

CURRENT POPULATION SURVEY, MAY 1985
WORK SCHEDULES, MULTIPLE JOBHOLDING, AND PREMIUM PAY

TECHNICAL DOCUMENTATION

This file documentation consists of the following materials:

Attachment 1	Abstract
Attachment 2	Overview--Current Population Survey
Attachment 3	Glossary
Attachment 4	Note to Users
Attachment 5	Current Population Survey Adult Interview Record Layout
Attachment 6	Current Population Survey Children's Interview Record Layout
Attachment 7	Current Population Survey Noninterview Type A Record Layout
Attachment 8	Current Population Survey Noninterview Type B-C Record Layout
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Attachment 13	Questionnaire Facsimile
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Attachment 15	Source and Reliability of the Estimates

NOTE

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

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

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

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Attachment 15	Appendix 1--Specific Metropolitan Identifiers
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Redesign of the Sample for the Current Population Survey

(From the May 1984 issue of EMPLOYMENT and EARNINGS)

•Kathleen P. Creighton and Robert Wilkinson

The Current Population Survey (CPS), sponsored by the Bureau of Labor Statistics and conducted by the Bureau of the Census, is a sample survey conducted monthly to obtain reliable estimates of labor force characteristics of the population of working age.

Since the inception of the CPS in 1940, the sample has been redesigned several times, most recently in the early 1970's, to upgrade the quality and reliability of the data and to meet changing data needs. Beginning in April 1984, the current design is being phased out through a series of changes that will be completed in July 1985. This article discusses the scope and nature of these changes and their impact upon the survey methodology and the estimates derived from the CPS.

There are three important reasons for redesigning the CPS at this time: (1) To make use of data from the 1980 census in order to update the sampling frame, as is done after every decennial census; (2) to take advantage of recent research findings to improve the efficiency and quality of the survey; and (3) to meet the increased need for State data. Improved estimation procedures will also be introduced as an adjunct to the redesign.

New design objectives

The CPS is a monthly probability sample based on a stratified sampling scheme. In the first stage of sampling, primary sampling units (PSU's) are selected. These PSU's correspond to substate areas, usually counties or groups of counties, and are grouped into clusters called strata. Within each stratum, a single PSU is chosen for the sample, with probability proportional to its population as of the most recent decennial census. This PSU represents the entire stratum from which it was selected. In the case of strata consisting of only one PSU, the PSU is chosen with certainty.

At the time it was put into place, the current (1970) design was intended to provide reliable national estimates of labor force characteristics. Strata were defined within four regions of the United States, with many strata crossing State boundaries. Beginning in the mid-1970's, more accurate estimates of State labor force

data were needed. Because the national design was unable to provide these estimates at the desired level of reliability for all States, additional sample areas were selected to achieve this goal. Although the resulting sample design was an efficient solution to a short-term problem, it was not the best design for producing both State and national estimates.

The redesign provides the first opportunity to increase efficiency for State data. The first step, as recommended by the National Commission on Employment and Unemployment Statistics,¹ is to introduce a "State-based" design. All strata are defined within State boundaries, and the sample is allocated among the States to produce State and national estimates with the required reliability while keeping total sample size to a minimum. Improved reliability of State data will be achieved with about the same sample size as in the 1970 design. A byproduct of the increased reliability for State estimates will be gains in accuracy for data on persons of Hispanic origin as well.

Specific goals for the new design include:

1. Maintaining the same reliability as the 1970 design on national monthly estimates of levels and changes for the labor force by major characteristics,
2. Reducing the coefficient of variation (CV) for annual State estimates of the total number of unemployed persons to 8 percent, at a 6-percent unemployment rate, and
3. Reducing the CV for monthly State estimates of the total number of unemployed persons in the 11 largest States (California, Florida, Illinois, Massachusetts, Michigan, New Jersey, New York, North Carolina, Ohio, Pennsylvania, and Texas) to 8 percent, assuming a 6-percent unemployment rate.

In addition to meeting the changing survey objectives, the new design uses the 1980 decennial census as the main sampling frame. This use of more recent information in forming and selecting the new PSU's improves the efficiency of the design.

* Kathleen P. Creighton is a Supervisory Survey Statistician in the Demographic Surveys Division and Robert Wilkinson is a Mathematical Statistician in the Statistical Methods Division, Bureau of the Census.

¹ National Commission on Employment and Unemployment Statistics, *Counting the Labor Force* (Washington, D.C., U.S. Government Printing Office, Labor Day 1979). pp. 128-29.

The efficiency and quality of the new design will also be enhanced by incorporating the findings of research conducted since the 1970 design was implemented. For example, improved procedures were used in stratifying the sample.²

Finally, improved estimation procedures will be introduced into the CPS in January 1985. Although incidental to the redesign process, these changes will increase the reliability of estimates obtained when the new design is in place.

Phase-in of the new design

The phase-in of the new design will take place in two waves. The first will involve "continuing" areas, those selected in both the old and new design. The sampling frame in these areas is being updated beginning in April 1984 and continuing through July 1985. Ninety percent of the entire sample is in "continuing" areas.

The second wave involves changing the areas selected for sampling. From November 1984 through June 1985, some areas newly selected will gradually replace some selected in the old design but not in the new one. Sample households selected from address lists obtained from the 1980 census will replace households selected from the 1970 census lists and from permits for new residential construction issued since 1970.

The redesigned sample will contain 729 out of a total of 1,973 geographic areas in the United States. In the 1970 design, 629 areas were chosen to represent the 1,924 areas into which the country was divided. The areas used in the 1970 and 1980 designs are not completely comparable because many of the sample areas were redefined for 1980. This redefinition was carried out for a number of reasons. Primary among these was the shift from a sample designed to produce national estimates to one designed to produce both State and national estimates. In addition, some sampling areas were redefined to correspond to the new metropolitan area definitions, and others were redefined to improve efficiency in field operations, as explained later.

In both the 1970 and 1980 designs, the sample is divided into eight approximately equal rotation groups. The 1980 CPS design uses the same rotation pattern as the 1970 design, in which a rotation group is interviewed for 4 consecutive months, temporarily leaves the sample for 8 months, and then returns for 4 more consecutive months before retiring permanently from the CPS (after a total of eight interviews).

Continuing areas. From April 1984 through July 1985, the new CPS design will be phased in for continuing

² Some of the technical changes being made in the sample design and estimation procedures are described in detail by Gary M. Shapiro in "Planned Improvements in the Redesign of Census Bureau Demographic Surveys as the Result of Research." *Proceedings of the Section on Survey Research Methods of the American Statistical Association*, 1982, pp. 193-98.

areas one rotation group at a time. This consists of gradually replacing sample materials selected from the 1970 census-based frame with materials selected from the 1980 census-based frame. This gradual phase-in minimizes effects on the continuity of the CPS data series. In the replacement process, sample sizes within individual areas may change, but the total sample size for the survey will remain about the same. Each month from April through July 1984, an additional rotation group of the new sample will be phased in. By July 1984, half the sample in continuing areas will be obtained from the new design. Due to the rotation pattern, this proportion will not change between July 1984 and April 1985. Then, from April through July 1985, the old design sample will again be replaced by the new design sample at the rate of one rotation group per month. In July 1985, the phase-in of the new sample will be complete. This pattern is depicted in table 1.

New sample areas. In November 1984, the new sample areas will begin to replace the outgoing areas. The effects of this change are expected to be minor, because the sample in new and outgoing areas accounts for only about 10 percent of the national estimate. As shown in table 1, from November 1984 through February 1985, the new areas will be introduced at the rate of one rotation group per month. From March through June 1985, two rotation groups in the new areas will be phased in each month. One of these will replace a retiring rotation group from the old design, and the other will replace a rotation group from the old design that would otherwise have returned to the sample for its fifth interview. For this reason, the normal rotation pattern in these areas will not be preserved during this period. The replacement of outgoing areas with new areas will be completed

Table 1. Rotation group redesign scheme

Year and month	Continuing PSU's (90 percent)		Replacement PSU's (10 percent)		Overall percent of households on 1980 design
	New sample rotations	Old sample rotations	New sample rotations	Old sample rotations	
1984:					
Apr	1	7	0	8	11.0
May	2	6	0	8	22.0
June	3	5	0	8	33.0
July	4	4	0	8	44.0
Aug	4	4	0	8	44.0
Sept	4	4	0	8	44.0
Oct	4	4	0	8	44.0
Nov	4	4	1	7	45.5
Dec	4	4	2	6	47.0
1985:					
Jan	4	4	3	5	48.5
Feb	4	4	4	4	50.0
Mar	4	4	5	3	51.0
Apr	5	3	6	2	64.0
May	6	2	7	1	77.5
June	7	1	8	0	89.0
July	8	0	8	0	100.0

in June 1985, one month before the phase-in of continuing areas is completed.

