine Rhode Island Hawaii District of Columbia New Hampshire Idaho Montana South Dakota North Dakota Delaware Nevada Vermont Wyoming Alaska	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

-more-

Word	Char.	Characteristic	Universe	Description	1970 Ranking
4	3-4	SMSA Rankings (From H.S.T.)	SMSA's	Not an SMSA and all other SMSA's	00
				New York, N.Y.	01
				Los Angeles-Long Beach, Calif.	02
				Chicago, Ill.	03
				Philadelphia, Pa. - N.J.	04
				Detroit, Mich.	05
				San Francisco-Oakland, Calif.	06
				Washington, D.C.-Md.-Va.	07
				Boston, Mass.	08
				Nassau-Suffolk, N.Y.	09
				Pittsburgh, Pa.	10
				St. Louis, Mo.-Ill.	11
				Baltimore, Md.	12
				Cleveland, Ohio	13
				Houston, Texas	14
				Newark, N.J.	15
				Minneapolis-St. Paul, Minn.	16
				Dallas, Texas	17
				Seattle-Everett, Wash.	18
				Anaheim-Santa Ana-Garden Grove, Calif.	19
				Milwaukee, Wis.	20
				Atlanta, Ga.	21
				Cincinnati, Ohio - Ky.	22
				Paterson-Cifton-Passaic, N.J.	23
				San Diego, Calif.	24
				Duffalo, N.Y.	25
				Miami, Fla.	26
				Kansas City, Mo.-Kan.	27
				Denver, Colo.	28
				San Bernardino-Iriverside-Ontario, Calif.	29

-more-

Word	Char.	Characteristic	Universe	Description
4	3-4	SMSA Rankings (Cont'd) (From M.S.T.)	SMSA's	Indianapolis, Ind. San Jose, Calif. New Orleans, La. Tampa-St. Petersburg, Fla. Portland, Ore. Columbus, Ohio Rochester, N.Y. Sacramento, Calif. Fort Worth, Texas Birmingham, Ala. Albany-Schenectady-Troy, N.Y. Norfolk-Portsmouth, Va. Akron, Ohio Gary-Hammond-East Chicago, Ind. Greensboro-Winston-Salem- High Point, N.C.
5		Item 1 - 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
6		Blank		

-more-

Word	Char.	Characteristic	Universe	Description
5	1-3	Blank		
4-6		Item 10 - INTERVIEWER CODE	All	Blank or Impossible in any digit
6	1	Item 12 - LINE NO. H'HD RESP.	All	Blank or Impossible
2		Item 13 - TYPE INTERVIEW	All	Non H'hd Resp.
3-4		Item 11 - DATE COMPLETED	All	Blank Personal Tel. - Regular Tel. - Callback ICR Filled
5-6		PADDING		Day of Month

-M, or
APD-M9
(Excluding I--)

--
1-6
7

--
2
3
4
5

-- or
10-29

-more-

Word	Char.	Characteristic	Universe	Description
7	1	<u>Item 20</u> - Did...do any work at all LAST WEEK?	All	Blank or Impossible Yes No
				- 1 1 2
2		<u>Item 20B</u> - INTERVIEWER CHECK	All	Blank or Impossible 49+ hours 1-34 hours 35-48 hours
				- 1 1 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 1 2
4		<u>Item 22</u> - Has...been looking for work during the past 4 weeks?	All	Blank or Impossible Yes No
				- 1 1 2
5		<u>Item 24</u> - INTERVIEWER CHECK ITEM	All	Blank or Impossible Unit is in continuing rotation Unit is in departing rotation
				- 1 1 2
6		Blank		

-MORO-

Word	Char.	Characteristic	Universe	Description
0	1	Land Usage (Recode) (Edited using Urban/Rural Code from M.S.T. and GPS-1 Document Items 5a. and 5b--new in Feb. 76) Recode reflects "old" Farm Definition.	All	Nonfarm Farm \geq 10 acres Farm $<$ 10 acres
2-3		Item 4 - TYPE OF LIVING QUARTERS (Recode)	All	Housing Unit House, apt., flat IU in nontransient hotel, etc. IU, permanent, in trans. hotel, motel, etc. IU in rooming house Mobile home or Trailer IU not specified above Other Unit Qtrs. not IU in rooming or boarding houses: Unit not permanent in trans. hotel, motel, etc. Tent or trailer site Other not IU
4		New Farm Definition (Recode) Effective February 1976. (Edited using Urban/Rural Code from M.S.T. and GPS-1 Document Items 5a. and 5b.)	All	Nonfarm Farm \geq 10 acres Farm $<$ 10 acres

-more-

Attachment A

Word	Char.	Characteristic	Universe	Description
0	5	Blank		
6		Item 9 - HOUSEHOLD NUMBER	All	
9	1	Item 19 (Recode) - What was...doing most of LAST WEEK (Major Activity)?	All	Working With a job Looking Home School Unable Other (Incl. Retired)
2-3		Item 20A - How many hours did...work LAST WEEK at all jobs?	ESR 1	Number of Hours
4		Item 20C - Does...USUALLY work 35 hours or more a week at this job?	ESR 1 & Item 20A less than 35 hours	Yes No
5-6		Item 20C - Reason less than 35 hours a week (Recoded)	ESR 1 & Item 20A less than 35 hours	Black work Material shortages Plant or machine repair New job started during week Job terminated during week Could find only part-time work Holiday (Legal or Rollplover) Labor dispute Bad weather Own illness On vacation Too busy with house, school, etc. Did not want full-time work Full-time work under Other reason

-more-

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

-more-

Word	Chnr.	Characteristic	Unlversio	Descr Jpl Ion
10	6	Checked with employer directly.	ESR 3	Blank Entry
11	1	Checked with friends or relatives.	ESR 3	Blank Entry
2	2	Placed or answered ads.	ESR 3	Blank Entry
3	3	Nothing	ESR 4-7	Blank Entry
4	4	Other	ESR 3	Blank Entry
5	5	Item 22D - Why did...start looking for work?	ESR 3 Except layoff in Item 21A, coden 6 & 7	Lost job Quit job Left school Wanted temporary work Other
6	6	Item 22G - Weeks unemployed (New job starting in 30 days, weeks laid off, or weeks looking for work)	ESR 3	Number of Weeks
12	1	} Item 22D - Has...been looking for full-time or part-time work?	ESR 3	Full Part
2	2			

-more-

00-99

Word	Char.	Characteristic	Universe	Description	
12	3	Item 22E - Digit 1 - Is there any reason why... could not take a job LAST WEEK?	ESN 3	Yes No	1 2
4	3	Item 22E - Digit 2 - Is there any reason why... could not take a job LAST WEEK?	ESN 3 & Yes in Digit 1	Already had a job Temporary illness	1 2
5	3	Item 22F - When did... last work at a full-time job or business lasting 2 consecutive weeks or more? (Recorded)	ESN 4-7	Going to school Other	3 4
6	3	Item 22A - When did... last work for pay at a regular job or business, either full- or part-time?	ESN 3 Re-entrants to labor force New entrants to labor force	In last 5 years Before last 5 years Never worked full-time 2 weeks or more Never worked at all	1 2 3 4
			ESN 4-7 and Month in Sample is 4 or 8 (Departing rotations)	Within past 12 months 1 up to 2 years ago 2 up to 3 years ago 3 up to 4 years ago 4 up to 5 years ago 5 or more years ago Never worked	1 2 3 4 5 6 7

-more-

Item	Char.	Characteristic	Universe	Description	
13	1	Item 24D - Why did... leave that job?	ESR 4-7 and 1-5 in Item 24A	Personal, family or school health, Retirement or old age Seasonal job completed Slack work or business conditions Temporary nonseasonal job completed Unseasonal work arrangements Other	1 2 3 4 5 6 7 8
2		Item 24G - Does... want a regular job now, other full- or part-time?	ESR 4-7 and Month in Sample As 4 or 8 (Departing rotations)	Yes Maybe, At depends No Don't Know	1 2 3 4
3		Item 24D - What are the reasons... is not looking for work?	Reasons through 15:1. Multiple entries possible.		
3		Believes no work available in line of work or area	Item 24G As 1 or 2	Blank Entry	1
4		Couldn't find any work	Item 24G As 1 or 2	Blank Entry	1
5		Lacks necessary schooling, training, skills or experience	Item 24G As 1 or 2	Blank Entry	1
6		Employers think too young or too old	Item 24G As 1 or 2	Blank Entry	1

-more-

Word	Char.	Characteristic	Universe	Description
17	1-2	Item 18C - AGE	All	
		Item 18D - MARITAL STATUS (Recode)	All	Married, civilian spouse present Married, Armed Force spouse present Married, spouse absent (incl. separated) Widowed or divorced Never Married
3				1 2 3 4 5
4		Item 18I - RACE (Recode)	All	White Black Other
				1 2 3
5		Item 18E - SEX	All	Male Female
				1 2
6		Item 18E - VETERAN STATUS	Males	Vietnam Era Korean War World War II World War I Other Service Nonveteran
				1 2 3 4 5 6

-more-

Word	Char.	Characteristic	Universe	Description
10	1-2	Item 10E - HIGHEST GRADE (OF SCHOOL) ATTENDED	All	None
				E1
				E2
				E3
				E4
				E5
				E6
				E7
				E8
				E9
				E10
				E11
				E12
				E13
				E14
				E15
				E16
				E17
				E18
				E19
3		Item 10G - GRADE COMPLETED	All	Yes
				No
4		PADDING		
5		Blank		
6		PADDING		

-more-

Word	Char.	Characteristic	Unlabeled	Employed	Unemployed	Deception
19	1	ESR - Employment Status Recode (Last Week)	All	Working With job, not at work	Not in Labor Force	1 2
				Working	Hourly School Unable Other (includes retired)	3 4 5 6 7
2	2	PMIDHO				
3	3	Indicator for principal person of household	All	No Job		0 1
4-6	4-6	Document Count (Within Work Unit)	All			991-999
20	1-3	Work Unit Number (From Breaker Sheet)	All			001 or 001-999 If Breaker was missing 999 Analyzed
	4-5	Month	All			01-12
	6	Year - Last Digit	All			0-9
21 & 22	All	Final Weight	All			Two Underused Potential Places. (Weight justified, space fill -01)

✓ 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-

Next page is 23.

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Word	Char.	Characteristic	Universe	Description
23	1-6	PADDING		
24	1-3	PADDING		
	1-6	JRCERR	All	No. of errors charged to Enumerator
25	1-2	Blank		000-999
	3	PADDING		
	4-6	Blank		
26	1	SMSA Status Code	All	SMSA Non SMSA Not Identifiable
	2	Central City Status Code	All	Central City Balance of SMSA Non SMSA Not Identifiable
	3	Blank		
	4	SMSA Size (From M.S.T. - reflecting 1970 Census Population)	All	3 million+ 1 million-2,999,999 Not Identifiable

-more-

Word	Char.	Characteristic	Universe	Description
26	5	Item 181 - ETHNICITY	All	Mexican American Chicano Mexican (Mexicano) Puerto Rican Cuban Central or South American Other Spanish All other Don't know NA
				1 2 3 4 5 6 7 8 9 A
27	1-2	Weighting Age Recode	All	11-15 Years old 16-17 18-19 20-21 22-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75+
				01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17

Word	Char.	Characteristic	Universe	Description	
27	3	Blank			
	4	RACE Recode	All	White Other	1 2
	5	Blank			
	6	Blank			
28	1	Part time status	All	P.T. for Econ. reason Vol. Part time workers All other	5 6 0

-more-

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

Attachment A

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

Attachment A

Page 28

Word	Char.	Characteristic	Universe	Description
29	6	Civilian Labor Force	All	Not In Universe In Universe
30	1	Unemployed	All	Not In Universe In Universe
2	2	Unemployed 15 weeks, or more	All	Not In Universe In Universe
3	3	Other NIF	All	Not In Universe In Universe
4	4	Full Time Labor Force	All	Not In Universe In Universe
5	5	Looking for full time work	All	Not In Universe In Universe
6	6	Wage and salary worker	All	Not In Universe In Universe
31	1	Employed persons	All	Not In Universe In Universe
2	2	Employed persons (Excluding farm worker & Private Household Workers)	All	Not In Universe In Universe
3	3	Experienced Labor Force	All	Not In Universe In Universe
4	4	Full time experienced Labor Force	All	Not In Universe In Universe

-more-

Attachment A

Hord	Chnr.	Characterizable	Universe	Description	
31	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
	2	Agriculture	All	Not in Universe In Universe	0 1
	3	BLANK			
	4	BLANK			
	5	Manufacturing wage and salary	All	Not in Universe In Universe	0 1
	6	Private wage and salary	All	Not in Universe In Universe	0 1
33	1	Part time for noneconomic reasons	All	Not in Universe In Universe	0 1
	2	Persons seeking full time work (W & S)	All	Not in Universe In Universe	0 1
	3	Unemployed with no previous work experience	All	Not in Universe In Universe	0 1

-more-

Word	Char.	Characteristic	Universe	Description
33	4	Full Time Labor Force Recode	All	Not in Universe Employed Full Time Looking for Full Time Work
				0
				3
				4
				0
				0
				1
34	1-2	Age 1	All	14-15 16-17 18-19 20-24 25-34 35-44 45-54 55-59 60-64 65+
				00
				01
				02
				03
				04
				05
				06
				07
				08
				09
				10
				11
3-4		Age 1A (16-21 years)	All	Not 16-21 16-21 Yrs. School 16-21 Yrs. Other
				00
				01
				02
				03
				04
				05
				06
				07
				08
				09
				10
				11
5-6		Age 2	All	Less than 25 years 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70+
				00
				01
				02
				03
				04
				05
				06
				07
				08
				09
				10
				11

-more-

Attachment A

Word	Char.	Characteristic	Universes	Description
35	1-2	Major Activity Aged 16-24	All	
				Age School Major Activity
				HALE or Other FEM
				FEM, MSP Nol, MSP
				16 1 10 19
				17 2 11 20
				18 3 12 21
				19 4 13 22
				20 5 14 23
				21 6 15 24
				22 7 16 25
				23 8 17 26
				24 9 18 27
				All Others 00
				Less than 55 years
				55 years 00
				56 " 01
				57 " 02
				58 " 03
				59 " 04
				60 " 05
				61 " 06
				62 " 07
				63 " 08
				64 " 09
				65 " 10
				66 " 11
				67 " 12
				68 " 13
				69 " 14
				70 " 15
				71 " 16
				72 " 17
				73 " 18
				74 " 19
				75+ " 20
				" 21

