

MAY 22, 1990
N. MCGOVERN

RECORD GROUP 029
ACCESSION NUMBER: 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 DATASET. THIS MANUAL
COMPARISON IS REFERRED TO AS "PRELIMINARY ASSESSMENT" OR "VALIDATION."
THE NUMBER OF RECORDS WHICH WERE COMPARED VARIED FROM DATASET TO DATASET.
HOWEVER, AS A GENERAL RULE THE COMPARISON INVOLVED LESS THAN TEN RECORDS
AND WAS LIMITED TO RECORDS AT THE BEGINNING AND END OF EACH DATASET. THIS
IS A STATEMENT OF THE RESULTS OF THE PRELIMINARY ASSESSMENT OR VALIDATION FOR:

TITLE:

CURRENT POPULATION SURVEY (CPS), JUNE 1983

NO DISCREPANCIES BETWEEN THE DOCUMENTATION AND A SAMPLE DUMP OF THE
DATA WERE NOTED DURING HAND VALIDATION.

CURRENT POPULATION SURVEY, JUNE 1983:
FERTILITY AND BIRTH EXPECTATIONS

TECHNICAL DOCUMENTATION

Washington, D.C.

1984

U.S. DEPARTMENT OF COMMERCE

Malcolm Baldrige, Secretary
Clarence J. Brown, Deputy Secretary
Sidney L. Jones, Under Secretary for Economic Affairs

BUREAU OF THE CENSUS

John G. Keane, Director
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ACKNOWLEDGMENTS

This documentation was prepared within the Data Access and Use Staff, under the direction of James P. Curry, Chief, and Barbara J. Aldrich, Chief of its Technical Information Section. Annette J. Ralston was the coordinator for this file assisted by Mary G. Thomas. The documentation was compiled from materials prepared by Demographic Surveys Division.

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The file should be cited as follows:

Current Population Survey, June 1983: Fertility and Birth Expectations [machine-readable data file] / prepared by the Bureau of the Census. --Washington: The Bureau [producer and distributor], 1984.

The technical documentation should be cited as follows:

Current Population Survey, June 1983: Fertility and Birth Expectations Technical Documentation / prepared by the Data User Services Division, Data Access and Use Staff, Bureau of the Census. --Washington: The Bureau, 1984.

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- For additional information concerning the tape, contact Data User Services Division, Customer Services (Tapes), Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-4100.
- For additional information concerning the technical documentation, contact Data User Services Division, Data Access and Use Staff, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-2074.
- For additional information concerning the subject matter of the file, contact Demographic Surveys Division, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-2773.

Current Population Survey, June 1983:
Fertility and Birth Expectations

The documentation consists of the following materials:

Abstract

Overview--Current Population Survey

Note To Users

Glossary

Adult Interview Record Layout

Children's Interview Record Layout

Noninterview Type A Record Layout

Noninterview Type B-C Record Layout

Unweighted and Weighted Counts

Source and Reliability of Estimates

New Occupation, Industry Codes in Current
Population Survey

Questionnaire Facsimile

ABSTRACT

Current Population Survey, June 1983:
Fertility and Birth Expectations [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:

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

Additional questions were asked of women 15-59 years of age to obtain information on their childbearing and future birth expectations. Data for women 15-59 years of age include the total number of children born, date of birth of the first and the most recent child, and date of first marriage. Women 18-44 years of age also were asked the number of additional children they expect to have.

GEOGRAPHIC COVERAGE:

All States and 44 SMSA's are identified and ranked by population size (1970). Central city/noncentral city indicators are provided for records in 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: 168,015 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, June 1983: Fertility and Birth Expectations Technical Documentation." Documentation contains this abstract, a questionnaire facsimile, a glossary, record layouts, and additional information pertaining to 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:

Current Population Reports. "Fertility of American Women: June 1983," (Advance Report). Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. C3.186:P20/386. Price: \$1.

Bureau of Labor Statistics. Employment and Earnings, July 1983. The employment information in Section A of this publication is derived from the Current Population Survey, June 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 Customer Services order form on the following page. It is available on 3 reels at 1600 bpi for \$420 and on 1 reel at 6250 bpi for \$140.

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.

NOTE TO USERS

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

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

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 (adult record layout) 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
48	Number of positions allocated for data
+ 1	Character position within designated word
49	Location of data for word 9, character 1

To determine the location of data reflecting the reason a respondent works less than 35 hours a week (word 9, 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.

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

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.

CURRENT POPULATION SURVEY
ADULT INTERVIEW RECORD LAYOUT

FOR STANDARD TAPE COPIES
(Beginning January 1983)

Page 1

Word	Char.	Characteristic	Universe	Description
1	1	Record type	All	Interview
2	2	Month in Sample (Recorded from Month and Rotation)	All	1-8
	3	Blank		
	4-6	Household ID Number	All	
	1-5			
3	1-3			
	4	Region (From M.S.T.)	All	1 Northeast 2 North Central 3 South 4 West

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

-more-

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

-more-

Attachment A

Page 3

Word	Char.	Characteristic	Universe	Description	
3	5-6	State (1st digit of State Code is Division Code) (From H.S.T.) (Cont)	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

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Attachment A

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Word	Chr.	Characteristic	Universe	Description	
3	5-6	State (1st digit of State Code is Division Code) (From H.S.T.) (Con't)	All	<u>West South Central Division</u>	71 72 73 74
				Arkansas	
				Louisiana	
				Oklahoma	
				Texas	
				<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

-more-

Word	Char.	Characteristic	Universe	Description	1970 Ranking
4	1-2	State Rankings (From M.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

Attachment A

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Word	Char.	Characteristic	Universe	Description	
h	1-2	State Rankings (Con't.) (From H.S.T.)	All	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

-more-

Word	Char.	Characteristic	Universe	SMSA's	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-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

Word	Char.	Characteristic	Universe	Description	
4	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		<u>Item 1</u> - INTERVIEWER CHECK ITEM	All	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			

Word	Char.	Characteristic	Universe	Description
5	1-3	Blank		
1-6		<u>Item 10</u> - INTERVIEWER CODE	All	Blank or Impossible in any digit
6	1	<u>Item 12</u> - LINE NO. H'ULD RESP.	All	Blank or Impossible
	2	<u>Item 13</u> - TYPE INTERVIEW	All	Non H'uld Resp.
				Blank
				Personal
				Tel. - Regular
				Tel. - Callback
				ICR Filled
3-4		<u>Item 11</u> - DATE COMPLETED	All	Day of Month
5-6		PADDING		-- or 10-29

Word	Char.	Characteristic	Universe	Description	
7	1	Item 20 - Did...do any work at all LAST WEEK?	All	Blank or Impossible Yes No	- 1 2
	2	Item 20B - INTERVIEWER CHECK	All	Blank or Impossible 49+ hours 1-34 hours 35-48 hours	- 1 2 3
	3	Item 21 - Did...have a job or business from which he was temporarily absent or on layoff LAST WEEK?	All	Blank or Impossible Yes No	- 1 2
	4	Item 22 - Has...been looking for work during the past 4 weeks?	All	Blank or Impossible Yes No	- 1 2
	5	Item 24 - INTERVIEWER CHECK ITEM	All	Blank or Impossible Unit is in continuing rotation Unit is in departing rotation	- 1 2
	6	Blank			

Word	Char.	Characteristic	Universe	Description	
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.	All	Nonfarm Farm \geq 10 acres Farm $<$ 10 acres	1 2 3
2-3		Item 4 - TYPE OF LIVING QUARTERS (Recode)	All	<u>Housing Unit</u> House, apt., flat HU in nontransient hotel, etc. HU, permanent, in trans. hotel, motel, etc. HU in rooming house Mobile home or Trailer HU not specified above <u>Other Unit</u> Qtrs. not HU in rooming or boarding house: Unit not permanent in trans. hotel, motel, etc. Tent or trailer site Other not HU	01 02 03 04 05 06 07 08 09 10
4		'New' Farm Definition (Recode) Effective February 1976. (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document Items 5a. and 5b.)	All	Nonfarm Farm \geq 10 acres Farm $<$ 10 acres	1 2 3

Attachment A

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Word	Chr.	Characteristic	Universe	Description
0	5	Blank		
6		Item 2 - HOUSEHOLD NUMBER	All	1-n
9	1	Item 19 (Recode) - What was...doing most of LAST WEEK (Major Activity)?	All	1 Working 2 With a job 3 Looking 4 Home 5 School 6 Unable 7 Other (Incl. Retired)
2-3		Item 20A - How many hours did...work LAST WEEK at all jobs?	ESR 1	01-99 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	1 Yes 2 No
5-6		Item 20C - Reason less than 35 hours a week (Recoded)	ESR 1 & Item 20A less than 35 hours	01 Slack work 02 Material shortage 03 Plant or machine repair 04 New job started during week 05 Job terminated during week 06 Could find only part-time work 07 Holiday (Legal or Religious) 08 Labor dispute 09 Bad weather 10 Own illness 11 On vacation 12 Too busy with house, school, etc. 13 Did not want full-time work 14 Full-time work week under 35 hours 15 Other reason

-BGR0-

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Attachment A

Page 13

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 New job to begin within 30 days Temporary layoff (under 30 days) Indefinite layoff (30 days or more or no definite recall date) Other Yes No Self employed Yes No	1 2 3 4 5 6 7 8 1 2 3 1 2
			ESR 3		
			ESR 2		
2		Item 21B - Is...getting wages or salary for any of the time off LAST WEEK?	ESR 2		1 2 3
3		Item 21C - Does...usually work 35 hours or more a week at this job?	ESR 2		1 2
		Item 22A - What has...been doing in the last 4 weeks to find work?			
		Methods used - through word 11:4. Multiple entries are possible.			
4		Checked with public employment agency.	ESR 3	Blank Entry	1
5		Checked with private employment agency.	ESR 3	Blank Entry	1

-more-

Attachment A

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Word	Chr.	Characteristic	Universe	Description
<u>Item 22A - Methods (Con't)</u>				
10	6	Checked with employer directly.	ESR 3	Blank Entry - 1
11	1	Checked with friends or relatives.	ESR 3	Blank Entry - 1
	2	Placed or answered ads.	ESR 3	Blank Entry - 1
	3	Nothing	ESR 4-7	Blank Entry - 1
	4	Other	ESR 3	Blank Entry - 1
	5	<u>Item 22B - Why did...start looking for work?</u>	ESR 3 Except Layoff in Item 21A, coden 6 & 7	Lost job 1 Quit job 2 Left school 3 Wanted temporary work 4 Other 5
	6	<u>Item 22C - Weeks unemployed (New job starting in 30 days, weeks laid off, or weeks looking for work)</u>	ESR 3	Number of Weeks 00-99
12	i			
	2	<u>Item 22D - Has...been looking for full-time or part-time work?</u>	ESR 3	Full 1 Part 2

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Attachment A

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Word	Char.	Characteristic	Universe	Description	
12	3	Item 22E - Digit 1 - Is there any reason why...could not take a job LAST WEEK?	ESR 3	Yes No	1 2
4		Item 22E - Digit 2 - Is there any reason why...could not take a job LAST WEEK?	ESR 3 & Yes in Digit 1	Already had a job Temporary illness	1 2
5		Item 22E - When did...last work at a full-time job or business lasting 2 consecutive weeks or more? (Recorded)	ESR 4-7	{ Going to school Other	3 4
5		Item 22E - When did...last work at a full-time job or business lasting 2 consecutive weeks or more? (Recorded)	ESR 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
6		Item 24A - When did...last work for pay at a regular job or business, either full- or part-time?	ESR 4-7 and Month in Sample is 4 or 8 (Departing rotations)	Within past 12 months 1 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-