As the new areas are phased in, the weighting factors used in computing estimates must be updated to account for the change in areas included in the sample. These factors include the noninterview adjustment and the first-stage estimation procedure. (See the Explanatory Notes for descriptions of these procedures.) These updated factors will be introduced into the estimation process at the same rate as the new sample areas are introduced into the sample.

Effects of the changeover

Field operations. Because new areas will be phased into the sample and some old areas will be dropped, increased hiring and training of the interviewing staff, as well as some dismissals, will be required during this time period. To minimize the possible impact of an influx of inexperienced interviewers into the CPS program, training of interviewers for new areas will include a 3-month period during which they will be given assignments but their work will be excluded from the actual estimates. By the fourth month, they will have completed 3 months of trial interviewing, a 3-day classroom training session, and 4 months of home study. At this point, the data collected from the new interviewers' assignments will be included in the monthly estimates.

Efforts also will be made to maintain the experienced staff of interviewers who will be affected by the phase-out of certain sample areas, either by offering work in adjacent, continuing sample areas or by offering work on other programs. In any event, these interviewers will be notified in advance of the phase-out of their sample areas. Their work during this period will be closely monitored to avoid any adverse impact that their anticipation of termination may have on the data.

A consequence of the redesign is the introduction of new sample forms and control cards for use in the 1980 sample areas. Since the basic labor force questionnaire will remain unchanged, changes to these other forms will have no impact on the actual labor force data.

Continuity of data series. Two aspects of introducing the new CPS design have the potential of affecting published estimates. These are the temporary disruption of the rotation pattern from March through June 1985 for a comparatively small portion of the overall sample and the actual change in sample areas. In addition, the concurrent improvements in the estimation procedure and the use of updated definitions of metropolitan areas, both planned for January 1985, will have some effect on CPS data series.

Labor force estimates in the CPS are affected by changes in the rotation pattern because of a relationship between the number of times a rotation group has been

interviewed and the expected value of the estimate obtained from the group. Normally, the eight rotation groups contributing to the published estimate are evenly distributed in terms of the number of times they have been in the sample, from one through eight. However, when the new areas are phased in at the rate of two rotation groups at a time, this even distribution by time in sample is lost. For example, in March 1985, two rotation groups will be in sample for the first time and none for the fifth time. Since published CPS estimates represent averages of the eight rotation group estimates, a change in the time-in-sample distribution from 1 month to another will cause a difference between the overall estimates for those months, even though the actual value of the characteristic being estimated may not have changed at all. Similarly, this effect might mask real differences between estimates. The Bureau of the Census and BLS have examined the potential effects of this disruption to the rotation pattern on major published estimates and expect them to be negligible.

In addition to the temporary phase-in effect discussed above, the new design may produce some small permanent differences, particularly in State estimates. These differences are the result of restratifying the sampling frame within each State for the 1980 design, selecting a different set of sample PSU's to represent each State, and adjusting the weighting factors to reflect this change. These differences may appear to be discontinuities in the CPS data series but are in fact manifestations of between-PSU variation. The most notable estimate likely to be affected by the change in sample areas is agricultural employment, but the effect is expected to be small.

The introduction of new sample areas also will cause a slight increase in the variance of year-to-year change estimates published in 1985 and 1986. This is because the overlapping sample between CPS estimates for the same month, 1 year apart, will decrease from the usual 50 percent to a minimum of 45 percent. The decrease in the sample overlap occurs in equal increments, beginning in March 1985. The minimum overlap of 45 percent occurs from June through October 1985, after which the overlay increases in equal increments to 50 percent in February 1986. For characteristics concentrated in areas represented by new and outgoing PSU's, this increase in the variation of year-to-year change estimates will be larger. The sample changes will have no effect on the variance of month-to-month change estimates.

As indicated earlier, improvements in the estimation procedures are being introduced, quite apart from the redesign itself, effective with data for January 1985. These improvements—involving the second-stage ratio adjustment and composite estimation procedures—are expected to increase the accuracy of the estimates. They may be noticed as slight differences in the published estimates at the time of introduction in January 1985.

Finally, changes in the definitions of metropolitan areas, discussed in detail below, will increase the CPS estimates of metropolitan populations at both the State and national levels and, correspondingly, decrease the nonmetropolitan area population.

Metropolitan areas. Most of the known impact on estimates during and after the sample redesign will be the result of changing from 1970 to 1980 geographic definitions. The sample based on the 1980 design will incorporate the geographic definitions from the 1980 census, while the sample based on the 1970 design will continue to incorporate 1970 census definitions. To minimize the impact on these estimates and to insure that the entire sample reflects consistent area definitions, the 1980 definitions will be converted to 1970 equivalent designations through December 1984. For example, if a 1980 sample area is inside a metropolitan area based on 1980 census data but outside a metropolitan area based on 1970 census data, it would be considered nonmetropolitan until the change is made to the new geographic definitions in January 1985. At that time, the reverse of this geographic conversion will occur. The geographic information for the remaining sample selected from the 1970 sampling frame will be converted to reflect the new definitions.

The geographic conversions described above should have little or no impact on the national metropolitan-nonmetropolitan estimates through the third quarter of this year. Some variability in the data for the subsequent three quarters will occur as new sample areas are phased in and old areas are phased out.

Another feature associated with the introduction of updated geographic definitions into the CPS is the use of new terminology for metropolitan areas—Metropolitan Statistical Areas (MSA's), Consolidated Metropolitan Statistical Areas (CMSA's), and Primary Metropolitan Statistical Areas (PMSA's). These terms replace the 1970

terms, Standard Metropolitan Statistical Areas (SMSA's) and Standard Consolidated Statistical Areas (SCA's). An MSA stands alone and is not closely associated with other metropolitan areas. MSA's typically are surrounded by nonmetropolitan counties and have either a city or an urbanized area with a population of at least 50,000 and a total population of at least 100,000. If an area has a population of more than 1 million and meets certain other requirements, it is termed a CMSA. CMSA's consist of major components called PMSA's.³

In January 1985, 1980 census geographic definitions will be used for the entire sample, and the 1983 metropolitan-nonmetropolitan area designations based on 1980 census results will be introduced. This will affect the quarterly published estimates of the metropolitan population, since the number of metropolitan areas increased from 243 under 1970 definitions to 318 areas under 1983 definitions. After completion of the sample phase-in, estimates of the total metropolitan population will be approximately 20 million higher than at present because of the use of the new definitions for metropolitan areas. The impact on CPS data for specific metropolitan areas—which, except for New York and Los Angeles, are published on an annual average basis—will vary according to how each is affected by any 1983 redefinition.

Some geographic classifications, however, cannot be readily converted to 1970 (or 1980) equivalents. These include poverty and nonpoverty areas and urban and rural areas. Since 1974, quarterly and annual estimates for poverty and nonpoverty areas based on 1970 census definitions have been a regular feature of this publication; as indicated in table A-69 of the April 1984 issue, publication of these data is being suspended until the fourth quarter of 1985, at which time all data will be based on the new design.

³ A complete listing of 1983 MSA's, CMSA's and, PMSA's is available in the Office of Management and Budget Release 83-20.



CURRENT POPULATION SURVEY, MAY 1985:
WORK SCHEDULES, MULTIPLE JOBHOLDING, AND PREMIUM PAY

USER NOTE NO. 1

During the period April 1984 through June 1985, the Bureau of the Census is systematically introducing a new sample design for the Current Population Survey (CPS) based on the results of the 1980 Decennial Census. During this phase-in period, CPS estimates are being made from two distinct sample designs; i.e., the old 1970 sample design and the new 1980 design. While most CPS estimates have been unaffected by this mixed sample, metropolitan/nonmetropolitan estimates and certain other CPS geographic estimates have been affected.

The causes of this increase in variability of geographic estimates are differences in coverage between the two designs and the different metropolitan definitions used in the selection process of each sample design. The old design used April 1, 1970 metropolitan definitions in its sample selection while the selection of the new design used anticipated June 30, 1983 metropolitan definitions. This situation is exacerbated by the fact that the mix of the designs (that is, the percent of each design in sample) changes during the phase-in period as more new design households are introduced. Even though the data from the new design have been recoded to reflect the 1970 metropolitan definitions, the net result of the different definitions in combination with differences in coverage between the two designs is an increase in the variability of estimates using geographic data during this period. Due to this, the Bureau recommends that users exercise extreme caution when analyzing any tabulations or comparisons using the below listed variables during this phase-in period. Also note that files containing data collected after the CPS microdata files are revised to reflect the redesign will be coded to reflect the June 30, 1984 metropolitan definitions, thus precluding comparisons of such data with geographic data collected during or before the phase-in period.