3-4 Age 4

All

-more-

Word	Char.	Characteristic	Universe	Description
------	-------	----------------	----------	-------------

35	5-6	Employed status (civilian noninstitutional population)	All	Employed in Agriculture 01 Employed in Nonagriculture 02 Unemployed 03 NILP House 04 School 05 Unoble 06 Other Unpaid family worker (1-14 hours.) Agriculture 07 Unpaid family worker (1-14 hours.) Nonagriculture 08 Farm residents 09 Nonfarm residents 10
----	-----	--	-----	---

36	1-2	Marital status by Age 1	All	Age Single MSP MSA MWD/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
----	-----	-------------------------	-----	--

3-4		Marital status by activity Age 1A	All	Activity Single MSP MSA MWD/DIV School 10 21 32 43 Other 11 22 33 44 Not 16-21 years old - 00
-----	--	-----------------------------------	-----	--

I/	Char.	Characteristic	Universe	Description	0
36	5-6	Major Industry (II)	Civ. Labor Force	Never Worked Agriculture Mining Construction Manufacturing Durable goods Nondurable goods Transportation and public utilities	00 01 02 03 04 05
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"		Postal	06
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.		Other transportation Other utilities Wholesale and retail trade Wholesale trade Retail trade Finance, insurance, and real estate Private household service Miscellaneous service Business and repair Personal, except private household Entertainment and recreation Medical, except hospitals Hospitals Welfare and religious Education Other professional services Forestry and fisheries Public administration GNP	06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22

-more-

Attachment A

Page 3A

Word	Char.	Characteristic	Industry	Description
37	1-2	BLANK		

3-4 Class of Worker
Employed-Unemployed

Ult. Labor
Force

QM	EMP	UNEMP
Private	01	05
Government (Federal, Local, and State)	02	06
Self-employed	03	07
Unpaid family	04	08
Never Worked		00

-more-

Word	Char.	Characteristic	Universe	Description
------	-------	----------------	----------	-------------

37 5-6 Major Industry (I)

Civ. Labor Force

1/ 2/ See page 33

				Agriculture, Private Household workers & Never worked	00
				Mining	01
				Construction	02
				Manufacturing	
				Durable goods	03
				Nondurable goods	04
				Transportation and public utilities	
		1/		Postal	05
				Other transportation	06
				Other utilities	07
				Wholesale and retail trade	
				Wholesale trade	08
				Retail trade	09
				Finance, insurance, and real estate	10
				Miscellaneous services	
				Business and repair	11
				Personal, except private household	12
				Entertainment and recreation	13
				Medical, except hospitals	14
				Hospitals	15
				Welfare and religious	16
				Education	17
				Other professional services	18
				Forestry and fisheries	19
		1/ 2/		Public administration	20

-more-

Word	Char.	Characteristic	Universe	Description	
38	1-2	Detailed Industry	Civ. Labor Force	Never Worked	00
				Goods-producing Industries	01
				Agricultural production	02
				Agricultural services	03
				Mining	04
				Construction	05
				Manufacturing	06
				Durable goods	07
				Lumber	08
				Furniture	09
				Stone, clay, glass	10
				Primary metals	11
				^{3/} Fabricated metals (incl. not spec. metal)	12
				Machinery, exc. elect.	13
				Electrical equipment	14
				Transportation equipment	15
				Automobiles	16
				Aircraft	17
				Other transportation equip.	18
				Instruments	19
				Miscellaneous	20
				Non-durable goods	21
				Food	22
				Tobacco	23
				Textiles	24
				Apparel	25
				Paper	26
				Printing	27
				Chemicals	28
				Petroleum	29
				Rubber and plastics	30
				Leather and not specified manufacturing	31

^{3/} Starting in January, 1983, "Ordnance" was combined with "Fabricated metals."

-more-

Word	Chart	Characteristic	Universe	Description
30	1-2	Detailed Industry (Con't)	Civ. Labor Force	Service-producing industries Transportation and public utilities
				Postal
				Other transportation
				Communications
				Other public utilities
				Trade
				Wholesale
				Retail
				Eating and drinking places
				Other retail
				Finance, insurance, and real estate
				Banking and other finance
				Insurance and real estate
				Private household service
				Miscellaneous services
				Business and repair
				Business
				Repair
				Personal services, except private household
				Entertainment and recreation
				Professional services
				Medical, except hospitals
				Hospitals
				Welfare and religious
				Educational
				Other professional
				Forestry and fisheries
				Public administration
				Armed Forces
				Other Federal
				States
				Local

1/2/ See page 33.

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Attachment A

Word	Char.	Characteristic	Universe	Description
30	3-6	BLANK		

39 1-2 Manufacturing

Gov. Labor Force

Never worked or not Mfg. Ind. 00
Durable goods

3/ See page 36.

- Lumber 02
- Furniture 03
- Stone, clay, glass 04
- Primary metals 05
- 3/ Fabricated metals (incl. not spec. metal) 06
- Machinery, exc. elect. 07
- Electrical equipment 08
- Transportation equipment 09
- Automobiles 10
- Aircraft 11
- Other transportation equipment 12
- Instruments 13
- Miscellaneous 13

-more-

Word	Class.	Characterizable	Universe	Description
39	1-2	Manufacturing (Cont'd)	Civ. Labor Force	Nonurable Goods
				Food
				Tobacco
				Textiles
				Apparel
				Paper
				Printing
				Chemicals
				Petroleum
				Rubber and plastics
				Leather and not specified manufacturing
				23
				Unemployed and MILF
				with a job but not at work
				00
				Illness
				Vacation
				Dad weather
				Labor dispute
				01
				02
				03
				04
				05
				At work
				1-4 hours
				5-14 hours
				15-21 hours
				22-29 hours
				30-34 hours
				35-39 hours
				40 hours
				41-47 hours
				48 hours
				49-59 hours
				60 hours or more
				06
				07
				08
				09
				10
				11
				12
				13
				14
				15
				16

3-4 Person not at work or hours at work

All

-more-

Word	Char.	Characteristic	Universe	Description	
39	5-6	At work 1-3/4 hours by hours at work	ESR = 1 (Person's at work) and 20A is less than 35	Usually full time, part time for noneconomic reasons Usually work full time, part time for economic reasons 1-4 hours 5-14 hours 15-29 hours 30-34 hours Usually work part time, economic reasons 1-4 hours 5-14 hours 15-29 hours 30-34 hours Usually work part time, noneconomic reasons 1-4 hours 5-14 hours 15-29 hours 30-34 hours	00 01 02 03 04 05 06 07 08
40	1-2	Detailed reason by hours 1-3/4	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	00 01 02 03 04 05 06 07 08 09 10

-more-

Word	Char.	Characteristic	Universe	Description
40	1-2	Detailed reason by hours 1-36 (Cont'd)	ESR = 1 (At work) end 20A to less than 35	11 12 13 14 15 16
				Usually work part time Slack work Could find only part time work Own illness Too busy or did not want full time Full-time work work is under 35 hours All other
	3-4	Reason not at work and pay status	ESR = 2 (with job; not at work)	00 01 02 03 04 05 06
				Not in universe Usually work full time Paid Vacation Illness All other Not Paid Vacation Illness All other Usually work part time Paid Vacation Illness All other Not Paid Vacation Illness All other
	5-6	Program Signal	All	07 08 09 10 11 12
41	1	PADDING		50

-more-

Unedited Personal Transcription Items

41 2 Item 18B - RELATIONSHIP TO ALL
REFERENCE PERSON
 Note: The codes in parenthesis are the codes for children

3 Item 18D - MARITAL STATUS ALL

- Blank 1
- Reference Person with other relatives in household 1
- Reference Person with no other relatives in household 2
- Husband 3
- Wife 4
- Own child 5 (1)
- Parent 6
- Brother/Sister 7 (2)
- Other relative of reference person 8 (3)
- Non-relative of reference person with own relatives in household 9 (4)
- Non-relative of reference person no own relatives in household A (5)
- Blank -
- Married, civilian spouse present 1
- Married, Armed Force spouse present 2
- Married, spouse absent (exclude separated) 3
- Widowed 4
- Divorced 5
- Separated 6
- Never Married 7

41 4 }
 41 6 }
 PADDING

Edited Earnings Items (outgoing rotations only)

43 and 44	ALL	Earnings Weight for ALL Races	Eligible for Earnings 1/	Two implied decimal places, right justified, space filled	
45 and 46	ALL	Earnings Weight for Black	Eligible for Earnings 1/ and Race = Black	Two implied decimal places, right justified, space filled	
47 and 48	ALL	Earnings Weight for Spanish	Eligible for Earnings 1/ and Ethnicity = Spanish	Two implied decimal spaces, right justified, space filled	
49	1	Eligibility Flag 1/	ALL	Not eligible	
	2-3	125A (Edited) - Usual hours worked per week?	Eligible	Hours worked	00-9
	4	125B (Edited) - Paid by hour?	Eligible	Yes No	
49 and 50	5-6	125C (Edited) - Earnings per hour?	125B (Edited) = 1	Earnings per hour (2 implied decimal places)	0000-999
	1-2				
	3-5	125D (Edited; computed) 2/	Eligible	Earnings per week	000-99

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 0) and ESR 1 or 2 (wd. 19, ch. 1=1 or 2) and edited item 231 is Private (wd. 15, ch. 3=1) and unedited item 23E is blank, private, or government (wd. 53, ch. 6?) 6, 7, or 0)

(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 25C value appears here. For weekly workers, edited 25D value appears in the field to be used for tabulation purposes for weekly workers.

Word Char. Characteristic Universe Description

50	G	PADDING				
51	1	125A Allocation Flag	Eligible		125A not allocated 125A allocated	- 1
	2	125B Allocation Flag	Eligible		125B not allocated 125B allocated	- 1
	3	125C Allocation Flag	125B (Edited) = 1		125C not allocated 125C allocated	- 1
	4	125D Allocation Flag	Eligible		125D not allocated 125D allocated	- 1
	5	125 (Edited) Interviewer Check Item	ESR 1 or 2 and 23E = P, F, S, or L		(Not in Universe) Month-in-sample 1, 2, 3, 5, 6, or 7 Month-in-sample 4 or 0	- 1 1 2
	6	123F (Edited) Interviewer Check Item	ALL		(Not in Universe) Entry (or NA) in 120A and P, F, S, or L in 123E Entry (or NA) in 121B and P, F, S, or L in 123E	- 1 1 2
52	1-3	125D (Edited) - Usual weekly earnings	3/		Weekly Earnings	000-999
52	4	BLANK				
52	6					

3/ 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.

Word Char: Characteristic

Universe

Description

Basic CPS Allocation Flags

Word	Char:	Characteristic	Universe	Description
53	1	Item 5a	All	0
	2	4		Not Allocated
	3	5b		Allocated
	4	9		1
	5	All Labor Force Items		
	6	ESR		
54	1	19H		
	2	18E - Sex		
	3	18I		
	4	18D		
	5	18C		
	6	18G		
55	1	18F		
	2	18E - Veteran Status		
	3	19		
	4	23D		
	5	23C		
	6	23E		

Word	Char.	Characteristic	Universe	Description
56	1	20A	All	Not Allocated
	2	20C		
	3	21A		
	4	21B		
	5	21C		
	6	22C		
57	1	22D	All	Not Allocated
	2	22F		
	3	24A		
	4	24B		
	5	24C		
	6	24D		
58	1	22A	All	Not Allocated
	2	22E		
	3	18A		
	4	22D		
	5	24E		
	6	Geographic Identification		

Word	Char.	Characteristic	Universe	Description
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Unedited Basic CPS Transcription Items 1/

Item	Char.	Characteristic	Universe	Description
59	1	Item 26	All	Owned or being bought Rented No cash rent No entry
59	2	Item 27	All	Under \$5,000 \$5,000 - 7,499 \$7,500 - 9,999 \$10,000 - 12,499 \$12,500 - 14,999 \$15,000 - 17,499 \$17,500 - 19,999 \$20,000 - 24,999 \$25,000 - 29,999 \$30,000 - 34,999 \$35,000 - 39,999 \$40,000 - 49,999 \$50,000 - 74,999 \$75,000 and Over No Entry
3		Item 28	All ^{2/}	Number of Boys
4		Item 28	All ^{2/}	Number of Girls
59 thru 60	5 } 6 }	PADDING		No entry

1/ Note Items 26-28 are included on each person's record.

2/ January, April, July, and October only. Padding all other months.