Word	Char.	Characteristic	Universe	Description	
13	1	Item 24B - Why did...leave that job?	ESR 4-7 and 1-5 in Item 24A	Personal, family or school health	1
				Retirement or old age	2
				Seasonal job completed	3
				Slack work or business conditions	4
				Temporary nonseasonal job completed	5
				Unsatisfactory work arrangements	6
				Other	7
					8
2		Item 24C - Does...want a regular job now, either full- or part-time?	ESR 4-7 and Month in Sample is 4 or 8 (Departing rotations)	Yes	1
				Maybe, it depends	2
				No	3
				Don't know	4
		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 24C is 1 or 2	Blank Entry	1
4		Couldn't find any work	Item 24C is 1 or 2	Blank Entry	1
5		Lacks necessary schooling, training, skills or experience	Item 24C is 1 or 2	Blank Entry	1
6		Employers think too young or too old	Item 24C is 1 or 2	Blank Entry	1

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Attachment A

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Word	Char.	Characteristic	Universe	Description
14	1	Item 24D - Reasons (Cont'd) Other personal <u>handicap</u> in finding job	Item 24C is 1 or 2	Blank Entry
2	2	Can't arrange <u>child care</u>	Item 24C is 1 or 2	Blank Entry
3	3	<u>Family</u> responsibilities	Item 24C is 1 or 2	Blank Entry
4	4	<u>In school</u> or other training	Item 24C is 1 or 2	Blank Entry
5	5	<u>Ill health, physical</u> disability	Item 24C is 1 or 2	Blank Entry
6	6	Other	Item 24C is 1 or 2	Blank Entry
15	1	Don't know	Item 24C is 1 or 2	Blank Entry
2	2	Item 24E - Does...intend to look for work of any kind in the next 12 months?	ESR 4-7 and Month in Sample is 4 or 8 (Departing rotations)	Yes It depends No Don't know

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Attachment A

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Word	Char.	Characteristic	Universe	Description	
15	3	Item 23E - Class of worker (Edited and Recoded)	a) ESR 1 or 2 b) ESR 3 c) ESR 4-7, Month in Sample 1a 4 or 6 & Item 24A 4a 1-5.	Private Government Self employed Without pay Never worked or Never worked Full-Time	1 2 3 4 5
16	1-3	BLANK			
1-5		Item 18A - LINE NUMBER	All		01-39
6		Item 16B - RELATIONSHIP TO HEAD OF HOUSEHOLD (Recode from Relationship To Reference Person)	All	Head with other relatives (incl. wife) in household Head with no other relatives in household Wife of head Other relative of head Nonrelative of head with own relatives (incl. wife) in household Nonrelative of head with no own relatives in household	1 2 3 4 5 6

Word	Char.	Characteristic	Universe	Description	
17	1-2	Item 18C - AGE	All		14-99
	3	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	1 2 3 4 5
	4	Item 18H - 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	
18	1-2	Item 18E - HIGHEST GRADE (OF SCHOOL) ATTENDED	All	Mono E1 E2 E3 E4 E5 E6 E7 E8 E9 H1 H2 H3 H4 C1 C2 C3 C4 C5 C6+	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19
3		Item 18G - GRADE COMPLETED	All	Yes No	1 2
4		PADDING			
5		Blank			
6		PADDING			

Word	Char.	Characteristic	Unlvergo	Description	
19	1	ESR - Employment Status Record (Last Work)	All	Employed Unemployed	1 2 3
				Working With job, not at work	4 5 6 7
				Looking	
				Not in Labor Force	
				Home School Unable Other (Included Noted)	
2		PADUHO			
3		Indicator for principal person of household	All 1/	No Yes	0 1
4-6		Document Count (Within Work Unit)	All		pp1-999
20	1-3	Work Unit Number (From Breaker Sheet)	All		001 or 001-999 911 Assigned
	4-5	Month	All		01-12
	6	Year - Last Digit	All		0-9
21 & 22	All	Final Weight	All		Two Unrelated Decimal Places. (might justified, space fill -01)

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

-more-

Next page is 23.

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

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

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

-more-

Attachment A

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Word	Char.	Characteristic	Universe	Description	
28	2	Race-Sex Recode	All	Male white	1
				Female white	2
				Male other	3
				Female other	4
3		Agri. Wage and Salary	All	Not in Universe	0
				In Universe	1
4		Labor Force status	All	Civilian Labor Force	3
				Not in Labor Force	4
5		Full time or Part time status	All	Not in Labor Force	0
				Employed full time	1
				Part time for economic reasons	2
				Unemployed full time	3
				Employed part time	4
				Unemployed part time	5
6		Experienced Labor Force Employment Status	All	Not in experienced Labor Force	0
				Employed	1
				Unemployed	2
29	1	Household relationship	All	Male head, living with relatives	1
				Male head, living without relatives	2
				Male relative of head	3
				Male nonrelative of head	4
				Female head, living with relatives	5
				Female head, living without relatives	6
				Wife of head	7
				Female relative of head	8
				Female nonrelative of head	9

047

Attachment A

Page 27

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

-more-

Attachment A

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Word	Char.	Characteristic	Universe	Description	
29	6	Civilian Labor Force	All	Not in Universe In Universe	0 1
30	1	Unemployed	All	Not in Universe In Universe	0 1
	2	Unemployed 15 weeks, or more	All	Not in Universe In Universe	0 1
	3	Other NIIF	All	Not in Universe In Universe	0 1
	4	Full Time Labor Force	All	Not in Universe In Universe	0 1
	5	Looking for full time work	All	Not in Universe In Universe	0 1
	6	Wage and salary worker	All	Not in Universe In Universe	0 1
31	1	Employed persons	All	Not in Universe In Universe	0 1
	2	Employed persons (Excluding farm worker & Private H'ld Workers)	All	Not in Universe In Universe	0 1
	3	Experienced Labor Force	All	Not in Universe In Universe	0 1
	4	Full time experienced Labor Force	All	Not in Universe In Universe	0 1

-more-

Attachment A

Page 29

Word	Char.	Characteristic	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-

Attachment A

Page 30

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

-more-

Attachment A

Page 31

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

Attachment A

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

-more-

Attachment A

Page 33

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

1/ Starting with January, 1983, "postal" workers were moved from "Public Administration" and placed under "Transportation", "Railroads and railway express" were included with "Other transportation"

2/ Starting in January, 1983, "Public Administration" includes the category "Armed Forces" which is restricted to unemployed persons who reported one of the military services as being their last job.

1/ 2/

-MORO-

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Attachment A

Word	Char. , Characteristic	Universe	Description
37	1-2	BLANK	

Page 34

3-4	Class of worker Employed-Unemployed	Civ. Labor Force	C/M Private Government (Federal, Local, and State) Self-employed Unpaid family Member Worked	EMP 01 02 03 04	UNEMP 05 06 07 08 00
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-more-

Attachment A

Page 35

Word	Char.	Characteristic	Universe	Description
37	5-6	Major Industry (I)	Civ. Labor Force	<p>Agriculture, Private Household workers & Never worked 00</p> <p>Mining 01</p> <p>Construction 02</p> <p>Manufacturing</p> <p>Durable goods 03</p> <p>Nondurable goods 04</p> <p>Transportation and public utilities</p> <p>Postal 05</p> <p>Other transportation 06</p> <p>Other utilities 07</p> <p>Wholesale and retail trade</p> <p>Wholesale trade 08</p> <p>Retail trade 09</p> <p>Finance, insurance, and real estate 10</p> <p>Miscellaneous services</p> <p>Business and repair 11</p> <p>Personal, except private household 12</p> <p>Entertainment and recreation 13</p> <p>Medical, except hospitals 14</p> <p>Hospitals 15</p> <p>Welfare and religious 16</p> <p>Education 17</p> <p>Other professional services 18</p> <p>Forestry and fisheries 19</p> <p>Public administration 20</p>

1/ 2/ See page 33

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Attachment A

Page 36

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

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

-more-

Attachment A

Page 37

Word	Char.	Characteristic	Universe	Description	
38	1-2	Detailed Industry (Con't)	Civ. Labor Force	Service-producing industries	
				Transportation and public utilities	
				Postal	28
				Other transportation	29
				Communications	30
				Other public utilities	31
				Trade	
				Wholesale	32
				Retail	
				Eating and drinking places	33
				Other retail	34
				Finance, insurance, and real estate	
				Banking and other finance	35
				Insurance and real estate	36
				Private household service	37
				Miscellaneous services	
				Business and repair	
				Business	38
				Repair	39
				Personal services, except private household	40
				Entertainment and recreation	41
				Professional services	
				Medical, except hospitals	42
				Hospitals	43
				Welfare and religious	44
				Educational	45
				Other professional	46
				Forestry and fisheries	47
				Public administration	
				Armed Forces	48
				Other federal	49
				State	50
				Local	51

1/ 2/ See page 33.

-more-

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Attachment A

Page 38

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

38 3-6 BLANK

39 1-2 Manufacturing

Civ. labor Force	Never worked or not Mfg. Ind. 00
	Durable goods
	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

3/ See page 36.

-more-

Attachment A

Page 39

Word	Char.	Characteristic	Universe	Description	
39	1-2	Manufacturing (Cont.)	Civ. Labor Force	Nonurable goods	14
				Food	15
				Tobacco	16
				Textiles	17
				Apparel	18
				Paper	19
				Printing	20
				Chemicals	21
				Petroleum	22
				Rubber and plastics	23
				Leather and not specified manufacturing	00
3-4		Reason not at work or hours at work	All	Unemployed and MILF	01
				With a job but not at work	02
				<u>Illness</u>	03
				Vacation	04
				Bad weather	05
				Labor dispute	06
				All other	07
				At work	08
				1-4 hours	09
				5-14 hours	10
				15-21 hours	11
				22-29 hours	12
				30-34 hours	13
				35-39 hours	14
				40 hours	15
				41-47 hours	16
				48 hours	
				49-59 hours	
				60 hours or more	

-mofd-

Attachment A

Page 40

Word	Char.	Characteristic	Universe	Description	
39	5-6	At work 1-3 1/4 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 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 11 12 00 01 02 03 04 05 06 07 08 09 10
40	1-2	Detailed reason by hours 1-3 1/4	ESR = 1 (At Work) and 20A is less than 35		

-more-

Attachment A

Word	Char.	Characteristic	Universe	Description	
40	1-2	Detailed reason by hours 1-36 (Cont)	ESR = 1 (At work) and 20A in 1000 than 35	<p>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 week in under 35 hours All other</p>	<p>11 12 13 14 15 16</p>
	3-4	Reason not at work and pay status	ESR = 2 (with job, not at work)	<p>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</p>	<p>00 01 02 03 04 05 06 07 08 09 10 11 12</p>
41	1	Program Signal	All		50
		PADDING			

-more-

Unedited Personal Transcription Items

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

4

6

FADDING

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 places, right justified, space filled
49	1	Eligibility Flag 1/	ALL	Not eligible Eligible
2-3		125A (Edited) - Usual hours worked per week?	Eligible	Hours worked 000-9
4		125B (Edited) - Paid by hour?	Eligible	Yes No
5-6 and 1-2		125C (Edited) - Earnings per hour?	125D (Edited) = 1	Earnings per hour (2 implied decimal places) 0000-999
3-5		125D (Edited; computed) 2/ Earnings per week	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 8) 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=1)

(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 here. Field is used for tabulation purposes for weekly workers.