<u>Variable</u>	<u>April 84-June 85 Non-Match Files Location</u>	<u>March 1985 Location</u>
Farm/Nonfarm	Word 8, Chars. 1-4	Character H-56
SMSA Rankings (44 Individual SMSA's)	Word 4, Chars. 3-4	Characters H-43-48
SMSA STATUS Code	Word 26, Char. 1	Character H-49
Central City Status Code	Word 26, Char. 2	Character H-50
SMSA Size	Word 26, Char. 4	Character H-51

Call Donna Kostanich on (301) 763-2653 for further information regarding CPS sample redesign.



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

Current Population Survey: May 1985
Work Schedules, Multiple Jobholding, and Premium Pay

User Note No. 2

Attached is the statement on the source of the data and the reliability of the estimates for the May 1985 supplement, public use tape. Please add this section to your documentation and replace the table of contents with the attached corresponding page.

November 1986



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

Current Population Survey, May 1985
Work Schedules, Multiple Jobholding, and Premium Pay

User Note No. 3

Please replace attachments 5-9 in your May 1985 CPS documentation with the attached correct record layouts (Beginning January 1984).

In addition, attachments 15 and 16 are not applicable to the May 1985 file and should be removed from the documentation. A revised table of contents is included with this user note.

NOTE: Above pages were replaced in the documentation with the revised sheets.

April 1987

Attachment 1

ABSTRACT

Current Population Survey, May 1985:
Work Schedules, Multiple Jobholding, and
Premium Pay [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],
1986.

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.

Information on work schedules provides data on the usual number of hours worked daily and weekly, usual number and specific days worked weekly, starting and ending times of an individual's work day, and whether these beginning and ending times could be varied. For other than a regular work schedule, the main reason and length of time a particular schedule or shift was worked are given.

Questions dealing with overtime include number of extra hours worked and rate of pay.

For dual jobholders, data provided include starting and ending times of the work day, number of weekly hours worked, earnings, occupation, industry, and main reason for working more than one job.

Appearing for the first time in the CPS are questions about primary job related activities completed at home and temporary work.

GEOGRAPHIC COVERAGE:

All States are identified and ranked by population size (1980). Metropolitan and nonmetropolitan status indicators are provided except where suppression is required for confidentiality reasons.

TECHNICAL DESCRIPTION:

FILE STRUCTURE: Rectangular.

FILE SIZE: 165,498 logical records; 600 character logical record length.

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

REFERENCE MATERIALS:

"Current Population Survey, May 1985: Work Schedules, Multiple Jobholding, and Premium Pay Technical Documentation." Documentation contains this abstract, a questionnaire facsimile, and record layouts of the file. One copy accompanies each file order. Additional copies are available for \$5 each from Data User Services Division, Customer Services (Tapes), Bureau of the Census, Washington, D.C. 20233.

Bureau of the Census. The Current Population Survey: Design and Methodology (Technical Paper 40) (out of print). Describes in detail the sample design and survey procedures used as well as accuracy of estimates and sampling errors. Reference copies should be available from most public libraries or Federal Depository Libraries. It also is available on microfiche and microfiche paperprints from Customer Services, Data User Services Division (Microfiche), Bureau of the Census, Washington, D.C. 20233. [2 microfiche - \$5; 179 pages (paperprints) - \$33.] Make checks payable to Commerce-Census.

RELATED PRINTED REPORTS:

Bureau of Labor Statistics. Employment and Earnings, June 1985. The employment information in Section A of this publication is derived from the Current Population Survey, May 1985. Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Price: \$3.75.

Bureau of Labor Statistics. Employment and Earnings, February 1985. "Changes in Estimation Procedure in the Current Population Survey Beginning in January 1985" on page 15. Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Price: \$3.75.

RELATED MACHINE-READABLE DATA FILES:

Current Population Survey, May (year). Similar data are available for each year 1969-1981.

FILE AVAILABILITY:

The file may be ordered from Data User Services Division using the Customer Services order form for tapes on the following page. The following technical options are available at a cost of \$140 (\$175 effective 11/1/86) per reel.

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

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*One copy of the Technical Documentation is sent at no extra charge with tape orders.

TOTAL \$

Characteristics of Tape (Check One):
 9 track, 1600 bpi, EBCDIC 9 track, 6250 bpi, EBCDIC
 9 track, 1600 bpi, ASCII 9 track, 6250 bpi, ASCII
Labeling (Check One): Standard Unlabeled
 Maximum block size (if less than 32K bytes)? _____

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OVERVIEW—CURRENT POPULATION SURVEY

Introduction

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

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

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

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

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

CPS Sample

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

In all, some 71,000 housing units or other living quarters are assigned for interview each month; about 58,000 of them containing approximately 122,000 persons 14 years old and over are interviewed. Also included are demographic data for approximately 34,000 children 0-13 years old within these households. The remainder of the assigned housing units are found to be vacant, converted to nonresidential use, contain persons with residence elsewhere, or are not interviewed because the residents are not found at home after repeated calls, are temporarily absent, or are unavailable for other reasons. Approximately 13,000 noninterview households are present each month. The resulting file size is approximately 170,000 records. A more precise explanation regarding the CPS sample design is provided in Technical Paper 40, The Current Population Survey: Design and Methodology.

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

Relationship of Current Population Survey Files to Publications

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

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

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

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

Geographic Limitations

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

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

Weights

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

1. Noninterview adjustment. The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups--two race categories (White, and Black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent depending on weather, vacations, season, etc.
2. Ratio estimates. The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:
 - a. First-stage ratio estimate. In the CPS, a portion of the 629 sample areas is chosen to represent both itself and other areas not in the

sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, Midwest, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

- b. Second-stage ratio estimate. In this stage, the sample estimates of the U.S. population in the categories described below are adjusted to independently derived current estimates of the population in the same categories. The second-stage ratio estimate is performed in order to increase the reliability of the estimates and is carried out in two steps. In the first step, the sample estimates are adjusted for each State and the District of Columbia to an independent control for the civilian noninstitutional population 16 years and over, for the State. The second step of the adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates of the civilian noninstitutional population, 14 years and over, within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of the National age-sex-race categories will be virtually equal to the independent population estimates. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature of these changes is discussed in detail in "Revisions in the Current Population Survey beginning in January 1982," Employment and Earnings, February 1982.

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

Beginning with the January 1982 estimates, the independent national controls used for the age-sex-race groups in the final step of the second-stage ratio adjustment are prepared by carrying forward the April 1, 1980 total population by age, race, and sex, taking account of the subsequent aging of the population, fertility, mortality, and net immigration, and then subtracting the estimate for the institutional population and Armed Forces. The April 1, 1980 total population was computed by adding together the resident population, consistent with that published in the 1980 census Advance Reports, Series PHC80-V, and the Armed Forces overseas, as compiled from Department of Defense reports. Data on

births and deaths between April 1, 1980 and the estimate data 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.

GLOSSARY

Subject Concepts

Age. Age classification is based on the age of the person at his/her last birthday. The adult universe (i.e., population of marriageable age) is comprised of persons 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 registrar; (2) are waiting to be called back to a job from which they had been laid off; or (3) are waiting to report to a new wage or salary job within 30 days. These persons would have an ESR code of 3 in word 19, character 1 of each individual's record. The unemployed includes job leavers, job losers, new job entrants, and job reentrants.
 - a. **Job Leavers.** Persons who quit or otherwise terminate their employment voluntarily and immediately begin looking for work.
 - b. **Job Losers.** Persons whose employment ends involuntarily, who immediately begin looking for work, and those persons who are already on layoff.
 - c. **New Job Entrants.** Persons who never worked at a full-time job lasting two weeks or longer.
 - d. **Job Reentrants.** Persons who previously worked at a full-time job lasting two weeks or longer but are out of the labor force prior to beginning to look for work.