-more-

Word Char. Characteristic Universe Description

61	1	Item 23E-Class of Worker (Edited)	Same as 123E	1 Private 2 Federal Government 3 State Government 4 Local Government 5 Self-Employed-Inc. 6 Self-Employed-UnInc. 7 Without Pay 8 Never worked	1
	2	Item 23E-Class of Worker (Edited & recoded)	Same as above	1 Private (incl. S-E, Inc.) 2 Federal Government 3 State Government 4 Local Government 5 Self-Employed-UnInc. 6 Without Pay 7 Never worked	0
	3	Nonagriculture Private Wage & Salary	All	Not in Universe In Universe	1

-more-

ATTACHMENT A

NORD CHAR. CHARACTERISTIC

UNIVERSE

DESCRIPTION

VALUES

61 4-5 : Class of Worker II (Detailed)

Same as I23E
(Exc. Never
worked)

Major Occupation

Same as I23E

VALUES	DESCRIPTION
01	Agriculture
02	Wage & Salary
03	Private
04	Government
05	Self-Employed
06	Unpaid Family
07	Non-Agriculture
08	Wage & Salary
09	Private Industry
10	Private Household
11	Other Private
12	Federal
13	State
14	Local
15	Self-Employed
16	Unpaid Family
17	Managerial & Professional
18	Executive, admin. & managerial
19	Professional specialty
20	Technical, sales & admin. support
21	Technicians & related support
22	Sales
23	Administrative support,
24	incl. clerical
25	Service
26	Private household
27	Protective service
28	Other service
29	Precision production, craft and
30	repair
31	Operators, fabricators & laborers
32	Machine operators, assemblers &
33	inspectors
34	Transportation & material moving
35	handlers, equip. cleaners, etc.
36	Farming, forestry & fishing
37	Armed Forces
38	No previous experience -
39	Never worked

61 6 }
62 1 }

MORE

WORD CHAR. CHARACTERISTIC

62 2-3 Major Industry

UNIVERSE

DESCRIPTION

PAGE 50
VALUESSame as I23E
(Exc. Ilaver
worked)

Agriculture	01
Mining	02
Construction	03
Manufacturing	04
Durable goods	05
Non-durable goods	06
Transportation, communications & other public utilities	07
Transportation	08
Communications & public util.	09
Utilities & sanitary services	10
Wholesale & retail trade	11
Wholesale trade	12
Retail trade	13
Finance, insurance & real estate services	14
Private households	15
Miscellaneous services	16
Business & repair	17
Personal services, exc. priv. hb	18
Entertainment & recreations	19
Professional & related	20
Hospitals	21
Medical, exc. hospitals	22
Educational	23
Social services	24
Other professional	25
Forestry & fisheries	26
Public administration	27
Armed Forces	28

ATTACHMENT A (Interview Adults)

WORD CHAR. CHARACTERISTIC

UNIVERSE

DESCRIPTION

PAGE 151
VALUES

62	4-5	Detailed Occupation	Same as 123E	DESCRIPTION	VALUES
				Never worked	00
				Managerial & professional specialty	
				Executive, admin. & managerial	01
				Officials & admin., public admin.	02
				Other exec., admin. & managerial	03
				Management related	
				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 & judges	11
				Other professional specialty	12
				Technical, sales & administrative	
				support	
				Technicians & related	13
				Health technologists & tech:	14
				Engin. & science technicians	15
				Other technicians	
				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,	
				including 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

VALUES

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
62	4-5	Detailed Occupation (cont'd)			
				Service	27
				Private household	27
				Protective service	28
				Other service	29
				Food	29
				Health	30
				Cleaning & building	31
				Personal	31
				Precision production, craft & repair	32
				Mechanics & repairers	33
				Construction trades	33
				Other precision prod., craft	34
				and repair	35
				Operators, fabricators & laborers	35
				Machine oper., assemb. & inspec.	36
				Machine oper. & tenders,	36
				except precision	36
				Fabricators, assemblers,	37
				inspectors & samplers	37
				Transportation & material moving	38
				Motor vehicle operators	38
				Other transp. & material moving	39
				handlers, equip. cleaners,	39
				helpers, laborers	40
				Construction laborers	40
				Freight, stock & material handlers	41
				Other handlers, equip. cleaners,	41
				helpers & laborers	42
				Farming, forestry & fishing	42
				Farm operators & managers	43
				Farm workers & related	44
				Forestry & fishing	44
				Armed Forces	46

ATTACHMENT A

WORD CHAR. CHARACTERISTIC

UNIVERSE

DESCRIPTION

PAGE 53
VALUES

62 6 } Detailed Industry
63 1 }

Some as 125E

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
62	6	Detailed Industry	Some as 125E	Never Worked	00
				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	08
		Primary metals	09		
		Fabricated metals	10		
		Not specified metals	11		
		Machinery, exc. electrical			
		Electrical machinery, equip. & supplies	12		
		Transportation equipment			
		Motor vehicles & equipment	13		
		Other transportation equip.			
		Aircraft & parts	14		
		Other trans. equip.	15		
		Professional & photo equip.	16		
		Toys, amusement & sporting goods	17		
		Misc. & nec mfg. industries	18		
		Non-durable goods	19		
		Food & kindred products	20		
		Tobacco manufactures	21		
		Textile mill products			
		Apparel & other finished textile products	22		
		Paper & allied products	23		
		Printing, publishing & allied industries	24		
		Chemicals & allied products	25		
		Petroleum & coal products	26		
		Rubber & misc. plastics	27		
		Leather & leather products	28		

-MORE-

Detailed Industry (cont'd)

Same as I23E

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
62	6			Service-producing industries	
63	1			Transportation, communication & other public utilities	
				Transportation	29
				Communications & other public utilities	
				Communications	30
				Utilities & sanitary serv., wholesale & retail trade	31
				Wholesale trade	32
				Retail trade	33
				Finance, insurance & real estate	
				Banking & other finance	34
				Insurance & real estate	35
				Services	
				Private household	36
				Misc. services	
				Duress & repair serv.	
				Business services	37
				Repair services	38
				Personal services, exc. private household	39
				Entertainment & recreation	40
				Professional & related serv.	41
				Hospitals	42
				Health serv., exc. hospitals	43
				Educational services	44
				Social services	45
				Other professional serv.	46
				Forestry & fisheries	
				Public administration	47
				Justice, public order & safety	
				Admin. of human resource programs	48
				National security & internal affairs	49
				Other public administration	50
				Armed Forces	51

ATTACHMENT A

WORD CHAR.

CHARACTERISTIC

UNIVERSE

DESCRIPTION

PAGE 55
VALUES

63 2-4

Item 23D - INDUSTRY (1980 Edited)

Same as I23E
(Exc. Never
worked)

3-digit Industry Code

010-991

63 5-6 }
64 1 }

Item 23C - OCCUPATION (1980 Edited)

Same as I23E
(Exc. Never
worked)

3-digit Occupation Code

003-905

END OF BASIC CPS RECORD

ATTACHMENT 7

CURRENT POPULATION SURVEY
 CHILDREN'S INTERVIEW RECORD LAYOUT
 (BEGINNING JANUARY 1983)
 FOR STANDARD TAPE COPIES

083

Word	Char.	Characteristic	Universe	Description
1	1	Record type	All	Interview
2	2	Month in Sample (Recorded from Month and Rotation)	All	1-0
3	3	Blank	All	
4-6	4-6	Household ID Number	All	Northeast North Central South West
2	1-6			
3	1-3			
4	4	Region (From M.S.T.)	All	1 2 3 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	
				<ul style="list-style-type: none"> New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific
				<ul style="list-style-type: none"> 1 } Region 1 2 } Region 1 3 } Region 2 4 } Region 2 5 } Region 3 6 } Region 3 7 } Region 3 8 } Region 3 9 } Region 4
5-6		State (1st digit of State Code 1st Division Code) (From M.S.T.)	All	
				<ul style="list-style-type: none"> <u>New England Division</u> Maine 11 New Hampshire 12 Vermont 13 Massachusetts 14 Rhode Island 15 Connecticut 16
				<ul style="list-style-type: none"> <u>Middle Atlantic Division</u> New York 21 New Jersey 22 Pennsylvania 23

-more-

Hord	Char. Characteristic	Uniferso	Description
3	5-6 State (1st digit of State Code in Division Code) (From H.S.T.) (Cont'l)	All	
			<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
			<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

-more-

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code in Division Code) (From H.S.T.) (Cont'd)	All	
				<u>East 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
				<u>Pacific Division</u>
				Washington 91
				Oregon 92
				California 93
				Alaska 94
				Hawaii 95

-NOTE-

Word	Char.	Characteristic	Universe	Description	1970 Ranking
4	1-2	State Rankings (From H.S.T.)	All		
				California	01
				New York	02
				Pennsylvania	03
				Texas	04
				Illinois	05
				Ohio	06
				Michigan	07
				New Jersey	08
				Florida	09
				Massachusetts	10
				Indiana	11
				North Carolina	12
				Missouri	13
				Virginia	14
				Georgia	15
				Wisconsin	16
				Tennessee	17
				Maryland	18
				Minnesota	19
				Louisiana	20
				Alabama	21
				Washington	22
				Kentucky	23
				Connecticut	24
				Iowa	25
				South Carolina	26
				Oklahoma	27
				Kansas	28
				Mississippi	29
				Colorado	30

-more-

Universe
All

Oregon
 Arkansas
 Arizona
 West Virg
 Nebraska
 Utah
 New Hordc
 Maine
 Rhode Isl
 Hawaii
 District
 New Hamp
 Idaho
 Montana
 South Dakc
 North Dakc
 Delaware
 Nevada
 Vermont
 Wyoming
 Alaska

-more-

Word	Char.	Characteristic	Universe	Description	1970 Ranking
4	3-4	SNSA Rankings (From N.S.T.)	SNSA's	Not an SNSA and all other SNSA's	00
				New York, N.Y.	01
				Los Angeles-Long Beach, Calif.	02
				Chicago, Ill.	03
				Philadelphia, Pa. - N.J.	04
				Detroit, Mich.	05
				San Francisco-Oakland, Calif.	06
				Washington, D.C.-M.-Va.	07
				Boston, Mass.	08
				Massau-Suffolk, N.Y.	09
				Pittsburgh, Pa.	10
				St. Louis, Mo.-Ill.	11
				Baltimore, Md.	12
				Cleveland, Ohio	13
				Houston, Texas	14
				Newark, N.J.	15
				Minneapolis-St. Paul, Minn.	16
				Dallas, Texas	17
				Seattle-Everett, Wash.	18
				Anaheim-Santa Ana-Garden Grove, Calif.	19
				Milwaukee, Wis.	20
				Atlanta, Ga.	21
				Cincinnati, Ohio - Ky.	22
				Paterson-Clifton-Passaic, N.J.	23
				San Diego, Calif.	24
				Buffalo, N.Y.	25
				Miami, Fla.	26
				Kansas City, Mo.-Kan.	27
				Denver, Colo.	28
				San Bernardino-Riverside-Ontario, Calif.	29

-more-

Word	Char.	Characteristic	Universe	Description
1	3-4	SMSA Rankings (Con't) (From M.S.T.)	SMSA's	
				Indianapolis, Ind. 30
				San Jose, Calif. 31
				New Orleans, La. 32
				Tampa-St. Petersburg, Fla. 33
				Portland, Ore. 34
				Columbus, Ohio 36
				Rochester, N.Y. 38
				Sacramento, Calif. 42
				Fort Worth, Texas 44
				Birmingham, Ala. 45
				Albany-Schenectady-Troy, N.Y. 46
				Norfolk-Portsmouth, Va. 48
				Akron, Ohio 49
				Gary-Hammond-East Chicago, Ind. 53
				Greensboro-Winston-Salem- High Point, N.C. 57
5		Item 1 - INTERVIEWER CHECK ITEM	ALL	
				Blank or Impossible 1
				Only CPS-1 for household First CPS-1 of cont. household 2
				Second CPS-1 of cont. household 3
				Third, fourth, etc. CPS-1 household 4
6		Blank		

-more-

Word	Char.	Characteristic	Universe	Description
5	1-3	Blank	All	Blank or Impossible in any digit
4-6		Item 10 - INTERVIEWER CODE	All	Blank or Impossible in any digit
6	1	Item 12 - LINE NO. H'HD RESP.	All	Blank or Impossible
2		Item 13 - TYPE INTERVIEW	All	Blank or Impossible
3-4		Item 11 - DATE COMPLETED	All	Day of Month
5-6		PADDING		
7	1-5	PADDING		
6	6	BLANK		

-NA, or
 App-199
 (Excluding I--)

1-6
 7
 1
 2
 3
 4
 5

-- or
 10-29

-more-

Word	Char.	Characteristic	Universe	Description
0	1	Land Usage (Recode) (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document <u>Items 5a. and 5b-new in Feb. 76</u>) Recode reflects "old" Farm Definition.	All	Nonfarm Farm \geq 10 acres Farm $<$ 10 acres
2-3		<u>Item 4 - TYPE OF LIVING QUARTERS (Recode)</u>	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> qtrn. not HU in rooming or boarding house Unit not permanent in trans. hotel, motel, etc. Tent or trailer site Other not HU
4		<u>'New' Farm Definition (Recode) Effective February 1976. (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document <u>Items 5a. and 5b.</u>)</u>	All	Nonfarm Farm \geq 10 acres Farm $<$ 10 acres

-more-

Word Char. Characteristic Universe Description

8 5 Blank

6 Item 9 - HOUSEHOLD NUMBER All

1-8

9 1 } PADDING
through 3

16

-more-

rd	Char.	Characterizable	Universe	Description
16	4-5	Item 10A - LINE NUMBER	ALL	
		Item 10D - RELATIONSHIP TO HEAD OF HOUSEHOLD (Final Edited Recoded - using Relationship to Reference Person (See word 41, char. 1 for expanded version)	CHILD (0-13 Years)	Other relative of head (Includes own child/brother/sister/other relative) Non-relative-own relatives in household Non-relative-no own relatives in household
				4 5 6
17	1-2	Item 10C - AGE	CHILD (0-13 Years)	
				00-13
	3	PADDING		
	4	Item 10H - RACE (Race)	ALL	White Black Other
				1 2 3
	5	Item 10E - SEX	ALL	Male Female
				1 2
	6	PADDING		
	18	1-3	PADDING	
	4	Program Signal	ALL	1 CHILD in Household 2 or more children in household
				1 2
	5	Blank		
				2
	6	PADDING		

-more-

095

Word	Character	Characteristics	Universe	Description
19	1-2	PADDING		
3	FLAG		Children 0-13 years —	(NOTE: '0' or '1' in this position on Adult records as household indicator on non-interview records or principal person indicator on interview records.)
				2 (Plugged)
4-6		Document Count (Within Work Unit)	All	001-999
20	1-3	Work Unit Number (From Breaker Sheet)	All	001 or A01-99 9XX Assigned IF Breaker was missing
	4-5	Month	All	01-12
	6	Year - Last Digit	All	0-9
21 & 22	All	Final Weight	All	Two Underscored Decimal Places. (might justify, space fill -01)
23	1-6	PADDING		

-- note --

Word	Char.	Characteristic	Universe	Description
24	1-6	PADDING		
25	1-2	Blank		
	3	PADDING		
	4-6	Blank		
26	1	SMSA Status Code	All	SMSA Non SMSA Not Identifiable
	2	Central City Status Code	All	Central City Balance of SMSA Non SMSA Not Identifiable
	3	Blank		
	4	SMSA Size (From M.S.T. - reflecting 1970 Census Population)	All	3 million 1 million-2,999,999 Not Identifiable

-more-

Word	Char.	Characterizable	Und Vers	Description
26	5	Item 191 - ETHNICITY (Recode)	All	
				Mexican American 1
				Chicano 2
				Mexican (Mexicano) 3
				Puerto Rican 4
				Cuban 5
				Central or South American 6
				Other Spanish 7
				All other 8
				Do Not Know 9
				NA 9 A
27	6	PADDING		
27	1-2	PADDING		
27	3	BLANK		
	4	PADDING		
	5			
	6	BLANK		
28	1	PADDING		
	Through			
40	6			

-more-

Word	Char.	Characteristic	Universe	Description
------	-------	----------------	----------	-------------

41	1	Item 18B-Relationship to Head of household-expanded- (Edited using Head's and child's Relationship to Reference Person)	Child (0-13 years old)	Own Child Brother/Sister Other relative Non-relative-own relatives in household Non-relatives-no own relatives in household
				1 2 3 4 5

Unedited Personal Transcription Item

41	2	Item 18B - Relationship To Reference Person (FOSDIG) Note: The codes in parenthesis are the codes for adults. Note: These codes may not be consistent if used in conjunction with adult's relationship to head.	Child (0-13 years old)	Blank Own Child Brother/Sister Other Relative of Ref. Person Non-relative w/own relatives Non-relative no own relatives
				- 1 (5) 2 (7) 3 (8) 4 (9) 5 (A)

41 } 3
 58 } 6
 PADDING

-more-

Word	Char.	Characteristic	Universe	Description
59	1	Item 26	Tenure (Unedited)	Owned or being bought Rented No cash rent No entry
			ALL	6 7 8 Blank
59	2	Item 27	Total Family Income (Unedited)	
			ALL	
				Under \$5,000 \$5,000 - 7,499 \$7,500 - 9,999 \$10,000 - 12,499 \$12,500 - 14,999 \$15,000 - 17,499 \$17,500 - 19,999 \$20,000 - 24,999 \$25,000 - 29,999 \$30,000 - 34,999 \$35,000 - 39,999 \$40,000 - 49,999 \$50,000 - 74,999 \$75,000 and Over No Entry
				0 1 2 3 4 5 6 7 8 9 A B C D Blank
	3	Item 28	Total Number of Household All ² / under 14 years of age-- Boys (Unedited)	Number of Boys
				No entry
				Blank
	4	Item 28	Total Number of Household All ² / under 14 years of age-- Girls (Unedited)	Number of Girls
				No entry
				Blank
59	5	PADDING		
64	1			

1/ Note Items 26-28 are included on each person's record.