Word	Char.	Characteristic	Universe	Description	
50	6	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 8	1
	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 1210 and P, F, S, or L in 123E	2
52	1-3	125D (Edited) - Usual weekly earnings	3/	Weekly Earnings	000-999
52 thru 52	4 } 6 }	BLANK			

3/ Reported 25D value appears here for an hourly worker. If 25D was not reported for an hourly worker, the 025A 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
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Basic CPS Allocation Flags

53	1	Item 5a	All	
	2	4		
	3	5b		
	4	9		
	5	All Labor Force Items		
	6	ESR		
54	1	18H		
	2	18E - Sex		
	3	18H		
	4	18D		
	5	18C		
	6	18G		
55	1	18F		
	2	18E - Veteran Status		
	3	19		
	4	23D		
	5	23C		
	6	23E		

Not Allocated
, Allocated

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	22B		
	5	24E		
	6			

Geographic Identification

06:

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

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

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

-more-

ATTACHMENT A

WORD CHAR. CHARACTERISTIC

PAGE 49

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

UNIVERSE

DESCRIPTION

VALUES

Same as I23E
(Exc. Never
worked)

Agriculture
Wage & Salary
Private
Government
Self-Employed
Unpaid Family
Non-Agriculture
Wage & Salary
Private Industry
Private Household
Other Private
Government
Federal
State
Local
Self-Employed
Unpaid Family

01
02
03
0405
0607
08
09
10
11

Major Occupation

Same as I23E

Managerial & Professional
Executive, admin. & managerial
Professional specialty
Technical, sales & admin. support
Technicians & related support
Sales
Administrative support,
incl. clerical
Service
Private household
Protective service
Other service
Precision production, craft and
repair
Operators, fabricators & laborers
Machine operators, assemblers &
inspectors
Transportation & material moving
Handlers, equip. cleaners, etc.
Farming, forestry & fishing
Armed Forces
No previous experience -
Never worked

01
0203
04

05

06

07

08

09

10

11

12

13

14

15

61

62

070

more

ATTACHMENT A

PAGE 50

WORD CHAR. CHARACTERISTIC

UNIVERSE

DESCRIPTION

VALUES

62 2-3

Major Industry

Same as I23E
(Exc. Never
worked)

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

-more-

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PS-1 DOCUMENT RECORD LAYOUT (Effective 01/83)

ATTACHMENT A (Interview Adults)

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	PAGE, 51
62	4-5	Detailed Occupation	Same as 123E		VALUES
				Never worked	00
				Managerial & professional specialty	
				Executive, admin., & managerial	
				Officials & admin., public admin.	01
				Other exec., admin., & managerial	02
				Management related	03
				Professional specialty	
				Engineers	04
				Mathematical & computer	
				scientists	05
				Natural scientists	06
				Health diagnosing	07
				Health assessment & treatment	08
				Teachers, college & university	09
				Teachers, exc. college & univ.	10
				Lawyers & judges	11
				Other professional specialty	12
				Technical, sales & administrative	
				support	
				Technicians & related	
				Health technologists & tech.	13
				Engin. & science technicians	14
				Other technicians	15
				Sales	
				Supervisors & proprietors	16
				Sales reps., finance & business	17
				Sales reps., commodities,	
				except retail	18
				Sales workers, retail & personal	19
				Sales related	20
				Administrative support,	
				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

ATTACHMENT A

WORD CHAR. CHARACTERISTIC

DATE 020183

PAGE 52

UNIVERSE

DESCRIPTION

VALUES

62 4-5 Detailed Occupation (cont'd)

Service	27
Private household	28
Protective service	29
Other service	30
Food	31
Health	32
Cleaning & building	33
Personal	34
Precision production, craft & repair	35
Mechanics & repairers	36
Construction trades	37
Other precision prod., craft and repair	38
Operators, fabricators & laborers	39
Machine oper., assemb. & inspec.	40
Machine oper. & tenders, except precision	41
Fabricators, assemblers, inspectors & samplers	42
Transportation & material moving	43
Motor vehicle operators	44
Other transp. & material moving	45
Handlers, equip. cleaners, helpers, laborers	46
Construction laborers	47
Freight, stock & material handlers	48
Other handlers, equip. cleaners, helpers & laborers	49
Farming, forestry & fishing	50
Farm operators & managers	51
Farm workers & related	52
Forestry & fishing	53
Armed Forces	54

-more-

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ATTACHMENT A

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
62	6	Detailed Industry	Same as I23E	Never Worked	00
63	1			Goods-producing industries	
				Agriculture	01
				Agricultural services	02
				Other agricultural	03
				Mining	04
				Construction	
				Manufacturing	
				Durable Goods	
				Lumber & wood products,	
				except furniture	
				Furniture & fixtures	05
				Stone, clay, glass &	06
				concrete products	
				Metal industries	07
				Primary metals	
				Fabricated metals	08
				Not specified metals	09
				Machinery, exc. electrical	10
				Electrical machinery, equip. &	11
				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
				Nonurable goods	
				Food & kindred products	19
				Tobacco manufactures	20
				Textile mill products	21
				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-

ATTACHMENT A

PAGE 54

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
62	6	Detailed Industry (cont'd)	Same as I23E	Service-producing industries	29
63	1			Transportation, communication & other public utilities	
				Transportation	30
				Communications & other public utilities	31
				Communications	32
				Utilities & sanitary serv.,	33
				Wholesale & retail trade	34
				Wholesale trade	35
				Retail trade	36
				Finance, insurance & real estate	37
				Banking & other finance	38
				Insurance & real estate services	39
				Private household	40
				Misc. services	41
				Business & repair serv.	42
				Business services	43
				Repair services	44
				Personal services, exc. private household	45
				Entertainment & recreation	46
				Professional & related serv.	47
				Hospitals	48
				Health serv., exc. hospitals	49
				Educational services	50
				Social services	51
				Other professional serv.	
				Forestry & fisheries	
				Public administration	
				Justice, public order & safety	
				Admin. of human resource programs	
				National security & internal affairs	
				Other public administered	
				Armed Forces	

-more-

075

ATTACHMENT A			PAGE 55	
WORD	CHAR.	CHARACTERISTIC	UNIVERSE	VALUES
63	2-4	Item 23B - INDUSTRY (1980 Edited)	Same as I23E (Exc. Never worked)	3-digit Industry Code 010-991
63	5-6	Item 23C - OCCUPATION (1980 Edited)	Same as I23E (Exc. Never worked)	3-digit Occupation Code 003-905
64	1			

END OF BASIC CPS RECORD

CURRENT POPULATION SURVEY
CHILDREN'S INTERVIEW RECORD LAYOUT
(BEGINNING JANUARY 1903)
FOR STANDARD TAPE COPIES

Page 1

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

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

-more-

Word	Char.	Characteristic	Universe	Description	
3	5	Division (From M.S.T.)	All	New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific	1 } Region 1 2 } 3 } Region 2 4 } 5 } 6 } Region 3 7 } 8 } Region 4 9 }
5-6		State (1st digit of State Code is Division Code) (From H.S.T.)	All	New England Division Maine New Hampshire Vermont Massachusetts Rhode Island Connecticut Middle Atlantic Division New York New Jersey Pennsylvania	11 12 13 14 15 16 21 22 23

-more-

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

-more-

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

Word	Char.	Characteristic	Universon	Description	
1	1-2	State Rankings (Con't.) (From H.S.T.)	All	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

-more-

Word	Char.	Characteristic	Universe	Description	1970 Ranking
4	3-4	SMSA Rankings (From N.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
				Hansau-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	SHSA Rankings (Con't) (From M.S.T.)	SHSA'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		<u>Item 1</u> - INTERVIEWER CHECK ITEM	All	Blank or Impossible - Only CPS-1 for household 1 First CPS-1 of cont. 2 household Second CPS-1 of cont. 3 household Third, fourth, etc. CPS-1 4
6		Blank		

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.
				Blank
				Personal
				Tel. - Regular
				Tel. - Callback
				ICR Filled
3-4		Item 11 - DATE COMPLETED	All	Day of Month
5-6		PADDING		
7	1-5	PADDING		
	6	BLANK		

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

-
1-6
7

- 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 Items 5a. and 5b-new in Feb. 76) Recode reflects "old" Farm Definition.	All	Nonfarm Farm \geq 10 acres Farm $<$ 10 acres	1 2 3
2-3		Item 4 - TYPE OF LIVING QUARTERS (Recode)	All	<u>Housing Unit</u> House, apt., flat HU in nontransient hotel, etc. HU, permanent, in trans. hotel, motel, etc. HU in rooming house Mobile home or Trailer HU not specified above <u>Other Unit</u> Qtrn. not HU in rooming or boarding house Unit not permanent in trans. hotel, motel, etc. Tent or trailer site Other not HU	01 02 03 04 05 06 07 08 09 10
A		'New' Farm Definition (Recode) Effective February 1976. (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document Items 5a. and 5b.)	All	Nonfarm Farm \geq 10 acres Farm $<$ 10 acres	1 2 3

Word	Char.	Characteristic	Universe	Description
8	5	Blank		
9	6	Item 9 - HOUSEHOLD NUMBER	ALL	1-8
16	1 Through 3	PADDING		

Ord	Char.	Character	Universe	Description
16	4-5	Item 10A - LINE NUMBER	All	00-39
6		Item 10B - 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) 4 Non-relative-own relatives in household 5 Non-relative-no own relatives in household 6
17	1-2	Item 10C - AGE	Child (0-13 Years)	00-13
3		PADDING		
4		Item 10H - RACE (Recode)	All	White 1 Black 2 Other 3
5		Item 10E - SEX	All	Male 1 Female 2
6		PADDING		
18	1-3	PADDING		
4		Program Signal	All	1 Child in Household 2 or more children in household 2
5		Blank		
6		PADDING		

Kord	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 ΔΔ1-99 9XX Assigned
	4-5	Month	All	01-12
	6	Year - Last Digit	All	0-9
21 & 22	All	Final Weight	All	Two Understood Decimal Places. (Right justified, space fill -01)
23	1-6	PADDING		

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

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)	1 Own Child 2 Brother/Sister 3 Other relative 4 Non-relative-own relatives in household 5 Non-relatives-no own relatives in household
<u>Unedited Personal Transcription Item</u>				
41	2	Item 18B - Relationship To Reference Person (FOSDIC) 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 1 Own Child 2 Brother/Sister 3 Other Relative of Ref. Person 4 Non-relative w/own relatives 5 Non-relative no own relatives

41 3 }
58 6 }
PADDING

-more-

Word	Char.	Characteristic	Universe	Description
Unedited Basic CPS Transcription Items 1/				
59,	1	Item 26	Tenure (Unedited)	All
				Owned or being bought Rented No cash rent No entry
				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
				0-9 Blank
	4	Item 28	Total Number of Household All ^{2/} under 14 years of age-- Girls (Unedited)	Number of Girls
				0-9 Blank
59	5	thru 1	PADDING	
64				

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

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

-END OF BASIC CPS RECORD-

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

Page 1

Word	Char.	Characteristic	Universe	Description
1	1	Record Type	All	Noninterview Type A
	2	Month in Sample (Recorded from Month and Rotation)	All	1-8
	3	Blank		
	4-6	Household ID Number		
2	1-6	(Word 1; Character 5 will always be blank)	All	
3	1-3			
	4	Region (From M.S.T.)	All	1 Northeast 2 North Central 3 South 4 West
	5	Division (From M.S.T.)	All	1 } New England 2 } Middle Atlantic 3 } East North Central 4 } West North Central 5 } South Atlantic 6 } East South Central 7 } West South Central 8 } Mountain 9 } Pacific

-more-

Attachment B

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

-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 Maryland District of Columbia Virginia West Virginia North Carolina South Carolina Georgia Florida	51 52 53 54 55 56 57 58 59
				<u>East South Central Division</u> Kentucky Tennessee Alabama Mississippi	61 62 63 64
				<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	81 82 83 84 85 86 87 88

Attachment B

Word	Char.	Characteristic	Universe	Description	1970 Ranking
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't)	All	Pacific Division Washington Oregon California Alaska Hawaii	91 92 93 94 95
4	1-2	State Rankings (From M.S.T.)	All	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	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-

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Attachment B

Word	Char.	Characteristic	Universe	Description	
4	1-2	State Rankings (Con't) (From M.S.T.)	All	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		1970 Ranking
				Not an SMSA and all	00
				other SMSA's	01
				New York, N.Y.	
				Los Angeles-Long Beach,	02
				Calif.	03
				Chicago, Ill.	04
				Philadelphia, Pa.-N.J.	05
				Detroit, Mich.	