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

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

IF: WD 10:4 thru 11:4 = any entry of 1 and WD 11:5=1 and WD 12:5=1 or 2, then Loser (Lost job)

IF: WD 10:4 thru 11:4 = any entry of 1 and WD 11:5=2 and WD 12:5=1 or 2, then Leaver (left job)

IF: WD 10:4 thru 11:4 ≠ any entry of 1 and WD 10:1=6, then Loser (temporary layoff)

IF: WD 10:4 thru 11:4 ≠ any entry of 1 and WD 10:1=7, then Loser (indefinite layoff)

IF: WD 10:4 thru 11:4 ≠ any entry of 1 and 10:1=5 and 11:5=1 and 12:5=1 or 2, then Loser (New job to begin within 30 days)

IF: WD 10:4 thru 11:4 ≠ any entry of 1 and 10:1=5 and 11:5=2 and 12:5=1 or 2, then Leaver (New job to begin within 30 days)

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

IF: Not job loser or leaver and WD 12:5=1 or 2, then Reentrant

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

3. Not in Labor Force. All civilians 14 years old and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes, for the most part, retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week is an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

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

These items are asked in question 24; see the questionnaire facsimile. Such persons have an ESR code of 4-7 in word 19, character 1 of each individual's record.

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

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

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

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

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

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

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

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

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

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

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

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

Part-Time Work. Persons who work between 1 and 34 hours are designated as working "part-time" in the current job held during the reference week.

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

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

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

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

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

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

Unemployed. (See Labor Force.)

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

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

- 1 Vietnam era
- 2 Korean
- 3 WWI
- 4 WWII
- 5 Other Service
- 6 Nonveteran

Wage and Salary Workers. Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental unit.

Workers. (See Labor Force--Employed.)

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

GLOSSARY

Geographic Concepts

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

Regions. There are four regions: Northeast, Midwest (formerly North Central),^{1/} West, and South. States and divisions within regions are presented below.

NORTHEAST REGION

New England Division

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

Middle Atlantic Division

New Jersey
New York
Pennsylvania

MIDWEST REGION

East North Central Division

Illinois
Indiana
Michigan
Ohio
Wisconsin

West North Central Division

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

WEST REGION

Mountain Division

Arizona
Colorado
Idaho
Montana
Nevada
Utah
Wyoming

Pacific Division

Alaska
California
Hawaii
Oregon
Washington

^{1/} The Midwest Region was designated as the North Central Region until June 1984.

SOUTH REGION

East South Central Division

Alabama
Kentucky
Mississippi
Tennessee

West South Central Division

Arkansas
Louisiana
Oklahoma
Texas

South Atlantic Division

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

Attachment 4

NOTE TO USERS

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

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

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

	8	Number of previous words
x	6	Number of character positions per word
	48	Number of positions allocated for data
+	1	Character positions 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 this item occupies character positions 53 and 54.

ATTACHMENT B
 CURRENT POPULATION SURVEY

ADULT INTERVIEW RECORD LAYOUT
 FOR STANDARD TAPE COPIES
 (Definitive January 1984)

Attachment

Page 1

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

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

-more-

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

--more--

Attachment A

Word	Chr.	Characteristic	Universe	Description	
3	5-6	State (1st digit of State Code in 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>	81 82 83 84 85 86 87 88
				Montana	
				Idaho	
				Wyoming	
				Colorado	
				New Mexico	
				Arizona	
				Utah	
				Nevada	
				<u>Pacific Division</u>	91 92 93 94 95
				Washington	
				Oregon	
				California	
				Alaska	
				Hawaii	

-more-

Attachment A

Word 3
Chir. 5-6

Univervo

All

Characteristic

State (1st digit of State Code in Division Code) (From U.S.T.) (Cont.)

Description

East North Central Division

31

32

33

34

35

Ohio

Indiana

Illinois

Michigan

Wisconsin

West North Central Division

41

42

43

44

45

46

47

Minnesota

Iowa

Missouri

North Dakota

South Dakota

Nebraska

Kansas

South Atlantic Division

51

52

53

54

55

56

57

58

59

Delaware

Maryland

District of Columbia

Virginia

West Virginia

North Carolina

South Carolina

Georgia

Florida

East South Central Division

61

62

63

64

Kentucky

Tennessee

Alabama

Mississippi

-more-

Attachment A

Item	Char.	Characteristic	Universe	Description	
1	1-2	State Bankings (Cont.) (From H.S.T.)	All	Oregon	31
				Arkansas	32
				Arizona	33
				West Virginia	34
				Michigan	35
				Utah	36
				New Mexico	37
				Maine	38
				Rhode Island	39
				Monte	40
				District of Columbia	41
				New Hampshire	42
				Idaho	43
				Nebraska	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	1-2	State Rankings (From H.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 Oklahoma Kansas Mississippi Colorado	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 27 28 29 30

- MOFO -

Attachment A

Word	Char.	Characteristic	Universe	Description	1970 Rankings
4	3-4	SNSA Bankings (From H.S.T.)	SNSA's	Not an SNSA and all other SNSA's	00
				New York, N.Y.	01
				Los Angeles-Long Beach, Calif.	02
				Chicago, Ill.	03
				Philadelphia, Pa.- N.J.	04
				Detroit, Mich.	05
				San Francisco-Oakland, Calif.	06
				Washington, D.C.-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

Attachment A

Word	Char.	Characteristic	Universe	Description
1	3-4	SHSA Bankings (Cont.) (From H.S.T.)	SHSA's	Indianapolis, Ind. San Jose, Calif. New Orleans, La. Tampa-St. Petersburg, Fla. Portland, Ore. Columbus, Ohio Rochester, N.Y. Sacramento, Calif. Fort Worth, Texas Birmingham, Ala. Albany-Schenectady-Troy, N.Y. Norfolk-Portsmouth, Va. Akron, Ohio Gary-Hammond-East Chicago, Ind. Greensboro-Winston-Salem- High Point, N.C.
5		Item 1 - INTERVIEWER CHECK ITEM	ALL	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household Second CPS-1 of cont. household Third, fourth, etc. CPS-1
6		Blank		

-INOT-

Word	Char.	Characteristic	Universe	Description
5	1-3	Blank		
4-6	Item 10	- INTERVIEWER CODE	All	Blank or Impossible in any digit -11A, or App-M79 (Excluding I--)
6	1	Item 12 - LINE NO. WOULD RESP.	All	Blank or Impossible 1-6 7
2	Item 13	- TYPE INTERVIEW	All	Non W'ld Resp. Blank Personal Tel. - Regular Tel. - Callback ICR Filled 2 3 4 5
3-4	Item 11	- DATE COMPLETED	All	Day of Month -- or 10-29
5	Item 26A1	--Is . . . attending or enrolled in a high school, college or university?	Item 26=1	Yes No 1 2
6	Item 26A2	--Verification of Item 26A1	Item 26A1=1	High School College or Univ. 1 2

Attachment A

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

-more-

Attachment A

Word	Char.	Characteristic	Universe	Description
d	1	Land Usage (Recode) (Editted using Urban/Rural Code from H.S.T. and CPS-1 Document Items 5a. and 5b-new in Feb. '76) Recode reflects "old" Farm Definition. (EFFECTIVE April 1984: Reflects New Farm Definition)	ALL	Nonfarm Farm
	2-3	Item 4 - TYPE OF LIVING QUARTERS (Recode)	ALL	<p><u>Housing Unit</u></p> <p>House, apt., flat</p> <p>110 in nontransient hotel, etc. 01</p> <p>110, permanent, in trans. hotel, motel, etc. 02</p> <p>110 in rooming house 03</p> <p>Mobile home or Trailer 04</p> <p>110 not specified above 05</p> <p><u>Other Unit</u></p> <p>Qtra. not 110 in rooming or boarding house: 07</p> <p>Unit not permanent in trans. hotel, motel, etc. 08</p> <p>tent or trailer site 09</p> <p>Other hot 110 10</p>
	4	'New' Farm Definition (Recode) Effective February 1976. (Editted using Urban/Rural Code from H.S.T. and CPS-1 Document Items 5a. and 5b.)	ALL	Nonfarm Farm

Attachment A

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

Attachment A

Word	Char.	Characteristic	Universe	Description	
10.	1	Item 21A - Why was...absent from work LAST WEEK?	ESR 2	Own illness On vacation Bad weather Labor dispute	1 2 3 4
			ESR 3	New job to begin within 30 days Temporary layoff (under 30 days) Indefinite layoff (30 days or more or no definite recall date)	5 6 7
			ESR 2	Other	0
2		Item 21B - In...getting wages or salary for any of the time off LAST WEEK?	ESR 2	Yes No Self employed	1 2 3
3		Item 21C - Does...usually work 35 hours or more a week at this job?	ESR 2	Yes No	1 2
		Item 22A - What has...been doing in the last 4 weeks to find work?			
		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