2/ January, April, July, and October only. Padding all other months.

-END OF BASIC CPS RECORD-

CURRENT POPULATION SURVEY
 NONINTERVIEW TYPE A RECORD LAYOUT
 FOR STANDARD TAPE COPIES
 (BEGINNING JANUARY 1982)

Attachment B

Page 1

Word	Char.	Characteristic	Universe	Description
1	1	Record Type	A11	Noninterview Type A
2	2	Month in Sample (Recorded from Month and Rotation)	A11	1-8
3	3	Blank		
4-6	} 4-6 1-6 1-3	Household ID Number (Word 1; Character 5 will always be blank)	A11	
2				
3				
4	4	Region (From M.S.T.)	A11	Northeast North Central South West
5	5	Division (From M.S.T.)	A11	New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific

- 1) Region 1
- 2) Region 1
- 3) Region 2
- 4) Region 2
- 5) Region 3
- 6) Region 3
- 7) Region 3
- 8) Region 4
- 9) Region 4

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.)	A11	
				<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 1s Division Code) (From M.S.T.) (Con't)	All	
				<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	1970 Ranking
3	5-6	State (1st digit of State Code 1s Division Code) (From M.S.T.) (Con't)	A11	<u>Pacific Division</u> Washington Oregon California Alaska Hawaii	91 92 93 94 95
4	1-2	State Rankings (From M.S.T.)	A11	California New York Pennsylvania Texas Illinois Ohio Michigan New Jersey Florida Massachusetts Indiana North Carolina Missouri Virginia Georgia Wisconsin Tennessee Maryland Minnesota Louisiana Alabama Washington Kentucky Connecticut Iowa South Carolina	<u>1970 Ranking</u> 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

-more-

Word	Char.	Characteristic	Universe	Description
4	1-2	State Rankings (Con't) (From M.S.T.)	A11	Oklahoma 27 Kansas 28 Mississippi 29 Colorado 30 Oregon 31 Arkansas 32 Arizona 33 West Virginia 34 Nebraska 35 Utah 36 New Mexico 37 Maine 38 Rhode Island 39 Hawaii 40 District of Columbia 41 New Hampshire 42 Idaho 43 Montana 44 South Dakota 45 North Dakota 46 Delaware 47 Nevada 48 Vermont 49 Wyoming 50 Alaska 51
4	3-4	SMSA Rankings (From M.S.T.)	SMSA's	Not an SMSA and all other SMSA's 00 New York, N.Y. 01 Los Angeles-Long Beach, Calif. 02 Chicago, Ill. 03 Philadelphia, Pa.-N.J. 04 Detroit, Mich. 05

1970 Ranking

-more-

Word	Char.	Characteristic	Universe	Description
4	3-4	SMSA Rankings (From M.S.T.) (Con't)	SMSA's	
				San Francisco-Oakland, Calif. 06
				Washington, D.C.-Md.-Va. 07
				Boston, Mass. 08
				Nassau-Suffolk, N.Y. 09
				Pittsburgh, Pa. 10
				St. Louis, Mo.-Ill. 11
				Baltimore, Md. 12
				Cleveland, Ohio 13
				Houston, Texas 14
				Newark, N.J. 15
				Minneapolis-St. Paul, Minn. 16
				Dallas, Texas 17
				Seattle-Everett, Wash. 18
				Anaheim-Santa Ana- 19
				Garden Grove, Calif. 20
				Milwaukee, Wis. 21
				Atlanta, Ga. 22
				Cincinnati, Ohio-Ky. 23
				Paterson-Cifton-Passaic, N.J. 24
				San Diego, Calif. 25
				Buffalo, N.Y. 26
				Miami, Fla. 27
				Kansas City, Mo.-Kan. 28
				Denver, Colo. 29
				San Bernardino-Riverside- 30
				Ontario, Calif. 31
				Indianapolis, Ind. 32
				San Jose, Calif. 33
				New Orleans, La. 34
				Tampa-St. Petersburg, Fla. 35
				Portland, Ore. 36
				Columbus, Ohio 37
				Rochester, N.Y. 38
				Sacramento, Calif. 42

-more-

Word Char. Characteristic Universe Description

4 3-4 SMSA Rankings (Con't) SMSA's 44
 (From M.S.T.) 45
 Fort Worth, Texas 46
 Birmingham, Ala. 48
 Albany-Schenectady-Troy, N.Y. 49
 Norfolk-Portsmouth, Va. 53
 Akron, Ohio 57
 Gary-Hammond-East Chicago, Ind. 53
 Greensboro-Winston-Salem High Point, N.C. 57

5 Item 1 - INTERVIEWER A11
 CHECK ITEM
 Blank or Impossible 1
 Only CPS-1 for household 1
 First CPS-1 of cont. household 2
 Second CPS-1 of cont. household 3
 Third, fourth, etc. CPS-1 household 4

6 Blank

5 1-3 Blank

4-6 Item 10 - INTERVIEWER CODE A11
 Blank or Impossible in any digit

-NA, or
 A00-M99
 (Excluding 1--)

6 1 Item 12 - LINE NO. H'HLID RESP. A11
 Blank or Impossible 1-6
 Non H'hlid Resp. 7

2 Item 13 - TYPE INTERVIEW A11
 Noninterview 1

-more-

90

Word	Char.	Characteristic	Universe	Description	
6	3-4	Item 11 - DATE COMPLETED	A11	Day of Month	-- OR 10-29
7	1	Item 14 - RACE OF HEAD	A11	White	1
				Black	2
				Other	3
2		Item 14 - REASON	A11	No one home Temporarily absent Refused Other - Occ.	1 2 3 4
3-5		PADDING			
6		Blank			
8	1	Land Usage (Recode) (Edited using Urban/Rural Code from M.S.I. and CPS-1 Document Items 5a. and 5b-new in Feb. 76) Recode reflects "old" Farm Definition.	A11	Nonfarm Farm ≥ 10 acres Farm < 10 acres	1 2 3
2-3		Item 4 - TYPE OF LIVING QUARTERS (Recode)	A11	Housing Unit 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	01 02 03 04 05 06

-more-

Word	Char.	Characteristic	Universe	Description	
8	2-3	Item 4 - TYPE OF LIVING QUARTERS (Recode) (Con't)	A11	Other Unit Qtrs. not HU in rooming or boarding house Unit not permanent in trans. hotel, motel, etc. Tent or trailer site Other not HU	07 08 09 10
4		"New" Farm Definition (Recode) Effective February 1976. (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document Items 5a. and 5b.)	A11	Nonfarm Farm ≥ 10 acres Farm < 10 acres	1 2 3
5		Blank			
6		Item 9 - HOUSEHOLD NUMBER (Unedited)	A11	Blank 1-8	- 1-8
9 through 19	1 2	PADDING			
3		Household Indicator	A11		1
4-6		Document Count (Within Work Unit)	A11		001-999
20	1-3	Work Unit Number (From Breaker Sheet)	A11	If Breaker was missing	001 or 001-999 9XX Assigned

-more

Word	Char.	Characteristic	Universe	Description	No. of errors charged to enumerator
20	4-5	Month	A11		01-12
	6	Year - Last Digit	A11		0-9
21	1-6	} Fill	A11	(Binary 01)	1
22	1-5		A11	"Regular Type A" Sub Sample	2-4
	6	Final Weight	A11		
23	A11	Blank			
24	1	Blank			
	2-3	PADDING			
	4-6	JRCERR			
25	1-2	Blank			
	3	PADDING			
	4-6	Blank			
26	1	SMSA Status Code	A11	SMSA Non SMSA Not Identifiable	1 2 3
	2	Central City Status Code	A11	Central city Balance of SMSA Non SMSA Not Identifiable	1 2 3 4

-more-

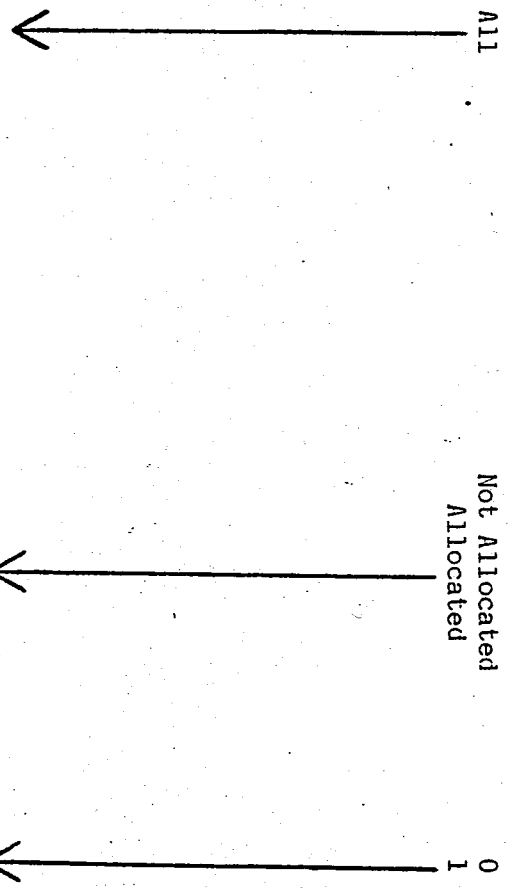
Word	Char.	Characteristic	Universe	Description
26	3	Blank		
	4	SMSA Size (From M.S.T. - reflecting 1970 Census Population)	A11	3 million+ 1 million-2,999,999 Not Identifiable
				Blank
				1
				2
	5-6	PADDING		
27	1-3	Blank		
	4	RACE (Recode)	A11	White Other
				1
				2
	5-6	Blank		
28	1	Blank		
	through			
52	6	Blank		

-more-

Word	Char.	Characteristic	Universe	Description
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BASIC CPS ALLOCATION FLAGS

Word	Char.	Characteristic	Universe	Description
53	1	Item 5a	All	Not Allocated
	2	4		Allocated
	3	5b		
	4	9		
53 Thru 54	5	Padding		
	2			
54	3	14 - Race		
54 Thru 58	4	Padding		
	5			
58	6	Geographic Identification		
59 Thru 64	1	Padding		
	1			



END OF BASIC CPS RECORD

CURRENT POPULATION SURVEY

NONINTERVIEW TYPE B-C RECORD LAYOUT

FOR STANDARD TAPE COPIES

(Beginning January 1982)

Attachment C

Word	Char.	Characteristic	Universe	Description
1	1	Record Type	A11	Noninterview Type B or C
2	2	Month in Sample (Recorded from Month and Rotation)	A11	1-8
3	3	Blank		
4-6	4-6	Household ID Number (Word 1; Character 5 will always be blank)	A11	
2	1-6			
3	1-3			
4	4	Region (From M.S.T.)	A11	Northeast 1 North Central 2 South 3 West 4
5	5	Division (From M.S.T.)	A11	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

Word	Char.	Characteristic	Universe	Description	
3	5-6	State (1st digit of State Code 1s Division Code) (From M.S.T.)	A11		
				<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 1s Division Code) (From H.S.T.) (Con't)	A11	
				<u>South Atlantic Division</u>
				Delaware
				Maryland
				District of Columbia
				Virginia
				West Virginia
				North Carolina
				South Carolina
				Georgia
				Florida
				<u>East South Central Division</u>
				Kentucky
				Tennessee
				Alabama
				Mississippi
				<u>West South Central Division</u>
				Arkansas
				Louisiana
				Oklahoma
				Texas
				<u>Mountain Division</u>
				Montana
				Idaho
				Wyoming
				Colorado
				New Mexico
				Arizona
				Utah
				Nevada

-more-

Word	Char.	Characteristic	Universe	Description	1970 Ranking
3	5-6	State (1st digit of State Code 1s Division Code) (From M.S.T.) (Cont)	A11	<u>Pacific Division</u> Washington Oregon California Alaska Hawaii	91 92 93 94 95
4	1-2	State Rankings (From M.S.T.)	A11	California New York Pennsylvania Texas Illinois Ohio Michigan New Jersey Florida Massachusetts Indiana North Carolina Missouri Virginia Georgia Wisconsin Tennessee Maryland Minnesota Louisiana Alabama Washington Kentucky Connecticut Iowa South Carolina	<u>1970 Ranking</u> 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

-more-

Word	Char.	Characteristic	Universe	Description
4	1-2	State Rankings (Con't) (From M.S.T.)	All	Oklahoma Kansas Mississippi Colorado Oregon Arkansas Arizona West Virginia Nebraska Utah New Mexico Maine Rhode Island Hawaii District of Columbia New Hampshire Idaho Montana South Dakota North Dakota Delaware Nevada Vermont Wyoming Alaska
4	3-4	SMSA Rankings (From M.S.T.)	SMSA's	Not an SMSA and all other SMSA's New York, N.Y. Los Angeles-Long Beach, Calif. Chicago, Ill. Philadelphia, Pa.-N.J. Detroit, Mich.