-more-

Attachment B

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-Clifton-Passaic, N.J.	24
				San Diego, Calif.	25
				Buffalo, N.Y.	26
				Miami, Fla.	27
				Kansas City, Mo.-Kan.	28
				Denver, Colo.	
				San Bernardino-Riverside-	29
				Ontario, Calif.	30
				Indianapolis, Ind.	31
				San Jose, Calif.	32
				New Orleans, La.	33
				Tampa-St. Petersburg, Fla.	34
				Portland, Ore.	36
				Columbus, Ohio	38
				Rochester, N.Y.	42
				Sacramento, Calif.	

-more-

Word	Char.	Characteristic	Universe	Description	
4	3-4	SMSA Rankings (Con't) (From M.S.T.)	SMSA's	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.	44 45 46 48 49 53 57
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	- 1 2 3 4
6		Blank			
5	1-3	Blank			
4-6		Item 10 - INTERVIEWER CODE	All	Blank or Impossible in any digit	-NA, or A00-M99 (Excluding I--)
6	1	Item 12 - LINE NO. H'ILD RESP.	All	Blank or Impossible Non H'hld Resp.	1-6 7
2		Item 13 - TYPE INTERVIEW	All	Noninterview	1

-more-

Attachment B

Word	Char.	Characteristic	Universe	Description	-- or 10-29
6	3-4	Item 11 - DATE COMPLETED	All	Day of Month	
	5 } 6 }	PADDING			
7	1	Item 14 - RACE OF HEAD	All	White Black Other	1 2 3
	2	Item 14 - REASON	All	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.T. and CPS-1 Document Items 5a. and 5b-new in Feb. 76) Recode reflects "old" farm Definition.	All	Nonfarm Farm \geq 10 acres Farm $<$ 10 acres	1 2 3
	2-3	Item 4 - TYPE OF LIVING QUARTERS (Recode)	All	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-

Attachment B

Word	Char.	Characteristic	Universe	Description
8	2-3	Item 4 - TYPE OF LIVING QUARTERS (Recode) (Con't)	All	Other Unit Qtrs. not IU in rooming or boarding house 07 Unit not permanent in trans. hotel, motel, etc. 08 Tent or trailer site 09 Other not IU 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.)	All	Nonfarm 1 Farm \geq 10 acres 2 Farm $<$ 10 acres 3
5		Blank		
6		Item 9 - HOUSEHOLD NUMBER (Unedited)	All	Blank 1-8
9 through 19	1 2	PADDING		
3		Household Indicator	All	1
4-6		Document Count (Within Work Unit)	All	001-999
20	1-3	Work Unit Number (From Breaker Sheet)	All	If Breaker was missing 001 or 001-999 9XX Assigned

-more

Attachment B

Word	Char.	Characteristic	Universe	Description	
20	4-5	Month	All		01-12
	6	Year - Last Digit	All		0-9
21	1-6	Fill	All	(Binary 01)	
22	1-5		All	"Regular Type A"	1
	6		All	Sub Sample	2-4
23	All	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	All	SMSA Non SMSA Not Identifiable	1 2 3
	2	Central City Status Code	All	Central city Balance of SMSA Non SMSA Not Identifiable	1 2 3 4

-more-

Attachment B

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

Attachment B

Word	Char.	Characteristic	Universe	Description
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BASIC CPS ALLOCATION FLAGS

53	1	Item 5a	All	Not Allocated
	2	4		Allocated
	3	5b		
	4	9		
53 Thru 54	5 } 2 }	Padding		
54	3	14 - Race		
54 Thru 58	4 } 5 }	Padding		
58	6	Geographic Identification		
59 Thru 64	1 } 1 }	Padding		

END OF BASIC CPS RECORD

CURRENT POPULATION SURVEY
NONINTERVIEW TYPE B-C RECORD LAYOUT
FOR STANDARD TAPE COPIES
(Beginning January 1982)

Page 1

Word	Char.	Characteristic	Universe	Description	
1	1	Record Type	All	Noninterview Type B or C	3
	2	Month in Sample (Recorded from Month and Rotation)	All		1-8
	3	Blank			
2	4-6	Household ID Number (Word 1; Character 5 will always be blank)	All		
	1-6				
3	1-3				
	4	Region (From M.S.T.)	All	Northeast North Central South West	1 2 3 4
	5	Division (From M.S.T.)	All	New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific	1) Region 1 2) } 3) Region 2 4) } 5) Region 3 6) } 7) } 8) Region 4 9) }

-more-

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

-more-

Attachment C

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

Attachment C

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code 1s Division Code) (From M.S.T.) (Con't)	All	<div>Pacific Division</div> <div> Washington Oregon California Alaska Hawaii </div>
4	1-2	State Rankings (From M.S.T.)	All	<div>1970 Ranking</div> <div> 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 </div> <div> 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 </div>

-more-

Attachment C

Word	Char.	Characteristic	Universe	Description	
4	1-2	State Rankings (Con't) (From M.S.T.)	All	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

1970 Ranking

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

-more-

Attachment C

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

-more-

Word	Char.	Characteristic	Universe	Description	
4	3-4	SMSA Rankings (Con't) (From M.S.T.)	SMSA's	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.	44 45 46 48 49 53 57
5	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	- 1 2 3 4
6	6	Blank			
5	1-3	Blank			
4-6	4-6	Item 10 - INTERVIEWER CODE	All	Blank or Impossible in any digit	-NA, or A00-M99 (Excluding I--)
6	1	Item 12 - LINE NO. H'HLD RESP.	All	Blank or Impossible	1-6 7
2	2	Item 13 - TYPE INTERVIEW	All	Non H'hld Resp. Noninterview	1

-more-

Attachment C

Word	Char.	Characteristic	Universe	Description	Day of Month	-- or 10-29
6	3-4	Item 11 - DATE COMPLETED	A11			
	5 } 6 }	PADDING				
7	1-2	Item 15 - TYPE B OR C (Recode)	A11	<p>Type B</p> <p>Vacant - regular Vacant - storage of h'hld furniture Temp. occ. by persons with URE Unfit or to be demolished Under construction, not ready Converted to temp. business or storage Occ. by AF members or persons under 14 Unoccupied tent site or trailer site Permit granted, construction not started Other</p> <p>Type C</p> <p>Demolished House or trailer moved Outside segment Converted to permanent business or storage Merged Condemned Built after April 1, 1970 Unused line of listing sheet Other</p>		01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19

Attachment C

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.	All	Nonfarm Farm \geq 10 acres Farm $<$ 10 acres 1 2 3
2-3		Item 4 - TYPE OF LIVING QUARTERS (Recode)	All	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-

Attachment C

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

-more

Attachment C

Word	Char.	Characteristic	Universe	Description
20	4-5	Month	All	01-12
	6	Year - Last Digit	All	0-9
21	1-6	Fill	All	(Binary 01)
22	1-5		All	"Regular Type B-C"
	6	Final Weight	All	Sub Sample 1 2-4
23	All	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	All	SMSA Non SMSA Not Identifiable 1 2 3
	2	Central City Status Code	All	Central city Balance of SMSA Non SMSA Not Identifiable 1 2 3 4

-more-

Attachment C

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

Attachment C

Word	Char.	Characteristic	Universe	Description
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BASIC CPS ALLOCATION FLAGS

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

END OF BASIC CPS RECORD

CURRENT POPULATION SURVEY
JUNE 1983 FERTILITY SUPPLEMENT
RECORD LAYOUT

PUBLIC USE FILE

Page 1

Word	Char.	Characteristics	Universe	Description	
64-2 to 66-6		BLANK			
		Allocation Flags			
67	1	A28M	A11	Not allocated Month allocated CPS allocated	1 2 3
	2	A28Y	A11	Not allocated Year allocated CPS allocated	1 2 3
	3	A30	A11	Not allocated Month allocated Month and Year allocated	1 2 3
	4	A31	A11	Not allocated Allocated	1 2
	5	A32	A11	Not allocated Month allocated Month and Year allocated	1 2 3
	6	A33	A11	Not allocated Month allocated Month and Year allocated	1 2 3
68	1	MAOC	A11	Not allocated Allocation of age of oldest child Allocation of age of youngest child Allocation of age of mother at birth of youngest child	1 2 3 4

Word	Char.	Characteristics	Universe	Description	
68	2	A36	A11	Not allocated Allocated	1 2
	3-4	HAGE-Husband's Age	HFLAG = 1		14-99
	5	HRACE-Husband's Race	HFLAG = 1	White Black Other	1 2 3
	6	HFLAG-Husband Flag		Husband's information not present Husband's information present	0 1
69	1-2	HED-Husband's Education (Highest Grade Completed)	HFLAG = 1	None E1 E2 E3 E4 E5 E6 E7 E8 H1 H2 H3 H4 C1 C2 C3 C4 C5 C6+	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

Word	Char.	Characteristics	Universe	Description	
69	3	HESR-Husband's Employment Status Recode	HFLAG = 1	Employed - Working With job not at work Unemployed - Looking Not in House Labor School Force Unable Other (Includes retired)	1 2 3 4 5 6 7
	4-5	BLANK			
	6	BLANK			
70	1-2	HIOCC-Husband's Occupation	HFLAG = 1	Range 0-46 Same definition of items as Basic CPS Detailed Occ. (W62:4-5)	
	3-4	HIND-Husband's Industry	HFLAG = 1	Range 0-51 Same definition of items as Basic CPS Detailed Industry (W62:6-63:1)	
	5	HFTPT-Full-time or Part-time status	HFLAG = 1	Range 0-5 Same definition of items as Basic CPS status (W28:5)	
	6	PADDING			

Word	Char.	Characteristics	Universe	Description
71	1-2	HHRWRK-Husband-Number hours worked last week	HFLAG = 1 & HESR = 1	Range 01-99
	3	HHRWRK-Husband usually works 35+ hours a week	HFLAG = 1, HESR = 1, HHRWRK (35	Yes No
72-73	4-6	BLANK		
		BLANK		
74	1-3	AFM-Number of months since first marriage (in months)	E29 = 1	0-551
	4-6	AOC-Age of oldest child (in months)	E31 = 1-10	0-551
75	1-3	AS-Age of Subject (in months)	A11	180-719
	4-6	AYC-Age of youngest child (in months)	E31 = 1-10	0-551
76	1	RS-Reporting Status	A11	Reporting Incomplete reporting Uncertain Blank Not in Universe
	2-3	E28M-Woman's Month of Birth	A11	01-12
	4-5	E28Y-Woman's Year of Birth	A11	1923-1968