Word	Char.	Characteristic	Universe	Description
10	6	Item 22A - Methods (Cont.) 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	Item 22B - Why did...start looking for work?	ESR 3 Except layoff in Item 21A, codes 6 & 7	Lost job 1 Quit job 2 Left school 3 Unemployed temporary work 4 Other 5
	6	Item 22C - Weeks unemployed (New job starting in 30 days, weeks laid off, or weeks looking for work)	ESR 3	Number of Weeks 00-99
12	1			
	2	Item 22D - Has...been looking for full-time or part-time work?	ESR 3	Full 1 Part 2

-more-

Word	Characteristic	Universe	Description
12	<p>Item 22E - Digit 1 - Is there any reason why...could not take a job LAST WEEK?</p> <p>Item 22E - Digit 2 - Is there any reason why...could not take a job LAST WEEK?</p>	<p>ESR 3</p> <p>ESR 3 & Yes in Digit 1</p> <p>ESR 4-7</p>	<p>Yes 1</p> <p>No 2</p> <p>Already had a job 1</p> <p>Temporary illness 2</p> <p>(Going to school 3 Other 4</p>
	<p>Item 22F - When did...last work at a full-time job or business lasting 2 consecutive weeks or more? (RECORDED)</p>	<p>ESR 3 Re-entrants to Labor Force</p> <p>New entrants to Labor Force</p>	<p>1 In last 5 years</p> <p>2 Before last 5 years</p> <p>3 Never worked full-time 2 weeks or more</p> <p>4 Never worked at all</p>
	<p>Item 24A - When did...last work for pay at a regular job or business, either full- or part-time?</p>	<p>ESR 4-7 and Health in Sample is 4 or 0 (Departing rotations)</p>	<p>1 Within past 12 months</p> <p>2 1 up to 2 years ago</p> <p>3 2 up to 3 years ago</p> <p>4 3 up to 4 years ago</p> <p>5 4 up to 5 years ago</p> <p>6 5 or more years ago</p> <p>7 Never worked</p>

-more-

Attachment A

Word	Char.	Characteristic	Response	Frequency
13	1	Item 24B - Why did...leave that job?	FSR 4-7 and 1-5 in Item 24A	1 2 3 4 5 6 7 0
2		Item 24C - Does...want a regular job now, either full- or part-time?	FSR 4-7 and Month in Sample in 4, or 0 (Departing rotation)	1 2 3 4
3		Item 24D - What are the reasons...is not looking for work?		
4		Reasons through 15:1. Multiple entries possible.		
5		Believes no work available in line of work or area	Item 24C in 1 or 2.	1
6		Couldn't find any work	Item 24C in 1 or 2	1
5		Lacks necessary schooling, training, skills or experience	Item 24C in 1 or 2	1
6		Employers think too young or too old	Item 24C in 1 or 2	1

Reasons

- 1 Personal, family or school
- 2 Health
- 3 Retirement or old age
- 4 Seasonal job completed
- 5 Slack work or business conditions
- 6 Temporary nonseasonal job completed
- 7 Unsatisfactory work arrangements
- 0 Other

- 1 Yes
- 2 Maybe, it depends
- 3 No
- 4 Don't know

- Blank Entry
- Blank Entry
- Blank Entry
- Blank Entry
- Blank Entry

-more-

Attachment A

Description

Universe

Word Char. Characteristic

Word	Char.	Characteristic	Universe	Description
11	1	Item 2/4E - conscious (cont.)	Item 2/4C Is 1 or 2	Blank Entry
	2	Other personal handicaps in starting job	Item 2/4C Is 1 or 2	Blank Entry
	3	Can't arrange child care	Item 2/4C Is 1 or 2	Blank Entry
	4	Family responsibilities	Item 2/4C Is 1 or 2	Blank Entry
	5	In school or other training	Item 2/4C Is 1 or 2	Blank Entry
	6	All health physical disability	Item 2/4C Is 1 or 2	Blank Entry
	6	Other	Item 2/4C Is 1 or 2	Blank Entry
15	1	Don't know	Item 2/4C Is 1 or 2	Blank Entry
	2	Item 2/4E - Does...intend to look for work of any kind in the next 12 months?	ESR 4-7 and Health in Sample Is 4 or 8 (Departing relations)	Yes It depends No Don't know

-R010-

Attachment A

Word	Char.	Characteristic	Universe	Description	
15	3	Item 236 - Class of worker (Exited and Recoded)	a) Fill 1 or 2 b) Fill 3 c) Fill 4-7, Month in Sample in 4 or 0 & Item 24A in 4-5.	1 Private 2 Government 3 Self employed 4 Without pay 5 Never worked or Never worked full-time	1 2 3 4 5
4-6		BLANK			
16	1-3	BLANK			
4-5		Item 10A - LINE NUMBER	All		
6		Item 10B - 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 relatives in household	1 2 3 4 5 6

01-39

Word	Char.	Characteristic	Universe	Description	14-99
17	1-2	Item 10D - AGE	All		
	3	Item 10E - 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 10J - RACE (Recode)	All	White Black Other	1 2 3
	5	Item 10Q - SEX	All	Male Female	1 2
	6	Item 10G - VETERAN STATUS	Males	Vietnam Era Korean War World War II World War I Other Service Nonveteran	1 2 3 4 5 6

-more-

Attachment A

Word	Char.	Characteristic	Universe	Description
10	1-2	Item 10j - HIGHEST GRADE (OF SCHOOL) ATTENDED	All	None E1 E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12 E13 E14 E15 E16 E17 E18 E19
3		Item 10i - GRADE COMPLETED	All	Yes No
4		PADDING		
5		Blank		
6		Item 26--Interview Check Item: This person is	All	16-24 Years of Age All Others

--more--

Attachment A

Word	Chart	Characteristics	Universe	Employed	Unemployed	Working with job, but at work	Looking	1	2	3	4	5	6	7	1	2	0	1
19	1	Full - Employment Status Record (Last Week)	All	Employed	Unemployed	Working with job, but at work	Looking											
2		Item 26B--Is...enrolled in school as a full-time or part time student?	Item 26A1=1															
3		Indicator for principal person of household	All 1/															
4-6		Household Count (Within Work Unit)	All															
20	1-3	Work Unit Number (From Breaker Sheet)	All															
4-5		Month	All															
6		Year - Last Digit	All															
21 & 22	All	Final Weight	All															

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.

There is no page 22.

Attachment A

Word	Char.	Characteristic	Universe	Description
23	1-6	PADDING		
24	1-3	PADDING		
	4-6	JICFIRI	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 1 Non SMSA 2 Not Identifiable 3
	2	Central City Status Code	All	Central City 1 Balance of SMSA 2 Non SMSA 3 Not Identifiable 4
	3	Blank		3 million 1 1 million-2,999,999
	4	SMSA Size (From M.S.T. - reflecting 1970 Census Population)	All	Not Identifiable 2 Blank

-more-

Description

Universe

Characterizable

Char.

Word

26	5	Item 101 - ETHNICITY	All	1 Mexican American 2 Chicano 3 Mexican (Mexicano) 4 Puerto Rican 5 Cuban 6 Central or South American 7 Other Spanish 8 All other 9 Don't know A NA
----	---	----------------------	-----	---

6 PADDING

27	1-2	Weighting Age Recode	All	01 11-15 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 62-64 15 65-69 16 70-74 17 75+
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-11010-

Attachment A

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

-more-

Attachment A	Universe	Description
1	All	Male white
2	All	Female white
3	All	Male other
4	All	Female other
0	All	Not in Universe
1	All	In Universe
3	All	Civilian Labor Force
4	All	Not in Labor Force
0	All	Not in Labor Force
1	All	Employed full time
2	All	Part time for economic reasons
3	All	Unemployed full time
4	All	Employed part time
5	All	Unemployed part time
0	All	Not in experienced labor force
1	All	Employed
2	All	Unemployed
1	All	Male head, living with relatives
2	All	Male head, living without relatives
3	All	Male relative of head
4	All	Male nonrelative of head
5	All	Female head, living with relatives
6	All	Female head, living without relatives
7	All	Wife of head
8	All	Female relative of head
9	All	Female nonrelative of head

-more-

Attachment A

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

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Attachment A

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 HLF	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-