1970 Ranking

00
01
02
03
04
05

-more-

Word	Char.	Characteristic	Universe	Description	
4	3-4	SMSA Rankings (From M.S.T.) (Con't)	SMSA's	San Francisco-Oakland, Calif.	06
				Washington, D.C.-Md.-Va.	07
				Boston, Mass.	08
				Nassau-Suffolk, N.Y.	09
				Pittsburgh, Pa.	10
				St. Louis, Mo.-Ill.	11
				Baltimore, Md.	12
				Cleveland, Ohio	13
				Houston, Texas	14
				Newark, N.J.	15
				Minneapolis-St. Paul, Minn.	16
				Dallas, Texas	17
				Seattle-Everett, Wash.	18
				Anaheim-Santa Ana- Garden Grove, Calif.	19
				Milwaukee, Wis.	20
				Atlanta, Ga.	21
				Cincinnati, Ohio-Ky.	22
				Paterson-Cifton-Passaic, N.J.	23
				San Diego, Calif.	24
				Buffalo, N.Y.	25
				Miami, Fla.	26
				Kansas City, Mo.-Kan.	27
				Denver, Colo.	28
				San Bernardino-Riverside- Ontario, Calif.	29
				Indianapolis, Ind.	30
				San Jose, Calif.	31
				New Orleans, La.	32
				Tampa-St. Petersburg, Fla.	33
				Portland, Ore.	34
				Columbus, Ohio	36
				Rochester, N.Y.	38
				Sacramento, Calif.	42

-more-

Word	Char.	Characteristic	Universe	Description
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4	3-4	SMSA Rankings (Con't) (From M.S.T.)	SMSA's	
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44		Fort Worth, Texas		
45		Birmingham, Ala.		
46		Albany-Schenectady-Troy, N.Y.		
48		Norfolk-Portsmouth, Va.		
49		Akron, Ohio		
53		Gary-Hammond-East Chicago, Ind.		
57		Greensboro-Winston-Salem High Point, N.C.		

5		Item 1 - INTERVIEWER CHECK ITEM	A11	
---	--	------------------------------------	-----	--

-		Blank or Impossible Only CPS-1 for household		
1		First CPS-1 of cont. household		
2		Second CPS-1 of cont. household		
3		Third, fourth, etc. CPS-1		
4				

6		Blank		
5	1-3	Blank		

Blank or Impossible in any digit

4-6		Item 10 - INTERVIEWER CODE	A11	
-----	--	----------------------------	-----	--

-NA, or
APP-M99
(Excluding I--)

6	1	Item 12 - LINE NO. H'HLD RESP.	A11	
---	---	--------------------------------	-----	--

Blank or Impossible	-
Non H'hld Resp.	1-6
	7

2		Item 13 - TYPE INTERVIEW	A11	
---	--	--------------------------	-----	--

Noninterview	1
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-more-

Word	Char.	Characteristic	Universe	Description
7	3-5	PADDING		
	6	Blank		
8	1	Land Usage (Recode) (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document Items 5a. and 5b-new in Feb. 76) Recode reflects "old" Farm Definition.	A11	Nonfarm Farm \geq 10 acres Farm < 10 acres
				1 2 3
2-3		Item 4 - TYPE OF LIVING QUARTERS (Recode)	A11	Housing Unit 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
				01 02 03 04 05 06

-more-

Word	Char.	Characteristic	Universe	Description
8	2-3	Item 4 - TYPE OF LIVING QUARTERS (Recode) (Con't)	A11	Other Unit qtrs. not HU in rooming or boarding house Unit not permanent in trans. hotel, motel, etc. Tent or trailer site Other not HU
				07
				08
				09
				10
4		"New" Farm Definition (Recode) Effective February 1976. (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document items 5a. and 5b.)	A11	Nonfarm Farm ≥ 10 acres Farm < 10 acres
				1
				2
				3
5		Blank		
6		Item 9 - HOUSEHOLD NUMBER (Unedited)	A11	Blank 1-8
				-
				1-8
				1
9 through 19	1 2	PADDING		
3		Household Indicator	A11	1
4-6		Document Count (Within Work Unit)	A11	001-999
20	1-3	Work Unit Number (From Breaker Sheet)	A11	001 or ΔΔ1-999 9XX Assigned
				If Breaker was missing

-more

Word	Char.	Characteristic	Universe	Description
20	4-5	Month	A11	
				01-12
	6	Year - Last Digit	A11	
				0-9
21	1-6	} F111	A11	(Binary 01)
22	1-5			
	6	Final Weight	A11	"Regular Type B-C" Sub Sample
				1 2-4
23	A11	Blank		
24	1	Blank		
	2-3	PADDING		
	4-6	JRCERR		No. of errors charged to enumerator
				000-999
25	1-2	Blank		
	3	PADDING		
	4-6	Blank		
26	1	SMSA Status Code	A11	SMSA Non SMSA Not Identifiable
				1 2 3
	2	Central City Status Code	A11	Central city Balance of SMSA Non SMSA Not Identifiable
				1 2 3 4

-more-

Word	Char.	Characteristic	Universe	Description	
26	3	Blank			
	4	SMSA Size (From M.S.T. - reflecting 1970 Census Population)	A11	3 million+ 1 million-2,999,999 Not identifiable	1 2 Blank
	5-6	PADDING			
27	1-3	Blank			
	4	RACE (Recode)	A11	White Other	1 2
	5-6	Blank			
28	1	Blank			
	through				
52	6				

-more-

Word	Char.	Characteristic	Universe	Description
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BASIC CPS ALLOCATION FLAGS

53	1	Item 5a	All	Not Allocated	0
	2	4	↑	↑	↑
	3	5b			
	4	9			
53 Thru 58	5	PADDING			
58	6	Geographic Identification			
59 Thru 64	1 } 1 } 1 }	PADDING			

END OF BASIC CPS RECORD

PUBLIC USE FILE

SEPTEMBER 1983 IMMUNIZATION
SURVEY SUPPLEMENT RECORD LAYOUT

February 1984

Page 1

Word	Char.	Item	Character/Block	Universe	Description	
64 thru 65	2 6		BLANK			
66	1	27A	First digit of Segment 1s	All Interviews except Rotations 2 and 6	3,4,5,6 1,2,7,8 Blank	1 2 -
	2	27B	Telephone in Household		Yes No Blank	1 2 -
	3	27C	Telephone Available		Yes No Blank	1 2 -
	4	27D	Telephone Interview Acceptable		Yes No Blank	1 2 -
66 thru 67	5 3		BLANK			
67	4	28	Interviewer Check Item Rotation Number	All Interviews	1,3,4,5,7 or 8 2 or 6 Blank	1 2 -

Form	Char.	Item	Characteristics	Universe	Description	
			<u>EDITED (Excludes Rotation Groups 2 & 6)</u>			
67	5	29	Have Diabetes?	Adults 14+	Yes No Don't Know NA	1 2 3 4
67	6	30	Has Chronic Kidney Disease?	Adults 14+	Yes No Don't Know NA	1 2 3 4
68	1	31	Has Asthma..Bronchittis?	Adults 14+	Yes No Don't Know NA	1 2 3 4
	2	32	Has Chronic Heart condition?	Adults 14+	Yes: No Don't Know NA	1 2 3 4
	3	33	Had Flu Shot? Sept. 1, 1983-Aug. 31, 1983	All	Yes No Don't Know NA	1 2 3 4
	4	34	Had Polio vaccine by mouth?	Adults 14-19 & Children	Yes No Don't Know NA	1 2 3 4

Word	Char.	Item	Characteristics	Universe	Description	
68	5	35	How many times Polio by mouth?	Adults 14-19 and Children With Yes in Item 34	One Time Two Times Three Times Four+ Times Don't Know NA	1 2 3 4 5 6
68	6	36	How many times Polio by mouth in 12 months?	Adults 14-19 and Children With Yes in Item 34	None One Time Two Times Three Times Four+ Times Don't Know NA	1 2 3 4 5 6 7
69	1	37	Had DTP Shots?	Adults 14-19 and Children	Yes No Don't Know NA	1 2 3 4
	2	38	How many DTP Shots?	Adults 14-19 and Children With Yes in Item 37	One Two Three Four Five+ Don't Know NA	1 2 3 4 5 6 7
	3	39	Had Red Measles?	Adults 14-19 and Children	Yes No Don't Know NA	1 2 3 4


Word	Char.	Item	Characteristics	Universe	Description	
69	4	40	Had Red Measles in past 12 months?	Adults 14-19 and Children With Yes in Item 39	Yes	1
					No	2
					Don't Know	3
					NA	4
5	41	Had Red Measles Shots?	Adults 14-19 and Children	Yes	1	
				No	2	
				Don't Know	3	
				NA	4	
6	42	Had Red Measles Shot in past 12 months?	Adults 14-19 and Children With Yes in Item 41	Yes	1	
				No	2	
				Don't Know	3	
				NA	4	
70	1	43	Had Three-day Measles?	Adults 14-19 and Children	Yes	1
					No	2
					Don't Know	3
					NA	4
2	44	Had Three-day Measles in past 12 months?	Adults 14-19 and Children With Yes in Item 43	Yes	1	
				No	2	
				Don't Know	3	
				NA	4	
3	45	Had Three-day Measles Shots?	Adults 14-19 and Children	Yes	1	
				No	2	
				Don't Know	3	
				NA	4	

Item	Char.	Item	Characteristics	Universe	Description	
4		46	Had Three-day Measles Shots in past 12 months?	Adults 14-19 and Children With Yes in Item 45	Yes No Don't Know NA	1 2 3 4
5		47	Had Mumps in past 12 months?	Adults 14-19 and Children	Yes No Don't Know NA	1 2 3 4
6		48	Had Mumps Vaccine?	Adults 14-19 and Children	Yes No Don't Know NA	1 2 3 4
71	1	49	Had Mumps in past 12 months?	Adults 14-19 and Children With Yes in Item 48	Yes No Don't Know NA	1 2 3 4
2		50	Age of this person	Children 0-13	0-5 years 6-13 years	1 2
3		51	Enrolled in Licensed day care? September 1, 1982-August 31, 1983	Children 0-13	Yes No Don't Know NA	1 2 3 4

Word	Char.	Item	Characteristics	Universe	Description	
71	4	52	Any Person in Household 0-19 Years Old	Interview A11 rotations <u>except</u> 2 & 6	Yes No	1 2
	5	53	Refer to an immunization record	152 = 1	Yes No Not Available	1 2 9
	6	54	Who answered for 0-19 Year Old Children	152 = 1	Parent Self Other Relative Nonrelative Not Available	1 2 3 4 9
72	1-6		BLANK			
73	1-6		BLANK			
74	1-6		BLANK			

Word	Char.	Item	Characteristics	Universe	Description
75	1				
76	thru 6		Supplement Weight	All except Rot. 2 & 6	Two Understood Decimal Places (right-justified - space fill)
77	1				
80	thru 6		Blank		

ATTACHMENT 11
Questionnaire Facsimile

<p>INTERVIEWER CHECK ITEM</p> <p>Only CPS-1 for household <input type="checkbox"/></p> <p>First CPS-1 of continuation h'hold <input type="checkbox"/></p> <p>Second CPS-1 of continuation h'hold <input type="checkbox"/></p> <p>Third, fourth, and 5th CPS-1 <input type="checkbox"/></p>	<p>FORM CPS-1</p>  <p>U.S. DEPARTMENT OF COMMERCE Bureau of the Census</p> <p>CURRENT POPULATION SURVEY</p> <p><i>Form Approved - O.M.B. No. 0607-0049</i></p>	<p>CONTROL NUMBER</p> <p>PSU SEGMENT SERIAL</p>
<p>LINE NO. OF H'HOLD RESP. _____</p> <p>NON H'HOLD RESPONDENT <input type="checkbox"/> <i>(Specify and Send Intercomm)</i></p>		
<p>INTERVIEW</p> <p>ANY ENTRY OTHER THAN NEVER WORKED IN ITEMS 23A-E in this CPS-1 Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>NONINTERVIEW</p> <p>TYPE A <input type="checkbox"/></p> <p>TYPE B <input type="checkbox"/></p> <p>TYPE C <input type="checkbox"/></p> <p><i>(SEND INTER COMM)</i></p>		

CURRENT

POPULATION

SURVEY

TELEPHONE HOLD
(Mark this box for office "telephone hold" cases only)

SEPTEMBER 1983

Page 1

18. LINE NUMBER

19. What was ... going most of LAST WEEK - Working Keeping house Going to school or something else?

20. Did ... do any work at all LAST WEEK, not counting work around the house? (Note: If farm or business operator in hh., ask about unpaid work.)

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?

22. (If LK in 19, skip to 22A.) Has ... been looking for work during the past 4 weeks?

23. DESCRIPTION OF JOB OR BUSINESS

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., 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.)

24. INTERVIEWER CHECK ITEM (Rotation number) First digit of SEGMENT number is: 1,2,4,5,6 or 8 (End questions) 3 or 7 (Go to 24A)

24A. When did ... last work for pay at a regular job or business, either full- or part-time?

24B. Why did ... leave that job?

24C. Does ... want a regular job now, either full- or part-time?

24D. What are the reasons ... is not looking for work? (Mark each reason mentioned)

24E. Does ... intend to look for work of any kind in the next 12 months?

25. INTERVIEWER CHECK ITEM (Rotation number) First digit of SEGMENT number is: 1,2,4,5,6 or 8 (End questions) 3 or 7 (Go to 25A)

25A. How many hours per week does ... USUALLY work at this job?

25B. Is ... paid by the hour on this job?

25C. How much does ... earn per hour?

25D. How much does ... USUALLY earn per week at this job BEFORE deductions? Include any overtime pay, commissions, or tips usually received.