Word	Char.	Characteristics	Universe	Description	
76	6	E29	All	Female 15-59 and has ever been married Female 18-59 and never married Female 15-17 and never married	1 2 3
77	1-2	E30M	E29 = 1	January-December	01-12
	3-4	E30Y	E29 = 1	1937-1983	37-83
	5-6	E31	E29 = 1,2	Number of Babies	0-10
78	1-2	E32M	E31 = 1-10	January-December	01-12
	3-4	E32Y	E31 = 1-10	1937-1983	37-83
	5-6	E33M	E31 = 1-10	January-December	01-12
79	1-2	E33Y	E31 = 1-10	1937-1983	37-83
	3	E34	E29 = 1,2	Currently married but not separated 18-44 years Widowed, divorced, or separated 18-44 years Never married, 18 to 44 All others	1 2 3 4
	4	E35	E34 = 1-3	Yes No Uncertain Blank	1 2 3 9
	5	E36	E35 = 1	Number of Births Blank	0-6 7

PUBLIC USE FILE

Word	Char.	Characteristics	Universe	Description	
79	6	E37	E34 = 1	Currently married All others	1 2
80	1	E38	E37 = 1	None 1 2 3+ Blank	0 1 2 3 4

BLANK

2-6

UNWEIGHTED AND WEIGHTED COUNTS

TOTAL INTERVIEWS	UNWEIGHTED	WEIGHTED (1000'S)
------------------	------------	----------------------

WHITE		
MALE		
<14	14202	19936
14+	50192	74956
FEMALE		
<14	13322	18921
14+	55361	81710
BLACK		
MALE		
<14	2274	3687
14+	5035	8964
FEMALE		
<14	2254	3127
14+	6634	10192
OTHER		
MALE		
<14	767	866
14+	1863	2217
FEMALE		
<14	722	850
14+	2668	2447

TOTAL RECORDS	UNWEIGHTED	WEIGHTED (1000'S)
---------------	------------	----------------------

TOT RECORDS	168015	229173
INTERVIEWS	154694	229173
<14	33541	47887
14+	121153	181286
TYPE A	2574	0
TYPE B/C	10747	0

The following source and reliability statement can be adapted to the June 1983 Fertility and Birth Expectations data file.

Source and Reliability of Estimates

SOURCE OF DATA

The estimates in this report are based on data obtained from the Bureau of the Census collected in the Current Population Survey (CPS) and the Survey of Economic Opportunity (SEO). The sources of data in each text table and for each figure can be found at the bottom of that table or figure. Brief descriptions of the sources of data and the procedures by which data were obtained are presented below.

Current Population Survey (CPS). The CPS estimates in this report are based on data obtained in the June surveys of 1971 through 1982. 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 addition, supplementary questions are asked each June about fertility and birth expectations of American women.

The present CPS sample was initially selected from the 1970 census files and is continuously updated to reflect new construction (see section "Nonsampling Variability" below). The current CPS sample is spread over 629 areas with coverage in each of the 50 States and the District of Columbia. The CPS sample areas comprise 1,148 counties, independent cities, and minor civil divisions in the Nation. In June 1982, 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 following table provides a description of some aspects of the CPS sample designs in use during the referenced data collection periods.

Description of the Current Population Survey for the June Supplement

Time period	Number of sample areas*	Households eligible	
		Inter-viewed	Not inter-viewed
June 1971.....	449	48,000	2,000
June 1972.....	449	45,000	2,000
June 1973 to June 1977.	461	45,000	2,000
June 1978 to June 1979.	614	53,500	2,500
June 1980.....	629	63,000	3,000
June 1981 to June 1982.	629	58,000	2,500

*These areas were chosen to provide coverage in each State and the District of Columbia.

The estimation procedure used for the monthly CPS data involved the inflation of the weighted sample results to independent estimates of the civilian noninstitutional population of the United States by age, race, and sex. These independent estimates were based on statistics from decennial censuses; statistics on births, deaths, immigration, and emigration; and statistics on the strength of the Armed Forces. The estimation procedure used for June 1982 data utilized independent estimates based on the 1980 census.

1967 Survey of Economic Opportunity. The 1967 Survey of Economic Opportunity (SEO) sample was spread over 357 areas comprising 701 counties and independent cities. These areas were chosen to provide coverage in each State and the District of Columbia. Approximately 29,000 occupied households were eligible for interview. Of this number about 2,500 of the 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. In addition to the 29,000 occupied households, there were also 7,700 sample units which were visited but were found to be vacant or otherwise not to be interviewed.

The SEO sample was selected so that there was a disproportionately large sample from the Black-and-other races population. The weights applied to each sample case were adjusted to reflect this. This sampling procedure was used to provide more reliable estimates for the Black-and-other races population although it was known that reliability of estimates for all races combined and for the White population would be reduced.

RELIABILITY OF ESTIMATES

Since the SEO and the CPS estimates in this report are based on samples, they may differ somewhat from the figures that would have been obtained if a complete census had 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 non-sampling. 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 non-sampling 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 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 on the part 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 estimating values for missing data, and failure to represent all units with 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 partially corrects for the bias 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.

A coverage improvement sample was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction housing units that previously had no chance for selection in the CPS sample. This sample is composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction units. These new construction units are composed of those units where building permits were issued prior to January 1970 and construction was not completed by the time of the 1970 census (i.e., April 1970). The extent of other sources of housing undercoverage is unknown but believed to be small. The inclusion of this coverage improvement sample in the CPS does not have a significant effect on the estimates.

In addition to the basic CPS noninterview and the above mentioned sources of undercoverage in the CPS, several sources of response error with respect to fertility of American women have been identified. Regarding birth expectations, 15 percent of currently married women and 34 percent of single women were counted as "not reporting" (table A-1) in the June 1982 CPS supplement. These percentages include women who were uncertain about additional births expected and did not provide a numerical response as well as women who either were not contacted by the interviewer or who refused to answer the questions. The tables in this report showing birth expectations are restricted to women who supplied a numerical answer. The amount of bias introduced by this restriction is currently unknown.¹

Regarding the question on children ever born, 13 percent of the ever-married women and 8 percent of the single women were counted as "not reporting" (table A-2).

¹For discussion of this bias, see Jeanne E. Moorman, Maurice J. Moore, and Martin O'Connell, "Predicting Future Births for Non-reporting Women: An Application of Discriminant Analysis," in *Proceedings of the Social Statistics Section 1978*, American Statistical Association (Washington, D.C., 1978).

In these instances, the number of children ever born was imputed, based on a match of these women with other women of similar characteristics who did report children ever born. Tables presenting rates of children ever born are based on all women in the sample, including women with an imputed value for number of children ever born.

The June 1982 CPS included single women 18 to 59 years old among those asked about previous childbearing. Consequently, there is the likelihood of some deliberate misreporting of the facts, especially among women who perceive out-of-wedlock childbearing as bearing a social, moral, or legal stigma. It is also quite possible that the level of misreporting may differ systematically according to various demographic and social characteristics.

For additional information on nonsampling error including the possible impact on CPS data, 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 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 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 is or is not 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.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common types of hypotheses appearing in this report are 1) the population parameters are identical, versus 2) they are different. An

example of this would be comparing the fertility ratio of White women versus the fertility ratio of Black women 18 to 44 years old. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the parameters are different when, in fact, they are identical. All statements of comparison in the text have passed an hypothesis test at the 0.10 level of significance or better, and most have passed an hypothesis test at the 0.05 level of significance or better. This means that, for most differences cited in the text, the estimated difference between parameters is greater than twice the standard error of the difference. For the other differences, where the estimated difference between parameters is between 1.6 and 2.0 times the standard error of the difference, the statement of comparison is qualified in some way; e.g., by use of the phrase "some evidence."

Note when using small estimates. Percent distributions and ratios are shown in this report only when the base of the statistic is greater than 75,000 for any data collected in the June 1971 through 1982 CPS and for data on Black women collected in the February-March 1967 SEO, or when the base of the statistic is greater than 125,000 for data on all races or White women collected in the February-March 1967 SEO. Because of the large standard errors involved, there is little chance that the statistic would reveal useful information when computed on a smaller base. Estimated numbers are shown, however, even though the relative standard errors of these numbers are larger than those for the corresponding statistics. These smaller estimates are provided primarily to permit such combinations of the categories as may serve each user's needs. Similarly, estimated numbers of children ever born per 1,000 women and birth expectations data are shown in the report only when the associated number of women is greater than 75,000 or 125,000 as specified above.

Metropolitan-nonmetropolitan area estimates. In using metropolitan and nonmetropolitan data, caution should be used in comparing estimates for 1977 and 1978 to each other or to any other years. Methodological and sample design changes occurred in these years resulting in relatively large differences in the metropolitan and nonmetropolitan area estimates. However, estimates for 1979 and later are comparable as are estimates for 1976 and earlier. (See the section in appendix B, "Comparability of metropolitan and nonmetropolitan data from the 1982 CPS with data for previous years" for a more detailed explanation.)

Comparability with other data. Data from sources other than the Census Bureau may be subject to both higher sampling and nonsampling variability. In addition, data obtained from the CPS are not entirely comparable with data obtained from SEO or other sources. This is due in large part to differences in interviewer training and experience and in differing survey processes. This is an additional component of error not reflected in the standard error tables. Therefore, caution should be used in comparing results between these different sources.

Caution should also be used when comparing CPS estimates for 1980 and later, which reflect 1980 census-based population controls, to those for 1971 through 1979, which reflect 1970 census-based population controls. This change in population controls had relatively little impact on summary measures such as means, medians, and percent distributions, but did have a significant impact on levels. For example, use of 1980-based population controls resulted in about a 2-percent increase in the civilian noninstitutional population and in the number of families and households. Thus, estimates of levels for 1980 and later will differ from those for earlier years by more than what could be attributed to actual changes in the population and these differences could be disproportionately greater for certain subpopulation groups than for the total population.

Standard errors for data based on the CPS or SEO. 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 presented in tables C-1 and C-2 are approximations to standard errors of estimated numbers and estimated percentages. The figures presented in table C-3a are approximations to standard errors of estimated fertility ratios. Estimated standard errors for specific characteristics cannot be obtained from tables C-1, C-2, and C-3a without the use of the factors in table C-4. These factors must be applied to the standard errors in order to adjust for the combined effect of sample design and estimating procedure on the value of the characteristic. Standard errors for intermediate values not shown in the generalized tables for standard errors may be approximated by interpolation.

Two parameters are used (denoted "a" and "b") to calculate standard errors for each type of characteristic; they are presented in table C-5. These parameters were used to calculate the standard errors in tables C-1 and C-2 and to calculate the factors in table C-4. They also may be used to calculate directly the standard errors for estimated numbers and percentages. Methods for direct computation are given in the following sections.

Standard errors of estimated numbers. The approximate standard error, σ_x , of an estimated number shown in this report can be obtained in two ways. It may be obtained by use of this formula

$$\sigma_x = f\sigma \quad (1)$$

where x is the size of the estimate, f is the appropriate factor from table C-4, and σ is the standard error of the estimate obtained by interpolation from table C-1. Alternatively, standard errors may be approximated by formula (2).