Department

Universe

Characteristic

Attachment A

Word	Class.	Characteristic	Universe	Not in Universe In Universe	Not in Universe In Universe
31	5	Full time employed and economic part time	All	0 1	0 1
	6	Non-agriculture industries	All	0 1	0 1
32	1	Non-agriculture wage and salary worker	All	0 1	0 1
	2	Agriculture	All	0 1	0 1
	3	BLANK			
	4	BLANK			
	5	Manufacturing wage and salary	All	0 1	0 1
	6	Private wage and salary	All	0 1	0 1
	1	Part time for noneconomic reasons	All	0 1	0 1
33	2	Persons seeking full time work (H & S)	All	0 1	0 1
	3	Unemployed with no previous work experience	All	0 1	0 1

-RORO-

Attachment A

Word	Char.	Characteristic	Universe	Description	
33	4	Full time labor force Record	All	Not in Universe Employed Full Time Looking for Full Time Work	0 3 4 0
34	1-2	Age 1	All		1
	5	Program Signal	All		00
	6	Program Signal	All		01
			All		02
			All		03
			All		04
			All		05
			All		06
			All		07
			All		08
			All		09
			All		00
			All		01
			All		02
			All		03
			All		04
			All		05
			All		06
			All		07
			All		08
			All		09
			All		10
			All		11
			All		00
			All		01
			All		02
			All		03
			All		04
			All		05
			All		06
			All		07
			All		08
			All		09
			All		10
			All		11

-more-

Attachment A

Universes

Characterizable

Major Activity Ages 16-24

All

Age	School	Major Activity	
		HAIE or FBI	Other
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	Less Than 55 years	FBI	Not FBI
55 years		00	01
56 "		02	03
57 "		04	05
58 "		06	07
59 "		08	09
60 "		10	11
61 "		12	13
62 "		14	15
63 "		16	17
64 "		18	19
65 "		20	21
66 "			
67 "			
68 "			
69 "			
70 "			
71 "			
72 "			
73 "			
74 "			
75 "			

All

Age 4

-more-

Attachment A

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

Attachment A

Word Char. Characteristic

Unemployed

Registration

36 5-6 Major Industry (II)

- Never worked 00
- Agriculture 01
- Mining 02
- Construction 03
- Manufacturing 04
- Durable goods 05
- Nondurable goods
- Transportation and public utilities

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.

- Postal 06
- Other transportation 07
- Other utilities 08
- Wholesale and retail trade 09
- Wholesale trade 10
- Retail trade 11
- Finance, insurance, and real estate 12
- Private household service 13
- Miscellaneous service 14
- Business and repair 15
- Personnel, except private household 16
- Entertainment and recreation 17
- Medical, except hospitals 18
- Hospitals 19
- Welfare and religious 20
- Education 21
- Other professional services 22
- Forestry and fisheries
- Public administration GAY

1/ 2/

-RORO-

Attachment A

Word	Char.	Character Code	Universe	Description	EMP	UNEMP
37	1-2	BLANK			01	05
3-4		Class of worker Employed-Unemployed	Gov. Labor Force	Private Government (Federal, Local, and State) Self-employed Unpaid family Never Worked	02 03 04	06 07 08 00

-10010-

Attachment A

Word	Char.	Characteristic	Universe	Description
37	5-6	Major Industry (1)	Civ. Labor Force	<p>Agriculture, Private Household workers & Hover worked 00</p> <p>Mining 01</p> <p>Construction 02</p> <p>Manufacturing 03</p> <p>Durable goods 04</p> <p>Non-durable goods 05</p> <p>Transportation and public utilities 06</p> <p>Postal 07</p> <p>Other transportation 08</p> <p>Other utilities 09</p> <p>Wholesale and retail trade 10</p> <p>Wholesale trade 11</p> <p>Retail trade 12</p> <p>Finance, insurance, and real estate 13</p> <p>Miscellaneous services 14</p> <p>Business and repair 15</p> <p>Personal, except private household 16</p> <p>Entertainment and recreation 17</p> <p>Medical, except hospitals 18</p> <p>Hospitals 19</p> <p>Welfare and religious 20</p> <p>Education 21</p> <p>Other professional services 22</p> <p>Forestry and fisheries 23</p> <p>Public administration 24</p>

1/ 2/ See page 33

1/ 2/

-more-

Yard Char. Characteristic

Universe

Yard	Char.	Characteristic	Universe	Never Worked	00
30	1-2	Detailed Industry	Civ. Labor Force	Goods-producing industries	01
				Agricultural production	02
				Agricultural services	03
				Mining	04
				Construction	
				Manufacturing	
				Durable Goods	
				Leather	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, "Orduncon" was combined with "fabricated metals."

-more-

Attachment A

Word	Char.	Characteristic	Industry	Description	
30	1-2	Detailed Industry (Cont)	Civ. labor Force	Service-producing industries	28
				Transportation and public utilities	29
				Postal	30
				Other transportation	31
				Communications	32
				Other public utilities	33
				Trade	34
				Wholesale	35
				Retail	36
				Eating and drinking places	37
				Other retail	38
				Finance, insurance, and real estate	39
				Banking and other finance	40
				Insurance and real estate	41
				Private household services	42
				Miscellaneous services	43
				Business and repair	44
				Business	45
				Repair	46
				Personal services, except private household	47
				Entertainment and recreation	48
				Professional services	49
				Medical, except hospitals	50
				Hospitals	51
				Welfare and religious	52
				Educational	53
				Other professional	54
				Forestry and fisheries	55
				Public administration	56
				Armed Forces	57
				Other federal	58
				State	59
				Local	60

1/2/ See page 33.

Attachment A

Word	Char.	Characteristic	Universal	Description
------	-------	----------------	-----------	-------------

30 J-6 BLANK

39 1-2 Manufacturing

Civ. Labor Force

- Have worked or not Hfg. Ind. 00
- Durable Goods 01
- Lumber 02
- Furniture 03
- Stone, clay, glass 04
- Primary metals 05
- 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 14

See page 36.

-page-

Attachment A

Word	Char.	Characteristic	Unlverno	Description	
39	1-2	Manufacturing (Cont'd)	Civ. labor Force	Honorable goods	14
				Food	15
				Tobacco	16
				Textiles	17
				Apparel	18
				Paper	19
				Printing	20
				Chemicals	21
				Petroleum	22
				Rubber and plastic	
				leather and not specified	
				manufacturing	23
				Unemployed and MIF	00
				with a job but not at work	01
				Illness	02
				Vacation	03
				Bad weather	04
				Labor dispute	05
				All other	
				At work	06
				1-4 hours	07
				5-14 hours	08
				15-21 hours	09
				22-29 hours	10
				30-34 hours	11
				35-39 hours	12
				40 hours	13
				41-47 hours	14
				48 hours	15
				49-59 hours	16
				60 hours or more	
3-4		None at work or hours at work	All		

-none-

Attachment A	Code	Characteristics	Univariate	Description	Code
	39	At work 1-36 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	00
	5-6			Usually work full time, part time for economic reasons	01
				1-4 hours	02
				5-14 hours	03
				15-29 hours	04
				30-34 hours	
				Usually work part time, economic reasons	05
				1-4 hours	06
				5-14 hours	07
				15-29 hours	08
				30-34 hours	
				Usually work part time, noneconomic reasons	09
				1-4 hours	10
				5-14 hours	11
				15-29 hours	12
				30-34 hours	
				Not in Univariate	00
				Usually work full time	01
				Block work	02
				Material shortages; plant or machine repair	03
				New job started	04
				Job terminated	05
				Holiday	06
				Labor dispute	07
				Bad weather	08
				Out illness	09
				On vacation	10
				All other	

ESR = 1 (At Work) and 20A is less than 35

Detailed reason by hours 1-36

-1000-

Attachment A

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

41 }
thru }
42 }
1 }
6 }

PADDING

-more-

The next page is 43.