25E. On this job, is ... a member of a labor union or of an employee association similar to a union?

25F. On this job, is ... covered by a union or employee association contract?

26. INDUSTRY OCCUPATION

OFFICE	A	N
USE ONLY	B	P
	C	Q
	D	R
	E	S
	F	T
	G	U
	H	V
	J	W
	K	X
	L	Y
Ref.	M	Z

27. Was this person An employee of PRIVATE Co., bus., or individual for wages, salary or comm. ... A FEDERAL government employee ... A STATE government employee ... A LOCAL government employee ... Self-empl. in OWN bus., prof. practice, or farm ... Is the business incorporated? ... Working WITHOUT PAY in fam. bus. or farm ... NEVER WORKED

28. INTERVIEWER CHECK ITEM (End questions)

18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PARENT'S LINE NUMBER	18D. AGE	18E. MARITAL STATUS	18F. SPOUSE'S LINE NUMBER	18G. SEX AND VETERAN STATUS	18H. HIGHEST GRADE ATTENDED	18I. GRADE COMPLETED	18J. RACE	18K. ORIGIN
	Reference Person WITH other relatives in household			Married - civilian spouse present		Male (Also Mark Vet. Status)	E H C	Yes	1. White	
	Reference Person with NO other relatives in household			Married - Armed Forces spouse present		Vietnam Era		No	2. Black	
	Husband			Married - spouse absent (Exclude separated)		Korean War			3. Amer. Indian, Aleut, Eskimo	
	Wife			Widowed		World War II			4. Asian or Pacific Isl.	
	Own child			Divorced		Other Service			5. Other	
	Parent			Separated		Nonveteran		None		
	Brother/Sister			Never married	None	Female				
	Other rel. of Ref. Person									
	Non-rel. of Ref. Person WITH OWN relatives in household	None								
	Non-rel. of Ref. Person with NO OWN relatives in household	None								

SUPPLEMENT QUESTIONS

28. INTERVIEWER CHECK ITEM <i>(Rotation number)</i> 1, 3, 4, 5, 7 or 8 (Go to 29) 2 or 6 (End interview)	39. Has ... ever had the red measles, also known as the eight-day measles? Yes No (Skip to 41) DK (Skip to 41)
LEAD IN: This month we are asking some additional questions about certain diseases and illnesses and protection from them.	40. Has ... had the red measles during the past 12 months? Yes No DK
29. Does ... have diabetes? Yes No Don't know	41. Has ... ever had an injection or shot against the red measles, also known as the eight day measles? Yes No (Skip to 43) DK (Skip to 43)
30. Does ... have chronic kidney disease? Yes No DK	42. Has ... had an injection or shot against the red measles during the past 12 months? Yes No DK
31. Does ... have asthma (asthma), emphysema (emphysema), tuberculosis (tuberculosis) or chronic bronchitis? Yes No DK	43. Has ... ever had the three-day measles, also known as Rubella or German measles? Yes No (Skip to 45) DK (Skip to 45)
32. Has ... ever been told by a doctor that he/she had a chronic heart condition such as a heart attack (heart attack), a rheumatic heart condition (rheumatic heart condition), high blood pressure (high blood pressure), or hardening of the arteries? Yes No DK	44. Has ... had the three-day measles during the past 12 months? Yes No DK
33. Did ... receive influenza vaccine (influenza vaccine), during the period September 1, 1982 - August 31, 1983? Yes No DK	45. Has ... ever had an injection or shot against the three-day measles, also known as Rubella or German measles? Yes No (Skip to 47) DK (Skip to 47)
33A. INTERVIEWER CHECK ITEM This person is 14-19 years old (Ask item 34) All others (Skip to item 49A)	46. Has ... had an injection or shot against the three-day measles during the past 12 months? Yes No DK
34. Has ... ever had polio vaccine by mouth? Yes No (Skip to 37) DK (Skip to 37)	47. Has ... had mumps within the past 12 months? Yes No DK
35. How many times has ... ever had polio vaccine by mouth? DK	48. Has ... ever had an injection or shot against the mumps? Yes No (Skip to 49A) DK (Skip to 49A)
36. How many times during the past 12 months has ... had polio vaccine by mouth? DK	49. Has ... had an injection or shot against the mumps during the past 12 months? Yes No DK
37. Has ... ever had any shots against diphtheria, tetanus and whooping cough, that is DTP? Yes No (Skip to 39) DK (Skip to 39)	49A. INTERVIEWER CHECK ITEM Is this the last h'hold member 14+ years of age? Yes (Fill 49B) No (Go to next person)
38. How many DTP shots has ... ever had? DK	49B. INTERVIEWER CHECK ITEM Are there any children 0-13 years of age in this h'hold? Yes (Skip to item 33) No (Skip to item 52 on household page 3)

ATTACHMENT 12

UNWEIGHTED AND WEIGHTED COUNTS

TOTAL INTERVIEWS	UNWEIGHTED	WEIGHTED (1000'S)
WHITE		
MALE		
<14	13889	19876
14+	50083	74986
FEMALE		
<14	13164	18887
14+	55376	81958
BLACK		
MALE		
<14	2230	3700
14+	5025	9002
FEMALE		
<14	2238	3639
14+	6515	11039
OTHER		
MALE		
<14	830	970
14+	1951	2369
FEMALE		
<14	803	946
14+	2057	2443
TOTAL RECORDS		
	UNWEIGHTED	WEIGHTED (1000'S)
TOT RECORDS	167419	229715
INTERVIEWS	154161	229715
<14	33154	47918
14+	121007	181797
TYPE A	2349	0
TYPE B/C	10909	0

Attachment 13

Source and Reliability of the Estimates National Immunization Survey, September 1983

SOURCE OF DATA

The estimates in this report are based on data obtained in September of 1983 in three-fourths sample (i.e., 6 out of 8 rotation groups) of the Current Population Survey (CPS) of the Bureau of the Census.

The monthly CPS deals mainly with labor force data for the civilian noninstitutional population. Questions relating to labor force participation are asked about each member 14 years old and over in each sample household. In September 1983, additional questions were asked relating to immunization.

The present CPS sample was initially selected from the 1970 census files and is continually updated to reflect new construction. The monthly CPS sample is spread over 629 areas with coverage in each of the 50 states and the District of Columbia. The CPS sample areas are comprised of 1,148 counties, independent cities, and minor civil divisions in the nation. From this sample, approximately 60,500 occupied households were eligible for interview. Of this number, about 2,500 occupied units were visited but interviews were not obtained because the occupants were not found at home after repeated calls or were unavailable for some other reason.

The estimation procedure used in this survey involves the inflation of the weighted sample results to independent estimates of the total civilian noninstitutional population of the United States by age, race and sex. These independent estimates are based on statistics from the decennial censuses; statistics on births, deaths, immigration and emigration; and statistics on the strength of the Armed Forces.

RELIABILITY OF THE ESTIMATES

Since the estimates in this report are based on a sample, they may differ somewhat from the figures that would have been obtained had a complete census been taken using the same questionnaires, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey -- sampling and nonsampling. The standard errors provided for this report primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration, but do not measure any systematic biases in the data. The full extent of the nonsampling error is unknown. Consequently, particular care should be exercised in the interpretation of figures based on a relatively small number of cases or on small differences between estimates.

Nonsampling Variability

Nonsampling errors in surveys can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in 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 within the sample (undercoverage).

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage, as compared to the level of the 1980 decennial census, is about 7 percent. It is known that CPS undercoverage varies with age, sex and race. Generally, undercoverage is larger for males than for females and larger for Blacks and other races than for Whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey 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 than interviewed persons in the same age-sex-race group. Further, the independent population controls used 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

The standard errors given in the following tables are primarily measures of sampling variability, that is, of the variation that occurred by chance because a sample rather than the entire population was surveyed. The sample estimate and its estimated standard error enable one to construct confidence intervals, ranges that would include the average result of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. 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.
3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples.

The average estimate derived from all possible samples may or may not be contained in any particular computed interval. However, for a particular sample, one can say with a specified confidence that the average estimate derived from all possible samples is included in the confidence interval.

Note When Using Small Estimates

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon the size of the percentage and the size of the base of the percentage. 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.

Particular care should be exercised in the interpretation of estimated percentages or estimated numbers based on a relatively small number of cases or on small differences between estimates.

Standard Error Tables and Their Use

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations were required. Therefore, instead of providing an individual standard error for each estimate, generalized sets of standard errors are provided for various types of characteristics. As a result, the sets of standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

The figures in Tables A through C provide approximations to standard errors of estimated numbers and estimated percentages. For standard errors of estimated numbers and percentages for poverty data use tables A or B as footnoted. In all the standard error tables, standard errors for intermediate values not shown may be approximated by interpolation. Standard errors of estimated numbers for age groups covering 11 to 14 years are obtained by interpolating between column (2) and column (3) of table A; standard errors of estimated percentages for those age groups are obtained by interpolating between table B and table C.

Illustration of the Use of Tables of Standard Errors

Suppose that there were 712,000 persons, aged 1-19, in the Middle Atlantic Division who had received an influenza vaccine during the twelve months before September 1983. From Column 2 of Table A, the standard error of an estimate of this size is found to be approximately 73,000. Consequently, the 68 percent confidence interval for number of persons aged 1-19 in the Middle Atlantic Division who had received an influenza vaccine during the twelve months before September 1983 is from 639,000 to 785,000. 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 68 percent of all possible samples. Similarly, we could conclude with 95 percent confidence that in the twelve months before September 1983, the number of persons aged 1-19 in the Middle Atlantic Division who had received an influenza vaccine is from 566,000 to 858,000.

Also, suppose that of the 33,000,000 persons aged 10 or less, 4.0 percent had received an influenza vaccine during the twelve months before September 1983. Table C shows the standard error of 4.0 percent on a base of 33,000,000 to be approximately 0.2 percent. Consequently, the 68 percent confidence interval for the percentage of persons aged 10 or less who had an influenza vaccine during the twelve months before September 1983 is from 3.8 to 4.2 and the 95 percent confidence interval is from 3.6 to 4.4.

Also, suppose that of the 10,000,000 persons aged 11-24, 5 percent had received an influenza vaccine during the twelve months before September 1983.

As mentioned before, standard errors of estimated percentages for age groups covering 11 to 24 years are obtained by interpolating between Table B and Table C. Table B shows the standard error of 5 percent on a base of 10,000,000 to be 0.6 percent and Table C shows this number to be 0.4 percent. By interpolating between Table B and C (i.e., 0.6 and 0.4), the standard error of 5 percent on a base of 10,000,000 persons aged 11-24 would be approximately 0.5 percent. Consequently, the 68 percent confidence interval of the percentage of persons aged 11-24 who had an influenza vaccine during the twelve months before September 1983 is from 4.5 to 5.5 and the 95 confidence interval is from 4.0 to 6.0.

Standard Error of a Difference

For a difference between two sample estimates, the standard error is approximately equal to

$$\sigma_{(x-y)} = \sqrt{\sigma_x^2 + \sigma_y^2}$$

where σ_x and σ_y are the standard errors of the estimates x and y ; the estimates can be of numbers, percents, ratios, etc. This will represent the actual standard errors quite accurately for the difference between two estimates of the same characteristic in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. If, however, 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 an Estimated Difference

Suppose that 66.0 percent of the 11,000,000 white children, aged 1-4 years, had ever received oral polio vaccine 3 or more times. For nonwhite children the percentage is 37.0 of 3,000,000. The apparent difference between the percentages of white and nonwhite children is 29.0 percent. Table C shows the standard error of 66.0 percent on a base of 11,000,000 to be approximately 0.8 percent, and the standard error of 37.0 percent on a base of 3,000,000 is 1.5 percent.

Thus, the standard error on the estimated difference of 29.0 percent is approximately

$$\sigma_{x-y} = \sqrt{0.8^2 + 1.5^2} = 1.7$$

This means that the 68 percent confidence interval for the difference between the percent of white and nonwhite children aged 1-4 years who had ever received oral polio vaccine 3 or more times is from 27.3 to 30.7, and the 95 percent confidence interval is from 25.6 to 32.4. Since the 95 percent confidence interval does not include zero, we can conclude with 95 percent confidence that the percentage of white children aged 1-4 years who had ever received oral polio vaccine 3 or more times is larger than that of nonwhite children.

Table A

Standard Errors of Estimated Numbers
of Persons 1/

(Numbers in thousands)

Size of Estimate (1)	Standard Error <u>2/</u>	
	Age Groups Covering 15 or More Years (2)	Age Groups Covering 10 or Fewer Years (3)
250	44	26
500	62	37
1,000	87	52
2,500	136	80
5,000	189	108
10,000	257	140
25,000	358	141
50,000	363 <u>3/</u>	(X)

(X) Not Applicable.

1/ For poverty data, use standard errors in column 2 only.

2/ Standard errors for age groups covering 11 to 14 years are obtained by interpolating between column (2) and column (3).

3/ For estimates larger than 50,000,000, multiply estimate by 0.007 to get the standard error.

Table B

Standard Errors of Estimated Percentages of Persons 1/
Age Groups Covering 15 or More Years 2/

Base of Estimated Percentage (thousands)	Estimated Percentage						
	1 or 99	2 or 98	5 or 95	10 or 90	20 or 80	35 or 65	50
500	1.2	1.7	2.7	3.7	4.9	5.9	6.2
1,000	0.9	1.2	1.9	2.6	3.5	4.2	4.4
2,500	0.6	0.8	1.2	1.7	2.2	2.6	2.8
5,000	0.4	0.5	0.9	1.2	1.6	1.9	2.0
10,000	0.3	0.4	0.6	0.8	1.1	1.3	1.4
25,000	0.2	0.2	0.4	0.5	0.7	0.8	0.9
50,000	0.12	0.2	0.3	0.4	0.5	0.6	0.6
75,000	0.10	0.14	0.2	0.3	0.4	0.5	0.5
100,000	0.09	0.12	0.2	0.3	0.4	0.4	0.4

- 1/ For estimated percentages for poverty data, this table of standard errors should be used.
- 2/ Standard errors of estimated percentages for age groups covering 11 to 14 years are obtained by interpolating between table B and table C.