Table C-1. Standard Errors of Estimated Numbers

(Numbers in thousands)

Size of estimate	Standard error
20.....	6
50.....	9
100.....	13
250.....	21
500.....	29
1,000.....	41
2,500.....	64
5,000.....	88
10,000.....	118
25,000.....	152
50,000.....	86

from which the standard errors were calculated in table C-1. Use of this formula will provide more accurate results than the use of formula (1) above.

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

Here x is the size of the estimate and a and b are the parameters in table C-5 associated with the particular type of characteristic.

Illustration of the computation of the standard error of an estimated number. Table 2 of this report shows that there were 1,768,000 Spanish-origin women 18-34 years old reporting on birth expectations in 1982. Using formula (2) with $a = -0.000042$ and $b = 2193$ from table C-5, the approximate standard error² is:

$$\sigma_x = \sqrt{(-0.000042)(1,768,000)^2 + (2193)(1,768,000)} = 61,000$$

Using the 61,000 estimate of standard error, the 68-percent confidence interval as shown by the data is from 1,707,000 to 1,829,000. 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 the number of Spanish-origin

²Using formula (1), table C-1, and the appropriate factor from table C-4, the approximate standard error is $1.14 \times 53,000 = 60,000$.

women 18 to 34 years old reporting on birth expectations in 1982 lies within the interval from 1,646,000 to 1,890,000 (using twice the standard error).

Standard errors of estimated percentages. The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends on both the size of the percentage and the size of the total upon which the percentage is based. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more. When the numerator and denominator of the percentage are in different categories, use the factor or parameters indicated by the numerator. The approximate standard error, $\sigma_{(x,p)}$ of an estimated percentage, p , on a base of size x can be obtained by use of the formula

$$\sigma_{(x,p)} = f\sigma \quad (3)$$

In this formula f is the appropriate factor from table C-4 and σ is the standard error of the percentage obtained by interpolation from table C-2. Alternatively, the standard errors in table C-2 were calculated. Direct computation of $\sigma_{(x,p)}$ will give more accurate results than use of the standard error table and the factors.

$$\sigma_{(x,p)} = \sqrt{\frac{b}{x}(p)(100-p)} \quad (4)$$

Here x is the number in the subclass of women which is the base of the percentage, p is the percentage ($0 < p < 100$), and b is the parameter in table C-5 associated with the particular type of characteristic in the numerator of the percentage.

Illustration of the computation of the standard error of a percentage. Table 2 shows that of the 3,307,000 Black women 18-34 years old reporting on birth expectations, 1,657,000 or 50.1 percent were never married. Using formula (4), with $b=1698$ from table C-5, the approximate standard error³ of 50.1 percent is

$$\sigma_{(x,p)} = \sqrt{\frac{1698}{3,307,000}(50.1)(49.9)} = 1.1$$

³Using formula (3), table C-2, and the appropriate factor from table C-4, the approximate standard error is $1.00 \times 1.2 = 1.2$.

Table C-2. Standard Errors of Estimated Percentages

Base of estimated percentage (thousands)	Estimated percentage					
	1 or 99	2 or 98	5 or 95	10 or 90	25 or 75	50
75.....	1.5	2.1	3.3	4.5	6.5	7.5
100.....	1.3	1.8	2.8	3.9	5.6	6.5
250.....	0.8	1.2	1.8	2.5	3.6	4.1
500.....	0.6	0.8	1.3	1.7	2.5	2.9
1,000.....	0.4	0.6	0.9	1.2	1.8	2.1
2,500.....	0.3	0.4	0.6	0.8	1.1	1.3
5,000.....	0.2	0.3	0.4	0.6	0.8	0.9
10,000.....	0.13	0.2	0.3	0.4	0.6	0.7
25,000.....	0.08	0.12	0.2	0.2	0.4	0.4
50,000.....	0.06	0.08	0.13	0.2	0.3	0.3

Table C-3a. Standard Errors of Estimated Fertility Ratios

Number of women ¹ (thousands)	Children ever born or expected per 1,000 women							
	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000
75.....	96	165	233	300	367	434	500	567
100.....	83	143	202	260	313	376	433	491
250.....	51	93	129	164	198	234	274	315
500.....	36	66	92	116	140	166	194	222
750.....	30	54	74	95	114	135	158	181
1,000.....	26	47	64	82	99	117	137	158
2,000.....	18	33	45	58	70	83	97	112
5,000.....	11	20	29	37	44	52	61	70
10,000.....	9	15	20	26	31	38	44	50
15,000.....	7	12	16	21	26	29	35	41
20,000.....	6	11	15	19	23	27	31	35
25,000.....	5	9	12	16	20	24	28	32
30,000.....	5	8	12	15	19	22	25	29
35,000.....	4	8	11	14	17	20	23	27
50,000.....	4	7	9	12	15	17	20	22

¹It should be noted that for data involving one event per woman, e.g., one additional birth expected, table C-2, the table of standard errors of percentages should be used (with the ratio adjusted to a per-100 basis when ratios are on a per 1,000 basis).

Consequently, the 68-percent confidence interval of the percentage of never married Black women 18 to 34 years old reporting on birth expectations is from 49.0 to 51.2 percent and the 95-percent confidence interval is from 47.9 to 52.3 percent.

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, percentages, ratios, etc. This will represent the actual standard error 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 over-(under-) estimate the true standard error.

Illustration of the computation of the standard error of a difference between percentages. Table 4 of this report shows that in 1982, 11.8 percent of the 22,771,000 White women 18-34 years old reporting on birth expectations expected no lifetime births, whereas 10.0 percent of the 3,307,000 Black women in the corresponding age group expected no lifetime births. Thus, the apparent difference in the percentages between these two groups of women is 1.8. Using table C-5 and formula (4) the standard error, $\sigma_{(y,p)}$ on 11.8 percent is approximately 0.3, and on 10.0 percent is approximately 0.7. Using formula (5), the standard error of the estimated difference of 1.8 percent is about

$$\sigma_{(x,y)} = \sqrt{(0.3)^2 + (0.7)^2} \approx 0.8$$

This means that the 68-percent confidence interval around the difference is from 1.0 to 2.6, and the 95-percent con-

fidence interval is from 0.2 to 3.4. Since this interval does not include zero, we can conclude with 95 percent confidence that the percentage of White women 18 to 34 years old expecting no lifetime births is greater than the percentage of Black women in the same age range expecting no lifetime births.

Standard error of a fertility ratio. A separate standard error table, table C-3a, provides standard errors for both number of children ever born and number of expected lifetime births per 1,000 women. The sampling variability on the ratio of children born per 1,000 women depends on the shape of the distribution on which the ratio is based, the size of the sample, the sample design, and the use of ratio estimates.

Table C-3a was formed by using the following equation:

$$\sigma_{(1,000x)} = \frac{FR}{N} \sqrt{\sum n^2 x_n - \frac{(\sum n x_n)^2}{N}} \quad (6)$$

where $\sigma_{(1,000x)}$ is the standard error of a fertility ratio per 1,000 women,

R is a constant which depends upon the size of the sample. For 1982, $R = 1,000\sqrt{1,170} = 34,200$.

Table C-3b. F for Children Ever Born or Expected Per 1,000 Women

Number of children per 1,000 women	F
500.....	1.05
1,000.....	1.14
1,500.....	1.18
2,000.....	1.22
2,500.....	1.26
3,000.....	1.30
3,500.....	1.34
4,000.....	1.38

- n is the specific number of children ever born or expected ($n=0,1,2,3,4,5,6,7+$),
- x_n is the estimated number of women who have n children ever born or expected, $7+$
- N is the total number of women = $\sum_{n=0}^{7+} x_n$, and
- F is dependent on the particular sample design used for this survey and is also a function of the magnitude of the ratio of children ever born or expected per 1,000 women. The values of F used in compiling the standard error table are listed in table C-3b.

It should be noted that for data involving only one event per woman, e.g., one additional birth expected, table C-2, the table of standard errors of percentages, should be used (with the ratio adjusted to a per-100 basis when ratios are on a per 1,000 basis). For data involving two or more possible events per woman, table C-3a, the table of standard errors of estimated fertility ratios should be used.

Illustration of the computation of the standard error of a fertility ratio. Table 2 of this report shows that in 1982 currently married women 18-34 years old expected 2,158 lifetime births per 1,000 women. Table 2 also shows that there were 15,299,000 currently married women. Table C-3a shows the standard error of 2,158 lifetime births with a base of 15,299,000 women to be approximately 23. Multiplying the standard error, 23, by the factor for all women found in table C-4 (i.e., 1.00), the standard error becomes 23 per 1,000 women. Consequently, the 68-percent confidence interval for the fertility ratio is from 2,135 to 2,181 lifetime births per 1,000 currently married women, and the 95-percent confidence interval is from 2,112 to 2,204 lifetime births per 1,000 currently married women 18 to 34 years old.

Table C-4. "f" Factors to be Applied to Generalized Standard Errors in Tables C-1, C-2, and C-3a

Characteristic	"f" factors for persons
United States, regions, or metropolitan residences:	
CPS, total, White or Black women ¹	1.00
CPS, Spanish-origin women ¹ ..	1.14
SEO, total or White women...	1.38
SEO, Black women.....	1.30
CPS, farm women.....	1.38
CPS, total or White births ¹ ..	1.35
CPS, Black births ¹	(²)
CPS, Spanish-origin births ¹ ..	(²)

¹Apply a factor to 1.22 to these factors for nonmetropolitan characteristics only.

²"f" factors are not available for these characteristics. To obtain standard errors for these characteristics, use the "a" and "b" parameters given in table C-5 and formula (2) or (4).

Table C-5. "a" and "b" Parameters for Estimated Numbers and Percentages of Women

Characteristic	Parameters	
	a	b
United States, regions, or metropolitan residences:		
CPS, total, White or Black women ¹	-0.000031	1698
CPS, Spanish-origin women ¹ ..	-0.000042	2193
SEO, total or White women...	-0.000036	3230
SEO, Black women.....	-0.000041	2861
CPS, farm women.....	-0.000042	3243
CPS, total or White births ¹ ..	-0.000006	3096
CPS, Black births ¹	0.000714	3028
CPS, Spanish-origin births ¹ ..	0.001386	4451

¹Apply a factor of 1.5 to these parameters for nonmetropolitan characteristics only.

Note when an estimate is a large subset of a given age-sex-race group. The standard errors of estimated numbers as calculated for this report are not applicable to estimates of total women by age or race. As estimates by age, sex and race are independently derived totals, they are not subject to any sampling error. Because of the use of ratio estimation, any published number which is a large subset of a given age-sex-race group (i.e., 50 percent or more) will have a sampling error smaller than that shown in table C-1. For such items, a closer approximation to the standard errors can be obtained by using the population of the age-sex-race group as the base of the percentage and converting the standard errors in table C-2 from percentages to numbers by multiplying them by the bases.

For example, table 2 of this report shows that in 1982 there were 15,299,000 currently married women 18 to 34 years old. If this figure was a subset of a considerably larger independent age-race group, the standard error on this estimate would be taken from table C-1. However, since the figure of 15,299,000 currently married women represents approximately 57.1 percent of the 26,810,000 total women 18 to 34 years old, a close approximation to the sampling error of 57.1 percent on a base of 26,810,000 is approximately 0.4 percent. Thus the standard error of 15,299,000 would be about 107,000 ($= 26,810,000 \times 0.004$).