Characteristic Universe Description

Edited Earnings Items (outgoing rotations only)

Word Char.	Characteristic	Universe	Description
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 Spanish	Eligible for Earnings 1/ and Ethnicity = Spanish	Two implied decimal places, right justified, space filled
47 and 48 } ALL	PADDING (
49 } 1	Eligibility Flag 1/	ALL	Not eligible Eligible
50 and 51 } 2-3	125A (Edited) - Usual hours worked per week?	Eligible	Hours worked
52 } 4	125B (Edited) - Paid by hour?	Eligible	Yes No
53 and 54 } 5-6	125C (Edited) - Earnings per hour?	125B (Edited) = 1	Earnings per hour (2 implied decimal places)
55 and 56 } 1-2	125D (Edited, computed) 2/ Earnings per week	Eligible	Earnings per week

1/- One of the following conditions must be met for a person to be in the universe:
 (1) If outgoing rotation (wd. 1 ch. 2-4 or 0) and ESR 1 or 2 (wd. 19, ch. 1-1 or 2) and edited item 23E is Private (wd. 15, ch. 3-1) and unedited item 23E is blank, private, or government (wd. 53, ch. 6/5, 6, 7, or 0)
 (2) If outgoing rotation and ESR 1 or 2 and edited item 23E is Government (wd. 15, ch. 3-2)

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

Description

Universe

Word Char. Characteristic

Word	Char.	Characteristic	Universe	Yes No	Description
50	6	Item 25E-Member of union? (Edited)	49:1=1	125A not allocated	
51	1	125A Allocation Flag	Eligible	125A allocated	
	2	125B Allocation Flag	Eligible	125B not allocated 125B allocated	
	3	125C Allocation Flag	125B (Edited) = 1	125C not allocated 125C allocated	
	4	125D Allocation Flag	Eligible	125D not allocated 125D allocated	
	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	
	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 121D and P, F, S, or L in 123E	

000-999

Weekly Earnings

Word	Char.	Characteristic	Universe	Yes No	Description
52	1-3	125D (Edited) - Usual weekly earnings	3/		
	4	Item 25F-covered by union contract?	WD4:1=1 and 50:6=2 Eligible	125E Not Allocated	
	5	Item 25E Allocation Flag		125E Not Allocated	
	6	Item 25F Allocation Flag	125E=No	125F Not Allocated	

3/ Reported 25D value appears here for an hourly worker. If 25D was not reported for an hourly worker, this field is used for 25A x 25C computed value appears here. This field is blank for weekly workers. This field is used for calculation purposes for hourly workers.

Description

Universe

Characteristic

Basic CPS Allocation Flags

Item	Char.	Characteristic	Universe	Description
53	1	Item 5a	All	Not Allocated
	2	4		Allocated
	3	5b		
	4	9		
	5	All Labor Force Items		
	6	ESR		
54	1	10H		
	2	10G - Sex		
	3	10J		
	4	10E		
	5	10D		
	6	10I		
55	1	10H		
	2	10G - Veteran Status		
	3	19		
	4	23D		
	5	23C		
	6	23E		

Description

Universe

Characteristic

Char.

Word

Not Allocated
Allocated

All

20A

20C

21A

21D

21C

22C

22D

22F

24A

24B

24C

24D

22A

22E

10A

22D

24E

Geographic Identification

56

57

50

0

1

1

2

3

4

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6

1

2

3

4

5

6

1

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Characteristic

Universe

Description

Unedited Basic CPS Transcription Items 1/

Item 27	Item 28	Item 29A	Item 29B	Item 29C	Item 29D	Item 29E	Item 29F	Item 29G	Item 29H	Item 29I	Item 29J	Item 29K	Item 29L	Item 29M	Item 29N	Item 29O	Item 29P	Item 29Q	Item 29R	Item 29S	Item 29T	Item 29U	Item 29V	Item 29W	Item 29X	Item 29Y	Item 29Z	
59	59																											

Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	Owned or being bought	
Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank	Blank

Item 29A - Telephone in household (transcribe from control card item 30a)	Item 29B - Telephone available (transcribe from control card item 30b)	Item 29C - Telephone interview acceptable (transcribe from control card item 30d)
Unedited 2/	Unedited 2/	Unedited 2/

Note Items 27-29Care included on each person's record.

July and November only. Padding all other months.

-more-

ATTACHMENT A

Description

Universe

Characteristic

Word Char.

59 }
 thru }
 60 }
 PADDING

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 & r-coded)	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

UNIVERSE

DESCRIPTION

VALUES

CHARACTERISTIC

WORD CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
61	4-5	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 04 05 06 07 08 09 10 11
61	6	Same as I23E	Managerial & Professional Executive, admin. & managerial Professional specialty Technical, sales & admn. support Technicians & related support Sales Administrative support, incl. clerical Service Private household Protective service Other service Precision production, craft and repair Operators, fabricators & joiners Machine operators, assemblers & inspectors Transportation & material moving Handlers, equip. cleaners, etc. Farming, forestry & fishing Armed Forces No previous experience - Never worked	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
62	1	Major Occupation		

more

ATTACHMENT A
 WORD CHAR. CHARACTERISTIC

UNIVERSE

VALUES

WORD CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
62	2-3	Major Industry		
		Sum of 123E (Exc. Never worked)	Agriculture	01
			Mining	02
			Construction	03
			Manufacturing	
			Durable goods	04
			Non-durable goods	05
			Transportation, communications & other public utilities	
			Transportation & public util.	06
			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	13
			Business & repair	14
			Personal services, exc. priv. h ^h	15
			Entertainment & recreations	
			Professional & related	16
			Hospitals	17
			Medical, exc. hospitals	18
			Educational	19
			Social services	20
			Other professional	21
			Forestry & fisheries	22
			Public administration	23
			Armed forces	

-more-

ATTACHMENT A (Interview Adults)

ORD CHAR. CHARACTERISTIC

62 4-5 Detailed Occupation

VALUES

UNIVERSE DESCRIPTION

VALUES	DESCRIPTION
00	Never worked
01	Managerial & professional specialty
02	Executive, admin., & managerial
03	Officials & admin., public admin.
04	Other exec., admin., & managerial
05	Management related
06	Professional specialty
07	Engineers
08	Mathematical & computer
09	scientists
10	Natural scientists
11	Health diagnosing & treatment
12	Health assessment & treatment
13	Teachers, college & university
14	Teachers, exc. college & univ.
15	Lawyers & judges
16	Other professional specialty
17	Technical, sales & administrative
18	support
19	Technicians & related
20	Health technologists & tech.
21	Engin. & science technicians
22	Other technicians
23	Sales
24	Supervisors & proprietors
25	Sales reps., financial & business
26	Sales reps., commodities,
	except retail
	Sales workers, retail & personal
	Sales related
	Administrative support,
	including clerical
	Supervisors
	Computer equip. operators
	Secretaries, stenog., typists
	Financial records processing
	Mail & message distribution
	Other admin., incl. clerical

ATTACHMENT A

WORD CHAR. CHARACTERISTIC

UNIVERSE

VALUES

DATE 020183

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
Machinop. oper., assemb. & inspac.	40
Machinop. 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-

ATTACHMENT A

UNIVERSE

CHARACTERISTIC

DESCRIPTION

WORD CHAR.	CHARACTERISTIC	DESCRIPTION	VALUES
62	6	Detailed Industry	00
63	1		01
		Never Worked	02
		Goods-producing Industries	03
		Agriculture	04
		Agricultural services	
		Other agricultural	
		Mining	
		Construction	05
		Manufacturing	06
		Durable Goods	
		Lumber & wood products,	
		except furniture	
		Furniture & fixtures	07
		Stone, clay, glass &	
		concrete products	
		Metal Industries	08
		Primary metals	09
		Fabricated metals	10
		Not specified metals	11
		Machinery, exc. electrical	
		Electrical machinery, equip. &	
		supplies	12
		Transportation equipment	13
		Motor vehicles & equipment	
		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

CHARACTERISTIC

UNIVERSE

DESCRIPTION

CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
62	Same as 123E	Service-producing industries Transportation, communication & other public utilities	29
63			30
		Communications & other public utilities	31
		Utilities & sanitary serv., Wholesale & retail trade	32
		Wholesale trade	33
		Finance, insurance & real estate	34
		Banking & other finance	35
		Insurance & real estate services	36
		Private household misc. services	37
		Business & repair serv.	38
		Business services	39
		Repair services	40
		Personal services, exc. private household	41
		Entertainment & recreation	42
		Professional & related serv. hospitals	43
		Health serv., exc. hospitals	44
		Educational services	45
		Social services	46
		Other professional serv. Forestry & fisheries	47
		Public administration Justice, public order & safety	48
		Admin. of human resource programs	49
		National security & Internal affairs	50
		Other public administration Armed Forces	51

Detailed Industry (cont'd)

ATTACHMENT A	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
63 2-4	Item 23B - INDUSTRY (1980 Edited)	Same as 123E (Exc. Never worked)	3-digit Industry Code	010-991
63 5-6	Item 23C - OCCUPATION (1980 Edited)	Same as 123E (Exc. Never worked)	3-digit Occupation Code	003-905
64 1				
64 2-6	PADDING			

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

ATTACHMENT A (Interview Adults)