Table C

Standard Errors of Estimated Percentages of Persons
Age Groups Covering 10 or Fewer Years 1/

Base of Estimated Percentage (thousands)	Estimated Percentage						
	1 or 99	2 or 98	5 or 95	10 or 90	20 or 80	35 or 65	50
500	0.7	1.0	1.5	2.1	2.8	3.4	3.5
1,000	0.5	0.7	1.1	1.6	2.1	2.5	2.6
2,500	0.3	0.5	0.7	1.0	1.3	1.6	1.7
5,000	0.2	0.3	0.5	0.7	0.9	1.1	1.2
10,000	0.2	0.2	0.4	0.5	0.7	0.8	0.8
25,000	0.10	0.15	0.2	0.3	0.4	0.5	0.5
35,000	0.09	0.12	0.2	0.3	0.4	0.4	0.4

Note: Use table B for standard errors of estimated percentages for poverty data.

- 1/ Standard errors of estimated percentages for age groups covering 11 to 14 years are obtained by interpolating between table B and table C.



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

Current Population Survey, September 1983

User Note No. 1

The attachments listed below showing 1980 census industry and occupation codes are to be added to your copy of the documentation. These codes are contained in word 63, character 2 through word 64, character 1 on the adult record.

Attachment 14 1980 Census of Population Industry Classification System

Attachment 15 1980 Census of Population Occupation Classification System

1980 CENSUS OF POPULATION
INDUSTRY CLASSIFICATION SYSTEM

(Numbers in parentheses are the 1972 SIC code equivalents 1/)

Census
Code

AGRICULTURE, FORESTRY, AND FISHERIES

010 (A)	Agricultural production, crops (01)
011	Agricultural production, livestock (02)
020	Agricultural services, except horticultural (07, except 078)
021	Horticultural services (078)
030	Forestry (08)
031	Fishing, hunting, and trapping (09)

MINING

040	Metal mining (10)
041	Coal mining (11, 12)
042	Crude petroleum and natural gas extraction (13)
050	Nonmetallic mining and quarrying, except fuel (14)

060 (B)	CONSTRUCTION (15, 16, 17)
---------	---------------------------

MANUFACTURING

Nondurable Goods

	Food and kindred products
100	Meat products (201)
101	Dairy products (202)
102	Canned and preserved fruits and vegetables (203)
110	Grain mill products (204)
111	Bakery products (205)
112	Sugar and confectionery products (206)
120	Beverage industries (208)
121	Miscellaneous food preparations and kindred products (207, 209)
122	Not specified food industries
130	Tobacco manufactures (21)
	Textile mill products
132	Knitting mills (225)
140	Dyeing and finishing textiles, except wool and knit goods (226)
141	Floor coverings, except hard surface (227)
142	Yarn, thread, and fabric mills (221-224, 228)
150	Miscellaneous textile mill products (229)

1/ See Executive Office of the President, Office of Management and Budget,
Standard Industrial Classification Manual, 1972 and the 1977 Supplement.

Census
Code

MANUFACTURING-Continued

Nondurable goods-Continued

	Apparel and other finished textile products
151	-- Apparel and accessories, except knit (231-238)
152	Miscellaneous fabricated textile products (239)
	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)
	Printing, publishing, and allied industries
171 (C)	Newspaper publishing and printing (271)
172	Printing, publishing, and allied industries, except newspapers (272-279)
	Chemicals and allied products
180	Plastics, synthetics, and resins (282)
181	Drugs (283)
182	Soaps and cosmetics (284)
190	Paints, varnishes, and related products (287)
191	Agricultural chemicals (287)
192	Industrial and miscellaneous chemicals (281, 286, 289)
	Petroleum and coal products
200	Petroleum refining (291)
201	Miscellaneous petroleum and coal products (295, 299)
	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)
	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)

Durable Goods

	Lumber and wood products, except furniture
230	Logging (241)
231	Sawmills, planing mills, and millwork (242, 243)
232	Wood buildings and mobile homes (245)
241	Miscellaneous wood products (244, 249)
242	Furniture and fixtures (25)
	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)
261	Pottery and related products (326)
262	Miscellaneous nonmetallic mineral and stone products (328, 329).
	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)

Census
Code

MANUFACTURING-Continued

Durable goods-Continued

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)
290	Screw machine products (345)
291	Metal forgings and stampings (346)
292	Ordnance (348)
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries
	Machinery, except electrical
310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
320	Metalworking machinery (354)
321	Office and accounting machines (357, except 3573)
322	Electronic computing equipment (3573)
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery
	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)
350	Not specified electrical machinery, equipment, and supplies
	Transportation equipment
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
370	Cycles and miscellaneous transportation equipment (375, 379)
	Professional and photographic equipment, and watches
371	Scientific and controlling instruments (381, 382)
372	Optical and health services supplies (383, 384, 385)
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
382	Not specified professional equipment
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 exc. 394)
392	Not specified manufacturing industries

TRANSPORTATION, COMMUNICATIONS, AND OTHER
PUBLIC UTILITIES

	Transportation
400	Railroads (40)
401	Bus service and urban transit (41, except 412)
402	Taxicab service (412)
410	Trucking service (421, 423)

Census
Code

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC
UTILITIES-Continued

<u>Transportation (continued)</u>	
411	Warehousing and storage (422)
412	U.S. Postal Service (43)
420	Water transportation (44)
421	Air transportation (45)
422	Pipe lines, except natural gas (46)
432	Services incidental to transportation (47)
<u>Communications</u>	
440	Radio and television broadcasting (483)
441	Telephone (wire and radio) (481)
442	Telegraph and miscellaneous communication services (482, 489)
<u>Utilities and sanitary services</u>	
460	Electric light and power (491)
461	Gas and steam supply systems (492, 496)
462	Electric and gas, and other combinations (493)
470	Water supply and irrigation (494, 497)
471	Sanitary services (495)
472	Not specified utilities

WHOLESALE TRADE

Durable Goods

500	Motor vehicles and equipment (501)
501	Furniture and home furnishings (502)
502	Lumber and construction materials (503)
510	Sporting goods, toys, and hobby goods (504)
511	Metals and minerals, except petroleum (505)
512	Electrical goods (506)
521	Hardware, plumbing and heating supplies (507)
522	Not specified electrical and hardware products
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)
532	Miscellaneous wholesale, durable goods (5094, 5099)

Nondurable Goods

540	Paper and paper products (511)
541	Drugs, chemicals and allied products (512, 516)
542	Apparel, fabrics, and notions (513)
550	Groceries and related products (514)
551	Farm products - raw materials (515)
552	Petroleum products (517)
560	Alcoholic beverages (518)
561	Farm supplies (5191)
562	Miscellaneous wholesale, nondurable goods (5194, 5198, 5199)
571	Not specified wholesale trade

Census
Code

RETAIL TRADE

580	Lumber and building material retailing (521, 523)
581	Hardware stores (525)
582	Retail nurseries and garden stores (526)
590	Mobile home dealers (527)
591 (D)	Department stores (531)
592	Variety stores (533)
600	Miscellaneous general merchandise stores (539)
601 (E)	Grocery stores (541)
602	Dairy products stores (545)
610	Retail bakeries (546)
611	Food stores, n.e.c. (542, 543, 544, 549)
612	Motor vehicle dealers (551, 552)
620	Auto and home supply stores (553)
621	Gasoline service stations (554)
622	Miscellaneous vehicle dealers (555, 556, 557, 559)
630	Apparel and accessory stores, except shoe (56, except 566)
631	Shoe stores (566)
632	Furniture and home furnishings stores (571)
640	Household appliances, TV, and radio stores (572, 573)
641 (F)	Eating and drinking places (58)
642	Drug stores (591)
650	Liquor stores (592)
651	Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652	Book and stationery stores (5942, 5943)
660	Jewelry stores (5944)
661	Sewing, needlework and piece goods stores (5949)
662	Mail order houses (5961)
670	Vending machine operators (5962)
671	Direct selling establishments (5963)
672	Fuel and ice dealers (598)
681	Retail florists (5992)
682	Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
691	Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

700 (G)	Banking (60)
701	Savings and loan associations (612)
702	Credit agencies, n.e.c. (61, except 612)
710	Security, commodity brokerage, and investment companies (62, 67)
711 (H)	Insurance (63, 64)
712	Real estate, including real estate-insurance-law offices (65, 66)

BUSINESS AND REPAIR SERVICES

721	Advertising (731)
722	Services to dwellings and other buildings (734)
730	Commercial research, development, and testing labs (7391, 7397)
731	Personnel supply services (736)
732	Business management and consulting services (7392)

Census
Code

BUSINESS AND REPAIR SERVICES (continued)

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)
750 Automotive services, except repair (751, 752, 754)
751 Automotive repair shops (753)
752 Electrical repair shops (762, 7694)
760 Miscellaneous repair services (763, 764, 7692, 7699)

PERSONAL SERVICES

761 (J) Private households (88)
762 Hotels and motels (701)
770 Lodging places, except hotels and motels (702, 703, 704)
771 Laundry, cleaning, and garment services (721)
772 Beauty shops (723)
780 Barber shops (724)
781 Funeral service and crematories (726)
782 Shoe repair shops (725)
790 Dressmaking shops (part 729)
791 Miscellaneous personal services (722, part 729)

ENTERTAINMENT AND RECREATION SERVICES

800 Theaters and motion pictures (78, 792)
801 Bowling alleys, billiard and pool parlors (793)
802 Miscellaneous entertainment and recreation services (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

812 Offices of physicians (801, 803)
820 Offices of dentists (802)
821 Offices of chiropractors (8041)
822 Offices of optometrists (8042)
830 Offices of health practitioners, n.e.c. (8049)
831 (K) Hospitals (806)
832 Nursing and personal care facilities (805)
840 Health services, n.e.c. (807, 808, 809)
841 Legal services (81)
842 (L) Elementary and secondary schools (821)
850 (M) Colleges and universities (822)
851 Business, trade, and vocational schools (824)
852 Libraries (823)
860 Educational services, n.e.c. (829)
861 Job training and vocational rehabilitation services (833)
862 Child day care services (835)
870 Residential care facilities, without nursing (836)
871 Social services, n.e.c. (832, 839)
872 Museums, art galleries, and zoos (84)

Census
Code

PROFESSIONAL AND RELATED SERVICES (continued)

880 Religious organizations (866)
881 Membership organizations (861-865, 869)
882 Engineering, architectural, and surveying services (891)
890 Accounting, auditing, and bookkeeping services (893)
891 Noncommercial educational and scientific research (892)
892 Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

900 Executive and legislative offices (911-913)
901 General government, n.e.c. (919)
910 Justice, public order, and safety (92)
921 Public finance, taxation, and monetary policy (93)
922 Administration of human resources programs (94)
930 Administration of environmental quality and housing program
931 Administration of economic programs (96)
932 National security and international affairs (97)

991 Member of the Armed Forces

Attachment 15

1980 CENSUS OF POPULATION
OCCUPATION CLASSIFICATION SYSTEM

(The numbers in parentheses refer to the 1980 Standard Occupational Classification code equivalents. Pt means part. N.e.c. means not elsewhere classified.)

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

1980
CODE

Executive, Administrative, and Managerial Occupations

003 Legislators (111)
004 Chief executives and general administrators, public administration (112)
005 Administrators and officials, public administration (1132-1139)
006 Administrators, protective services (1131)
007 Financial managers (122)
008 Personnel and labor relations managers (123)
009 Purchasing managers (124)
013 Managers, marketing, advertising, and public relations (125)
014 Administrators, education and related fields (128)
015 Managers, medicine and health (131)
016 Managers, properties and real estate (1353)
017 Postmasters and mail superintendents (1344)
018 Funeral directors (pt 1359)
019 Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344,
1353, pt 1359)

Management Related Occupations

023 Accountants and auditors (1412)
024 Underwriters (1414)
025 Other financial officers (1415, 1419)
026 Management analysts (142)
027 Personnel, training, and labor relations specialists (143)
028 Purchasing agents and buyers, farm products (1443)
029 Buyers, wholesale and retail trade except farm products (1442)
033 Purchasing agents and buyers, n.e.c. (1449)
034 Business and promotion agents (145)
035 Construction inspectors (1472)
036 Inspectors and compliance officers, exc. construction (1473)
037 Management related occupations, n.e.c. (149)

Professional Specialty Occupations

Engineers, Architects, and Surveyors

043 Architects (161)
044 Engineers
Aerospace (1622)

Engineers, Architects, and Surveyors (continued)

- 045 Engineers (continued)
- 045 Metallurgical and materials (1623)
- 046 Mining (1624)
- 047 Petroleum (1625)
- 048 Chemical (1626)
- 049 Nuclear (1627)
- 053 Civil (1628)
- 054 Agricultural (1632)
- 055 Electrical and electronic (1633, 1636)
- 056 Industrial (1634)
- 057 Mechanical (1635)
- 058 Marine and naval architects (1637)
- 059 Engineers, n.e.c. (1639)
- 063 Surveyors and mapping scientists (164)
- Mathematical and Computer Scientists
- 064 Computer systems analysts and scientists (171)
- 065 Operations and systems researchers and analysts (172)
- 066 Actuaries (1732)
- 067 Statisticians (1733)
- 068 Mathematical scientists, n.e.c. (1739)
- Natural Scientists
- 069 Physicists and astronomers (1842, 1843)
- 073 Chemists, except biochemists (1845)
- 074 Atmospheric and space scientists (1846)
- 075 Geologists and geodesists (1847)
- 076 Physical scientists, n.e.c. (1849)
- 077 Agricultural and food scientists (1853)
- 078 Biological and life scientists (1854)
- 079 Forestry and conservation scientists (1852)
- 083 Medical scientists (1855)
- Health Diagnosing Occupations
- 084 Physicians (261)
- 085 Dentists (262)
- 086 Veterinarians (27)
- 087 Optometrists (281)
- 088 Podiatrists (283)
- 089 Health diagnosing practitioners, n.e.c. (289)
- Health Assessment and Treating Occupations
- 095 Registered nurses (29)
- 096 Pharmacists (301)
- 097 Dietitians (302)
- Therapists
- 098 Inhalation therapists (3031)
- 099 Occupational therapists (3032)
- 103 Physical therapists (3033)
- 104 Speech therapists (3034)
- 105 Therapists, n.e.c. (3039)
- 106 Physicians' assistants (304)