Standard error of a median. The sampling variability of an estimated median depends upon the form of the distribution as well as the size of its base. An approximate method for measuring the reliability of an estimated median is to determine a confidence interval about it. (See the section on sampling variability for a general discussion of confidence intervals.) The following procedure may be used to estimate the 68-percent confidence limits of a median based on sample data. The limits from a 68-percent confidence interval are then used to obtain an approximate standard error of a median.

1. Determine, using the standard error tables and factors or formula (4) and table C-5, the standard error of the estimate of 50 percent from the distribution.
2. Add to and subtract from 50 percent the standard error determined in step 1.
3. Using the distribution of the characteristic, calculate the confidence interval corresponding to the two points established in step 2.
4. Once the limits of the 68-percent confidence interval are computed, the standard error of a median can be computed by the formula:

$$\sigma_{\text{median}} = \frac{U-L}{2}$$

where U = upper limit of the 68-percent confidence interval, and
L = lower limit of the 68-percent confidence interval.

Note: When combining two or more distributions, the median of the new distribution must be computed by the user. The median is the estimate for the woman at the center of the distribution and may be approximated by linear interpolation within the group which contains this woman.

The 95-percent confidence interval may be determined by finding the value corresponding to twice the standard error determined in step 1.

Illustration of the computation of the standard error of a median. Table 14 of this report shows that in 1982 the median

age at birth of the first child for mothers 25 to 29 years old is 21.2 years. Table 14 also indicates the base of the distribution from which this median was determined is 6,298,000 mothers.

1. Using formula (4), the standard error of 50 percent on a base of 6,298,000 is about 0.8 percent.
2. To obtain a 68-percent confidence interval on the estimated median, add to and subtract from 50 percent the standard error found in step 1. This yields percent limits of 49.2 and 50.8
3. From table 14, 37.7 percent of these mothers were under 20 years old at the birth of their first child and 20.9 percent were 20 or 21 years old at the birth of their first child. By linear interpolation, the lower limit (of the 68-percent confidence interval) on the estimate is found to be about

$$20 + (22-20) \frac{(49.2-37.7)}{20.9} \doteq 21.10$$

Similarly, the upper limit may be found by linear interpolation to be about

$$20 + (22-20) \frac{(50.8-37.7)}{20.9} \doteq 21.25$$

Thus, the 68-percent confidence interval on the median age at first birth for mothers 25 to 29 years old is from 21.10 to 21.25.

4. The standard error of the median is, therefore,

$$(21.25-21.10)/2, \text{ i.e., } 0.08$$

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.

INTERVIEWER CHECK ITEM Only CPS-1 for household <input type="checkbox"/> First CPS-1 of continuation n'hoid. <input type="checkbox"/> Second CPS-1 of continuation n'hoid. <input type="checkbox"/> Third, fourth, and fifth CPS-1 <input type="checkbox"/>	FORM CPS-1 <div style="text-align: center;">  U.S. DEPARTMENT OF COMMERCE Bureau of the Census CURRENT POPULATION SURVEY </div> Form Approved - O.M.B. No. 0607-0049 Folic 26.1-1	CONTROL NUMBER PSU SEQUENT SERIAL
LINE NO. OF H'HOLO RESP. NON H'HOLO RESPONDENT <input type="checkbox"/> <i>(Specify and Send Intercomm)</i> <hr/> INTERVIEW ANY ENTRY OTHER THAN <input type="checkbox"/> YES NEVER WORKED IN ITEMS <input type="checkbox"/> 23A-E in this CPS-1 <input type="checkbox"/> NO NONINTERVIEW TYPE A <input type="checkbox"/> TYPE B <input type="checkbox"/> TYPE C <input type="checkbox"/> <i>(SEND INTER COMM)</i>		

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POPULATION

SURVEY

JUNE 1993

Page 1

CHILDREN'S (0-13 years old): TRANSCRIPTION ITEMS
(If more than 4 children in household, use continuation CPS-1 document.)

FIRST CHILD				
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PARENT'S LINE NUMBER	18D. AGE	18E. SEX Male Female
1	Own Child	1	1	1
2	Brother/Sister	2	2	2
3	Other relative of Reference Person	3	3	3
4	Nonrel. of Reference Person-WITH OWN RELS. in household	4	4	4
5	Nonrel. of Reference Person-NO OWN RELS. in household	5	5	5
6	None	6	6	6

SECOND CHILD				
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PARENT'S LINE NUMBER	18D. AGE	18E. SEX Male Female
1	Own Child	1	1	1
2	Brother/Sister	2	2	2
3	Other relative of Reference Person	3	3	3
4	Nonrel. of Reference Person-WITH OWN RELS. in household	4	4	4
5	Nonrel. of Reference Person-NO OWN RELS. in household	5	5	5
6	None	6	6	6

THIRD CHILD				
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PARENT'S LINE NUMBER	18D. AGE	18E. SEX Male Female
1	Own Child	1	1	1
2	Brother/Sister	2	2	2
3	Other relative of Reference Person	3	3	3
4	Nonrel. of Reference Person-WITH OWN RELS. in household	4	4	4
5	Nonrel. of Reference Person-NO OWN RELS. in household	5	5	5
6	None	6	6	6

FOURTH CHILD				
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PARENT'S LINE NUMBER	18D. AGE	18E. SEX Male Female
1	Own Child	1	1	1
2	Brother/Sister	2	2	2
3	Other relative of Reference Person	3	3	3
4	Nonrel. of Reference Person-WITH OWN RELS. in household	4	4	4
5	Nonrel. of Reference Person-NO OWN RELS. in household	5	5	5
6	None	6	6	6


ARMED FORCES MEMBER TRANSCRIPTION ITEMS
(Fill only in military household for person with AF in CC Item 22)
(If more than 2 AF persons in household, use continuation CPS-1 document.)

FIRST ARMED FORCES MEMBER				
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PARENT'S LINE NUMBER	18D. AGE	18E. MARITAL STATUS
1	Reference Person WITH other relatives in household	1	1	1
2	Reference Person WITH NO other relatives in household	2	2	2
3	Husband	3	3	3
4	Wife	4	4	4
5	Own child	5	5	5
6	Parent	6	6	6
7	Brother/Sister	7	7	7
8	Other rel. of Ref. Person	8	8	8
9	Nonrel. of Ref. Person WITH OWN relatives in household	9	9	9
10	Nonrel. of Ref. Person WITH NO OWN relatives in household	10	10	10

18F. SPOUSE'S LINE NO.	18G. SEX Male Female	18H. HIGHEST GRADE ATTENDED	18I. GRADE COMPLETED	18J. RACE	18K. ORIGIN
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10

SECOND ARMED FORCES MEMBER				
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PARENT'S LINE NUMBER	18D. AGE	18E. MARITAL STATUS
1	Reference Person WITH other relatives in household	1	1	1
2	Reference Person WITH NO other relatives in household	2	2	2
3	Husband	3	3	3
4	Wife	4	4	4
5	Own child	5	5	5
6	Parent	6	6	6
7	Brother/Sister	7	7	7
8	Other rel. of Ref. Person	8	8	8
9	Nonrel. of Ref. Person WITH OWN relatives in household	9	9	9
10	Nonrel. of Ref. Person WITH NO OWN relatives in household	10	10	10

18F. SPOUSE'S LINE NO.	18G. SEX Male Female	18H. HIGHEST GRADE ATTENDED	18I. GRADE COMPLETED	18J. RACE	18K. ORIGIN
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10

1. INTERVIEWER CHECK ITEM Only CPS-1 for household First CPS-1 of continuation h'ld Second CPS-1 of continuation h'ld Third, fourth, etc CPS-1		FORM CPS-1  U.S. DEPARTMENT OF COMMERCE Bureau of the Census CURRENT POPULATION SURVEY Form Approved - O.M.B. No. 0507-0049		2. SAMPLE A B C D E : : : : :		3. CONTROL NUMBER : : : : :																	
MONTH : : : YEAR : : :		4. TYPE OF LIVING QUARTERS <div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> HOUSING UNIT House, apartment, flat HU in nontransient hotel, motel, etc. HU, permanent, in transient hotel, motel, etc. HU in rooming house Mobile home or trailer HU not specified above (Describe below) </div> <div style="width:45%;"> OTHER UNIT Quarters not HU in rooming or boarding house Unit not permanent in transient hotel, motel, etc. Tent site or trailer site Other not HU (Describe below) </div> </div>		5a. LAND USAGE (Transcribe from C.C. item 10 or 11) A : : : : : B : : : : : C : : : : : D : : : : :		5b. FARM SALES (Transcribe from C.C. item 12) A : : : : : B : : : : : C : : : : : D : : : : :		6. PSU NO. : : : : :		7. SEGMENT NO. : : : : :		8. SERIAL NO. : : : : :		9. HOUSEHOLD NO. : : : : :									
10. INTERVIEWER CODE A B C D E F G H J K L M : : : : :																							
11. DATE COMPLETED : : / : : / : :																							
12. LINE NO. OF HHOLD RESP. : : : : : Non h'ld resp (Specify) (Send Inter Comm)																							
13. TYPE INTERVIEW Noninterview Personal Tel - regular Tel - callback ICR files		<div style="display: flex; justify-content: space-between;"> <div style="width:30%;"> 14. (Mark reason and race) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>REASON</th> <th>RACE</th> </tr> <tr> <td>No one home</td> <td>White</td> </tr> <tr> <td>Temporarily absent</td> <td>Black</td> </tr> <tr> <td>Refused</td> <td>All other</td> </tr> <tr> <td>Other - Occ (Describe below)</td> <td></td> </tr> </table> </div> <div style="width:35%;"> 15. Vacant - regular Vacant - storage of h'ld furniture Temp. occ. by persons with URE Unit or to be demolished Under construction, not ready to temp. business or storage Occ. by Armed Force members or persons under 14 Unoccupied tent site or trailer site Permit granted, construction not started Other (Specify below) </div> <div style="width:30%;"> 16. Demolished House or trailer moved Outside segment Converted to permanent business or storage Merged Condemned Built after April 1, 1970 Unused line of listing sheet Other (Describe below) </div> </div>												REASON	RACE	No one home	White	Temporarily absent	Black	Refused	All other	Other - Occ (Describe below)	
REASON	RACE																						
No one home	White																						
Temporarily absent	Black																						
Refused	All other																						
Other - Occ (Describe below)																							
		17. This unit is intended for occupancy: Year round By migratory workers Seasonally Summers only Winters only Other (Describe below)																					
TRANSCRIPTION ITEMS Fill on FIRST CPS-1 of interviewed household																							
26. TENURE (Transcribe from Control Card item 9) Owned or being bought Rented No cash rent				USE OF TELEPHONE 27C. Telephone in Household (Transcribe from C.C. item 30e) Yes : (Skip to 27E) No : (Fill 27D)				NOTES															
27A. TOTAL FAMILY INCOME (From Control Card item 33) A : E : I : M : B : F : J : N : C : G : K : D : H : L :				27D. Telephone Available (Transcribe from C.C. item 30b) Yes : (Fill 27E) No : (End telephone transcription)																			
27B. INTERVIEWER CHECK ITEM (Rotation Number) First digit of Segment Number is B 1, 2, or 3 (Fill 27C) A, 5, 6, or 7 (Transcribe items 18A-18K on pages 2, 5, 7, 9, and 11)				27E. Telephone (Interview Applicable) (Transcribe from C.C. item 30d) Yes : (End telephone transcription) No :																			
				REMINDER Fill items 18A-18K on pages 2, 5, 7, 9, and 11.				CODER NUMBER A B C D E F G H J K L M : : : : :															

18. LINE NUMBER	19. What was ... doing 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 or in military, ask about unpaid work) Yes <input type="checkbox"/> No <input type="checkbox"/> (Go to 21)	21. (If in 19, skip to 21A.) Did ... have a job or business from which he/she was temporarily absent or on layoff LAST WEEK? Yes <input type="checkbox"/> No <input type="checkbox"/> (Go to 22)	22. (If LK in 19, skip to 22A.) Has ... been looking for work during the past 4 weeks? Yes <input type="checkbox"/> No <input type="checkbox"/> (Go to 24)	24. INTERVIEWER CHECK ITEM (Rotation number) First digit of SEGMENT number is: 1, 2, 3, 5, 6 or 7 (End questions) 4 or 8 (Go to 24A)	25. INTERVIEWER CHECK ITEM (Rotation number) First digit of SEGMENT number is: 1, 2, 3, 5, 6 or 7 (End questions) 4 or 8 (Go to 25A)
20C. Does ... USUALLY work 35 hours or more a week at this job? Yes <input type="checkbox"/> What is the reason ... worked less than 35 hours LAST WEEK? No <input type="checkbox"/> What is the reason ... USUALLY works less than 35 hours a week? (Mark the appropriate reason)	20A. How many hours did ... work LAST WEEK at all jobs? 20B. INTERVIEWER CHECK ITEM 49* (Skip to item 23) 1-34 (Go to 20C) 35-48 (Go to 20D)	20D. Did ... lose any time or take any time off LAST WEEK for any reason such as illness, holiday or sick work? Yes <input type="checkbox"/> How many hours did ... take off? (Correct 20A if lost time not already deducted, if 20A reduced below 35, correct 20B and fill 20C; otherwise, skip to 23.) No <input type="checkbox"/>	21A. Why was ... absent from work LAST WEEK? Own illness <input type="checkbox"/> On vacation <input type="checkbox"/> Bad weather <input type="checkbox"/> Labor dispute <input type="checkbox"/> New job to begin within 30 days (Skip to 22B and 22C) Temporary layoff (Under 30 days) Indefinite layoff (30 days or more or no def. recall date) (Skip to 22C) Other (Specify) _____	22A. What has ... been doing in the last 4 weeks to find work? (Mark all methods used; do not read list.) Checked with: Job employ agency <input type="checkbox"/> Priv. employ agency <input type="checkbox"/> Employer directly <input type="checkbox"/> Friends or relatives <input type="checkbox"/> Placed or answered ads. <input type="checkbox"/> Nothing (Skip to 24) Other (Specify in notes, e.g., CETA, union or prof. register, etc.) _____	24A. When did ... last work for pay at a regular job or business, either full- or part-time? Within past 12 months <input type="checkbox"/> 1 up to 2 years ago <input type="checkbox"/> 2 up to 3 years ago <input type="checkbox"/> (Go to 24B) 3 up to 4 years ago <input type="checkbox"/> 4 up to 5 years ago <input type="checkbox"/> 5 or more years ago <input type="checkbox"/> (Skip to 24C) Never worked <input type="checkbox"/> (Skip to 24C)	25A. How many hours per week does ... USUALLY work at this job?
20E. Did ... work any overtime or at more than one job LAST WEEK? Yes <input type="checkbox"/> How many extra hours did ... work? (Correct 20A and 20B as necessary if extra hours not already included and skip to 23.) No <input type="checkbox"/> (Skip to 23)	20F. INDUSTRY O F F I C E I N D U S T R Y Ref. M	20G. OCCUPATION O C C U P A T I O N Ref. Z	21B. Is ... getting wages or salary for any of the time off LAST WEEK? Yes <input type="checkbox"/> No <input type="checkbox"/> Self-employed <input type="checkbox"/> 21C. Does ... usually work 35 hours or more a week at this job? Yes <input type="checkbox"/> No <input type="checkbox"/> (Skip to 23 and enter job held last week)	22B. Why did ... start looking for work? Was it because ... lost or quit a job at that time (pause) or was there some other reason? Lost job <input type="checkbox"/> Quit job <input type="checkbox"/> Left school <input type="checkbox"/> Wanted temporary work <input type="checkbox"/> Other (Specify in notes) _____	24B. Why did ... leave that job? Personal, family (incl. pregnancy) or school <input type="checkbox"/> Health <input type="checkbox"/> Retirement or old age <input type="checkbox"/> Seasonal job completed <input type="checkbox"/> Sick work or business conditions <input type="checkbox"/> Temporary nonseasonal job completed <input type="checkbox"/> Unsatisfactory work arrangements (Hours, pay, etc.) <input type="checkbox"/> Other <input type="checkbox"/>	25B. Is ... paid by the hour on this job? Yes <input type="checkbox"/> (Go to 25C) No <input type="checkbox"/> (Skip to 25D)
20H. (Skip to 23 and enter job worked at last week)	20I. (Skip to 23 and enter job worked at last week)	20J. (Skip to 23 and enter job worked at last week)	20K. (Skip to 23 and enter job worked at last week)	20L. (Skip to 23 and enter job worked at last week)	20M. (Skip to 23 and enter job worked at last week)	20N. (Skip to 23 and enter job worked at last week)
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.)	23E. Was this person An employee of PRIVATE Co., bus., or individual for wage, salary or comm. P <input type="checkbox"/> A FEDERAL government employee F <input type="checkbox"/> (Go to 23F) A STATE government employee S <input type="checkbox"/> A LOCAL government employee L <input type="checkbox"/> Self-empl. in OWN bus., prof. practice, or farm <input type="checkbox"/> Is the business incorporated? Yes <input type="checkbox"/> No <input type="checkbox"/> SE <input type="checkbox"/> Working WITHOUT PAY in farm, bus. or farm. WP <input type="checkbox"/> (End questions) NEVER WORKED NEV <input type="checkbox"/> (End questions)	23F. INTERVIEWER CHECK ITEM Entry for NA1 in item 20A <input type="checkbox"/> (Go to 25 at top of Page) Entry for NA1 in item 21B <input type="checkbox"/> All other cases (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 Vets. Status)	E H C	Yes	1 White	
	Reference Person WITH NO other relatives in household			Married - Armed Forces spouse present				No	2 Black	
	Husband			Married - spouse absent (Exclude separated)		Vietnam Era			3 Amer. Indian, Alut. Eskimo	
	Wife			Widowed		Korean War			4 Asian or Pacific Is.	
	Own child			Divorced		World War I			5 Other	
	Parent			Separated		Other Service				
	Brother/Sister			Never married		Nonveteran				
	Other rel. of Ref. Person									
	Nonrel. of Ref. Person WITH OWN relatives in household									
	Nonrel. of Ref. Person WITH NO OWN relatives in household									

SUPPLEMENT TRANSCRIPTION ITEM - FILL FOR EACH FEMALE

28. Month and Year of Women's birth
(C.L. items 17a and 17c)

Month	Year 19--
Jan	July
Feb	Aug
Mar	Sept
Apr	Oct
May	Nov
June	Dec

29. INTERVIEWER CHECK ITEM	LEAD IN: THIS MONTH WE ARE ASKING SOME ADDITIONAL QUESTIONS ABOUT HOW MANY CHILDREN WOMEN HAVE HAD AND IF THEY EXPECT ANY IN THE FUTURE	30. In what month and year did ... many for the first time?	31. How many babies has ... ever had, if any?	32. In what month and year was ...'s (first) child born?	33. In what month and year was ...'s last child born?	34. INTERVIEWER CHECK ITEM
This person is:		Month Year 19--	None (Skip to 34)	Month Year 19--	Month Year 19--	This woman is:
A)... Female 15-59 and has EVER been married		Jan	1	Jan	Jan	A) 15-44 years old
(Read lead-in) (Ask 30)		Feb	2	Feb	Feb	(Ask 35)
B)... Female 15-59 and never married		Mar	3	Mar	Mar	B) All others
(Read lead-in) (Skip to 31)		Apr	4	Apr	Apr	(End questions)
C)... All others		May	5	May	May	
(End questions)		June	6	June	June	
		July	7	July	July	
		Aug	8	Aug	Aug	
		Sept	9	Sept	Sept	
		Oct	10	Oct	Oct	
		Nov		Nov	Nov	
		Dec		Dec	Dec	

ASK ITEMS 35-38 OF THE WOMAN HERSELF - IF NOT PRESENT MAKE TELEPHONE OR PERSONAL CALLBACK(S)

35. Looking ahead, do you expect to have any (more) children?	36. How many (more) do you expect to have?	37. INTERVIEWER CHECK ITEM	38. How many (more) do you expect to have in the next 5 years?	39. Callback Status for items 35-38
Yes (Ask 36)	1	This woman is:	None	Callback not required
No (Skip to item 39)	2	A) Currently married	1	Callback required
Uncertain (Skip to item 39)	3	(Ask 38)	2	
	4	B) ... All others	3	
	5	(Skip to item 39)		
	6			

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)
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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, 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. (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, 376)
	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

	Transportation (continued)
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)
	Communications
440	Radio and television broadcasting (483)
441	Telephone (wire and radio) (481)
442	Telegraph and miscellaneous communication services (482, 489)
	Utilities and sanitary services
460	Electric light and power (491)
461	Gas and steam supply systems (492, 496)
462	Electric and gas, and other combinations (493)
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

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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 programs (95)
931	Administration of economic programs (96)
932	National security and international affairs (97)
991	Member of the Armed Forces

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)

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)	

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

	Writers, Artists, Entertainers, and Athletes
183	Authors (321)
184	Technical writers (398)
185	Designers (322)
186	Musicians and composers (323)
187	Actors and directors (324)
188	Painters, sculptors, craft-artists, and 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)

Sales Occupations	
243	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)

829 Sailors and deckhands (8243)
833 Marine engineers (8244)
834 Bridge, lock, and lighthouse tenders (8245)

Material Moving Equipment Operators
843 Supervisors, material moving equipment operators (812)
844 Operating engineers (8312)
845 Longshore equipment operators (8313)

Material Moving Equipment Operators (continued)
848 Hoist and winch operators (8314)
849 Crane and tower operators (8315)
853 Excavating and loading machine operators (8316)
855 Grader, dozer, and scraper operators (8317)
856 Industrial truck and tractor equipment operators (8318)
859 Miscellaneous material moving equipment operators (8319)

Handlers, Equipment Cleaners, Helpers, and Laborers
863 Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
864 Helpers, mechanics and repairers (863)
Helpers, Construction and Extractive Occupations
865 Helpers, construction trades (8641-8645, 8648)
866 Helpers, surveyor (8646)
867 Helpers, extractive occupations (865)
869 Construction laborers (871)
873 Production helpers (861, 862)
Freight, Stock, and Material Handlers
875 Garbage collectors (8722)
876 Stevedores (8723)
877 Stock handlers and baggers (8724)
878 Machine feeders and offbearers (8725)
883 Freight, stock, and material handlers, n.e.c. (8726)
885 Garage and service station related occupations (873)
887 Vehicle washers and equipment cleaners (875)
888 Hand packers and packagers (8761)
889 Laborers, except construction (8769)

905 Member of the Armed Forces

Covered Population Survey (CPS) (Fertility and Birth Expectations), Done 1983

***FI18 PRINT OF HEADER LABELS:

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