- 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)
 - 119 Economics teachers (2218)
 - 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)
 - 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)
 - 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)
 - 153 Teachers, postsecondary, n.e.c. (2249)
 - 154 Postsecondary teachers, subject not specified
- Teachers, Except Postsecondary
- 155 Teachers, prekindergarten and kindergarten (231)
 - N(156) Teachers, elementary school (232)
 - P(157) Teachers, secondary school (233)
 - 158 Teachers, special education (235)
 - 159 Teachers, n.e.c. (236, 239)
- 163 Counselors, educational and vocational (24)
- Librarians, Archivists, and Curators
- 164 Librarians (251)
 - 165 Archivists and curators (252)
- Social Scientists and Urban Planners
- 166 Economists (1912)
 - 167 Psychologists (1915)
 - 168 Sociologists (1916)
 - 169 Social scientists, n.e.c. (1913, 1914, 1919)
 - 173 Urban planners (192)
- Social, Recreation, and Religious Workers
- 174 Social workers (2032)
 - 175 Recreation workers (2033)
 - 176 Clergy (2042)
 - 177 Religious workers, n.e.c. (2049)

- 178 Lawyers and Judges
- Lawyers (211)
- 179 Judges (212)

- 183 Writers, Artists, Entertainers, and Athletes
- 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 artist printmakers (325)
- 189 Photographers (326)
- 193 Dancers (327)
- 194 Artists, performers, and related workers, n.e.c. (328, 329)
- 195 Editors and reporters (331)
- 197 Public relations specialists (332)
- 198 Announcers (333)
- 199 Athletes (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations 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)

Technologists and Technicians, Except Health

- 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)

Science Technicians

- 223 Biological technicians (382)
- 224 Chemical technicians (3831)
- 225 Science technicians, n.e.c. (3832, 3833, 384, 389)

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)
- 233 Tool programmers, numerical control (3974)
- 234 Legal assistants (396)
- 235 Technicians, n.e.c. (399)

- 243 Sales Occupations
 - Supervisors and proprietors, sales occupations (40)
 - 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)
 - Sales Representatives, Commodities Except Retail
 - 258 Sales engineers (421)
 - 259 Sales representatives, mining, manufacturing, and wholesale (423, 424)
 - 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)
 - 274 Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
 - 275 Sales counter clerks (4363)
 - Q(276) Cashiers (4364)
 - 277 Street and door-to-door sales workers (4366)
 - 278 News vendors (4365)
 - Sales Related Occupations
 - 283 Demonstrators, promoters and models, sales (445)
 - 284 Auctioneers (447)
 - 285 Sales support occupations, n.e.c. (444, 446, 449)
 - Administrative Support Occupations, Including Clerical
 - Supervisors, Administrative Support Occupations
 - 303 Supervisors, general office (4511, 4513, 4514, 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)
 - Computer Equipment Operators
 - 308 Computer operators (4612)
 - 309 Peripheral equipment operators (4613)
 - Secretaries, Stenographers, and Typists
 - R(313) Secretaries (4622)
 - 314 Stenographers (4623)
 - 315 Typists (4624)
 - Information Clerks
 - 316 Interviewers (4642)
 - 317 Hotel clerks (4643)
 - 318 Transportation ticket and reservation agents (4644)
 - 319 Receptionists (4645)
 - 323 Information clerks, n.e.c. (4649)

- Records Processing Occupations, Except Financial
 - 325 Classified-ad clerks (4662)
 - 326 Correspondence clerks (4663)
 - 327 Order clerks (4664)
 - 328 Personnel clerks, except payroll and timekeeping (4692)
 - 329 Library clerks (4694)
 - 335 File clerks (4696)
 - 336 -Records clerks (4699)
- Financial Records Processing Occupations
 - S(337) Bookkeepers, accounting, and auditing clerks (4712)
 - 338 Payroll and timekeeping clerks (4713)
 - 339 Billing clerks (4715)
 - 343 Cost and rate clerks (4716)
 - 344 Billing, posting, and calculating machine operators (4718)
- Duplicating, Mail and Other Office Machine Operators
 - 345 Duplicating machine operators (4722)
 - 346 Mail preparing and paper handling machine operators (4723)
 - 347 Office machine operators, n.e.c. (4729)
- Communications Equipment Operators
 - 348 Telephone operators (4732)
 - 349 Telegraphers (4733)
 - 353 Communications equipment operators, n.e.c. (4739)
- 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)
- Material Recording, Scheduling, and Distributing Clerks
 - 359 Dispatchers (4751)
 - 363 Production coordinators (4752)
 - 364 Traffic, shipping, and receiving clerks (4753)
 - 365 Stock and inventory clerks (4754)
 - 366 Meter readers (4755)
 - 368 Weighers, measurers, and checkers (4756)
 - 369 Samplers (4757)
 - 373 Expeditors (4758)
 - 374 Material recording, scheduling, and distributing clerks, n.e.c. (4759)
- 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)
- Miscellaneous Administrative Support Occupations
 - 379 General office clerks (463)
 - 383 Bank tellers (4791)
 - 384 Proofreaders (4792)
 - 385 Data-entry keyers (4793)
 - 386 Statistical clerks (4794)
 - 387 Teachers' aides (4795)
 - 389 Administrative support occupations, n.e.c. (4787, 4799)

SERVICE OCCUPATIONS

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)
- T(407) Private household cleaners and servants (502, 507, 509)

Protective Service Occupations

- Supervisors, Protective Service Occupations
- 413 Supervisors, firefighting and fire prevention occupations (5111)
- 414 Supervisors, police and detectives (5112)
- 415 Supervisors, guards (5113)
- Firefighting and Fire Prevention Occupations
- 416 Fire inspection and fire prevention occupations (5122)
- 417 Firefighting occupations (5123)
- Police and Detectives
- 418 Police and detectives, public service (5132)
- 423 Sheriffs bailiffs, and other law enforcement officers (5134)
- 424 Correctional institution officers (5133)
- Guards
- 425 Crossing guards (5142)
- 426 Guards and police, exc. public service (5144)
- 427 Protective service occupations, n.e.c. (5149)

Service Occupations, Except Protective and Household

Food Preparation and Service Occupations

- 433 Supervisors, food preparation and service occupations (5211)
- 434 Bartenders (5212)
- U(435) Waiters and waitresses (5213)
- 436 Cooks, except short order (5214)
- 437 Short-order cooks (5215)
- 438 Food counter, fountain and related occupations (5216)
- 439 Kitchen workers, food preparation (5217)
- 443 Waiters'/waitresses' assistants (5218)
- 444 Miscellaneous food preparation occupations (5219)

Health Service Occupations

- 445 Dental assistants (5232)
- 446 Health aides, except nursing (5233)
- 447 Nursing aides, orderlies, and attendants (5236)

Cleaning and Building Service Occupations, except Household

- 448 Supervisors, cleaning and building service workers (5241)
- 449 Maids and housemen (5242, 5249)
- V(453) Janitors and cleaners (5244)
- 454 Elevator operators (5245)
- 455 Pest control occupations (5246)

Personal Service Occupations

- 456 Supervisors, personal service occupations (5251)
- 457 Barbers (5252)
- 458 Hairdressers and cosmetologists (5253)

Personal Service Occupations (continued)

- 459 Attendants, amusement and recreation facilities (5254)
- 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)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

Farm Operators and Managers

- W(473) Farmers, except horticultural (5512-5514)
- 474 Horticultural specialty farmers (5515)
- 475 Managers, farms, except horticultural (5522-5524)
- 476 Managers, horticultural specialty farms (5525)

Other Agricultural and Related Occupations

Farm Occupations, Except Managerial

- 477 Supervisors, farm workers (5611)
- 479 Farm workers (5612-5617)
- 483 Marine life cultivation workers (5618)
- 484 Nursery workers (5619)

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)

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)

Fishers, Hunters, and Trappers

- 497 Captains and other officers, fishing vessels (pt 8241)
- 498 Fishers (583)
- 499 Hunters and trappers (584)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

Mechanics and Repairers

- 503 Supervisors, mechanics and repairers (60)
- Mechanics and Repairers, Except Supervisors
- Vehicle and Mobile Equipment Mechanics and Repairers
- X(505) Automobile mechanics (pt 6111)
- 506 Automobile mechanic apprentices (pt 6111)
- 507 Bus, truck, and stationary engine mechanics (6112)
- 508 Aircraft engine mechanics (6113)
- 509 Small engine repairers (6114)
- 514 Automobile body and related repairers (6115)
- 515 Aircraft mechanics, exc. engine (6116)
- 516 Heavy equipment mechanics (6117)
- 517 Farm equipment mechanics (6118)

Mechanics and Repairers Except Supervisors (continued)

- 518 Industrial machinery repairers (613)
- 519 Machinery maintenance occupations (614)
- Electrical and Electronic Equipment Repairers
- 523 Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
- 525 - Data processing equipment repairers (6154)
- 526 Household appliance and power tool repairers (6156)
- 527 Telephone line installers and repairers (6157)
- 529 Telephone installers and repairers (6158)
- 533 Miscellaneous electrical and electronic equipment repairers (6152, 6159)
- 534 Heating, air conditioning, and refrigeration mechanics (6161)
- Miscellaneous Mechanics and Repairers
- 535 Camera, watch, and musical instrument repairers (6171, 6172)
- 536 Locksmiths and safe repairers (6173)
- 538 Office machine repairers (6174)
- 539 Mechanical controls and valve repairers (6175)
- 543 Elevator installers and repairers (6176)
- 544 Millwrights (6178)
- 547 Specified mechanics and repairers, n.e.c. (6177, 6179)
- 549 Not specified mechanics and repairers

Construction Trades

- 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 (6314)
- 556 Supervisors; painters, paperhangers, and plasterers (6315)
- 557 Supervisors; plumbers, pipefitters, and steamfitters (6316)
- 558 Supervisors, n.e.c. (6311, 6318)
- 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)
- Y(567) Carpenters (pt 6422)
- 569 Carpenter apprentices (pt 6422)
- 573 Drywall installers (6424)
- 575 Electricians (pt 6432)
- 576 11 Electrician apprentices (pt 6432)
- 577 Electrical power installers and repairers (6433)
- 579 Painters, construction and maintenance (6442)
- 583 Paperhangers (6443)
- 584 Plasterers (6444)
- 585 Plumbers, pipefitters, and steamfitters (pt 645)
- 587 Plumber, pipefitter, and steamfitter apprentices (pt 645)
- 588 Concrete and terrazzo finishers (6463)
- 589 Glaziers (6464)
- 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)

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)

Precision Production Occupations

- 633 Supervisors, production occupations (67, 71)
- 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)
 - 639 Machinist apprentices (pt 6813)
 - 643 Boilermakers (6814)
 - 644 Precision grinders, filers, and tool sharpeners (6816)
 - 645 Patternmakers and model makers, metal (6817)
 - 646 Lay-out workers (6821)
 - 647 Precious stones and metals workers (Jewelers) (6822, 6866)
 - 649 Engravers, metal (6823)
 - 653 Sheet metal workers (pt 6824)
 - 654 Sheet metal worker apprentices (pt 6824)
 - 655 Miscellaneous precision metal workers (6829)
- Precision Woodworking Occupations
 - 656 Patternmakers and model makers, wood (6831)
 - 657 Cabinet makers and bench carpenters (6832)
 - 658 Furniture and wood finishers (6835)
 - 659 Miscellaneous precision woodworkers (6839)
- Precision Textile, Apparel, and Furnishings Machine Workers
 - 666 Dressmakers (pt 6852, pt 7752)
 - 667 Tailors (pt 6852)
 - 668 Upholsterers (6853)
 - 669 Shoe repairers (6854)
 - 673 Apparel and fabric patternmakers (6856)
 - 674 Miscellaneous precision apparel and fabric workers (6859, pt 7752)
- Precision Workers, Assorted Materials
 - 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)
 - 683 Electrical and electronic equipment assemblers (6867)
 - 684 Miscellaneous precision workers, n.e.c. (6869)
- Precision Food Production Occupations
 - 686 Butchers and meat cutters (6871)
 - 687 Bakers (6872)
 - 688 Food batchmakers (6873, 6879)
- Precision Inspectors, Testers, and Related Workers
 - 689 Inspectors, testers, and graders (6881, 828)
 - 693 Adjusters and calibrators (6882)
- Plant and System Operators

694	Water and sewage treatment plant operators (691)
695	Power plant operators (pt 693)
696	Stationary engineers (pt 693, 7668)
699	Miscellaneous plant and system operators (692, 694, 695, 696)

OPERATORS, FABRICATORS, AND LABORERS

	Machine Operators, Assemblers, and Inspectors
	Machine Operators and Tenders, except Precision
	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)
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717	Fabricating machine operators, n.e.c. (7339, 7539)
	Metal and Plastic Processing Machine Operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
	Woodworking Machine Operators
726	Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nailing and tacking machine operators (7636)
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
	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)
	Textile, Apparel, and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745	Shoe machine operators (7656)
747	Pressing machine operators (7657)
748	Laundering and dry cleaning machine operators (6855, 7658)
749	Miscellaneous textile machine operators (7459, 7659)
	Machine Operators, Assorted Materials
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (7462, 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 (7467, 7667)
- 759 Painting and paint spraying machine operators (7669)

- Machine Operators, Assorted Materials (continued)
- 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)
- 768 Crushing and grinding machine operators (pt 7477, pt 7677)
- 769 Slicing and cutting machine operators (7478, 7678)
- 773 Motion picture projectionists (pt 7479)
- 774 Photographic process machine operators (6863, 6868, 7671)
- 777 Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
- 779 Machine operators, not specified

- 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)
- 789 Hand painting, coating, and decorating occupations (7756)
- 793 Hand engraving and printing occupations (7757)
- 794 Hand grinding and polishing occupations (7758)
- 795 Miscellaneous hand working occupations (7759)
- 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)

- Transportation and Material Moving Occupations
- Motor Vehicle Operators
- 803 Supervisors, motor vehicle operators (8111)
- Z(804) Truck drivers, heavy (8212, 8213)
- 805 Truck drivers, light (8214)
- 806 Driver-sales workers (8218)
- 808 Bus drivers (8215)
- 809 Taxicab drivers and chauffeurs (8216)
- 813 Parking lot attendants (874)
- 814 Motor transportation occupations, n.e.c. (8219)
- Transportation Occupations, Except Motor Vehicles
- 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)
- Water Transportation Occupations
- 828 Ship captains and mates, except fishing boats (pt 8241, 8242)