WORD CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
65	1-2	Item 10A - LINE NUMBER	Line Number	01-39
1	Item 10B - RELATIONSHIP TO REFERENCE PERSON	All	Reference Person with other relatives in household Reference Person with no other relatives in household Husband Wife Own child Parent Brother/Sister Other relative of reference person Non-relative of reference person - with own relatives in household Non-relative of reference person - no own relatives in household	1 2 3 4 5 6 7 8 9 A
4-5	Item 10C - PARENT'S LINE NUMBER	All	None Parent's line number	00 01-39
66	1-2	Item 10D - AGE	Age in Years	14-99
3	Item 10E - MARITAL STATUS	All	Married-Civilian spouse present Married-Armed Forces spouse present Married-spouse absent (Exclude separated) Widowed Divorced Separated Never married	1 2 3 4 5 6 7
4-5	Item 10F - SPOUSE'S LINE NUMBER	All	None Spouse's line number	00 01-39
6	Item 10G - SEX	All	Male Female	1 2

ATTACHMENT A (Interview Adults)

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
67	1	Item 18G - VETERAN STATUS	SEX=MALE	Vietnam Era Korean War World War II World War I Other Service Nonveteran	1 2 3 4 5 6
2-3		Item 18I - HIGHEST GRADE (of school) ATTENDED	ALL	None E1 E2 E3 E4 E5 E6 E7 E8 E9 H1 H2 H3 H4 C1 C2 C3 C4 C5 C6+	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18
4		Item 18I - GRADE COMPLETED	ALL	Yes No	1 2
5		Item 18J - RACE	ALL	White Black Other	1 2 3
6		PADDING			

ATTACHMENT A (Interview Adults)

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
68	1-2	PADDING			
3-4		FAMILY NUMBER	ALL	Not a Family Member Primary Family Member Only Subfamily Member	00 01 02-39
5		FAMILY TYPE	ALL	Primary Family Primary Individual Inrelated Subfamily Unrelated Subfamily Secondary Individual	1 2 3 4 5
6		FAMILY RELATIONSHIP	ALL	Not a Family Member Reference Person Spouse Child Other Relative(Primary Family only)	0 1 2 3 4
69	1-4	PADDING			
5		LINE NUMBER ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
6		RELATIONSHIP TO REFERENCE PERSON ALLOCATION FLAG ALL		No Change Blank to Value Old Value to New Value	0 1 2

ATTACHMENT A (Interview Adults)

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
70	1	PARENT'S LINE NUMBER ALLOCATION FLAG	ALL	No Change Value Allocated	0 2
	2	AGE ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	3	MARITAL STATUS ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	4	SPOUSE'S LINE NUMBER ALLOCATION FLAG	ALL	No Change Value Allocated	0 2
	5	SEX ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	6	VETERAN STATUS ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
71	1	HIGHEST GRADE ATTENDED ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	2	GRADE COMPLETED ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	3	RACE ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	4	ORIGIN ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2

PADDING

71 thru
72 3

ATTACHMENT A (Interview Adults)

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
172	4	AGE OF PRIMARY FAMILY HOUSEHOLDER	ALL	Not a Family Member < 25 Years Old 25-44 Years Old 45-54 Years Old 55-64 Years Old 65+ Years Old	0 1 2 3 4 5
5-6		SIZE OF PRIMARY FAMILY	ALL	Not in Primary Family Number Individuals with HD 10/15=1,3	00 01-39
73	1	PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS	ALL	Not in Primary Family No One Employed Some Employed - No Wage and Salary Workers With Wage and Salary Workers Husband, Wife or Reference Person Self-Employed With Wage and Salary Workers Husband, Wife or Reference Person Not Self-Employed Other Household Member Self-Employed With Wage and Salary Workers Only	0 1 2 3 4 5
2		USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS	ALL	Not in Primary Family No Earners All Earners Full Time Some Full Time, Some Part Time All Earners Part Time	0 1 2 3 4
3		LABOR FORCE AND EARNER STATUS (MALE) OF HUSBAND OF PRIMARY FAMILY OR MALE HOUSEHOLDER	ALL	Not in Primary Family/No Male Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
4		LABOR FORCE AND EARNER STATUS (FEMALE) OF WIFE OF PRIMARY FAMILY OR FEMALE HOUSEHOLDER	ALL	Not in Primary Family/No Female Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
5		NUMBER OF EARNERS IN PRIMARY FAMILY	ALL	Not in Primary Family No Earners 1-0 Earners 9+ Earners	0 0 1-0 9

ATTACHMENT A (Interview Adults)

WORLD CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
73	6	NUMBER OF UNEMPLOYED IN PRIMARY FAMILY	ALL	0 Not in Primary Family 0 Not employed 1-8 Unemployed 9 Unemployed
74	1	HOUSEHOLD TYPE	ALL	1 Husband/Wife Primary Family - (Neither Husband or Wife in Armed Forces) 2 Husband/Wife Primary Family - (Husband and/or Wife in Armed Forces) 3 Unmarried Civilian Male Primary Family Householder 4 Unmarried Civilian Female Primary Family Householder 5 Primary Family Household - Reference Person in Armed Forces and Unmarried 6 Civilian Male Primary Individual Civilian Female Primary Individual 7 Primary Individual Household - Reference Person in Armed Forces Group Quarters 9
2		NUMBER OF OWN CHILDREN LESS THAN 18 IN PRIMARY FAMILY	ALL	0 Not in Primary Family 1 No Children 2 Child 3 Children 4 Children 5 Children 6 Children 7 Children 8 Children 9 8+ Children
3		PRESENCE OF OWN CHILDREN LESS THAN 18 IN PRIMARY FAMILY	ALL	0 Not in Primary Family 1 No Children < 18 Years Old 2 All Children 14-17 Years Old 3 All Children 6-13 Years Old 4 All Children 0-5 Years Old 5 Children 14-17, and 6-13 (No Children 0-5) 6 Children 14-17 and 0-5 (No Children 6-13) 7 Children 6-13 and 0-5 (No Children 14-17) 8 Children from all Age Groups 9
4		PRIMARY FAMILY RELATIONSHIP	ALL	0 Not in Primary Family 1 Husband 2 Wife 3 Own Child 4 Other Relative 5 Unmarried Reference Person

ATTACHMENT A (Interview Adults)

HORD CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
74 5-6	PADDING			
75 1-6	FAMILY HEIGHT	ALL	Two Implied Decimal Places, Right Justified, Space Filled (01)	
76 ^{and} 1-6				
77 1-2	HOUSEHOLD SIZE	ALL	Number of Persons in Household	01-39
3-4	NUMBER OF FAMILIES IN HOUSEHOLD	ALL	Number of Families	00-39
5-6	PADDING			
78 1-6	FAMILY EARNINGS WEIGHT	H19=4,0	Two Implied Decimal Places, Right Justified, Space Filled (01)	
79 ^{and} 1-6		4		
80 1-2	PADDING			
80 3-6	TOTAL WEEKLY FAMILY EARNINGS	H19=4,0	Not in Primary Family Usual Weekly Family Earnings	Blank 0000-9999

-End of Basic CPS Record-

CURRENT POPULATION SURVEY
 CHILDREN'S INTERVIEW RECORD LAYOUT
 (BEGINNING JANUARY 1984)
 FOR STANDARD TAPE COPIES

Attachment Word	Char.	Characteristic	Universe	Description
1	1	Record type	All	Interview 5
2	2	Month in Sample (Recorded from Month and Notation)	All	1-0
3	3	Blank	All	
4-6		Household ID Number	All	
2	1-6			
3	1-3			
4	4	Region (From M.S.T.)	All	Northeast 1 North Central 2 South 3 West 4

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

-more-

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

-more-

Word	Char.	Characteristic	Syllveroo	Description	
3	5-6	State (last digit of State Code for Division Code) (From H.S.T.) (Cont'd)	All	<u>West South Central Division</u>	71 72 73 74
				Arkansas	
				Louisiana	
				Oklahoma	
				Texas	
				<u>Mountain Division</u>	
				Montana	01
				Idaho	02
				Wyoming	03
				Colorado	04
				New Mexico	05
				Arizona	06
				Utah	07
				Nevada	08
				<u>Pacific Division</u>	
				Washington	91
				Oregon	92
				California	93
				Alaska	94
				Hawaii	95

-more-

Word	Char.	Characteristic	Universal	Description	
3	3-6	State (1st digit of State Code in Division Code) (From H.S.T.) (Unit)	All	<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	
				<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	65

-more-

Word	Char.	Characteristic	Universo	Description
1-2		State Rankings (Cont.) (From N.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

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Word	Chdr.	Characteristic	Universe	Description	1970 Ranking
6	1-2	State Bankings (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
				Illinois	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

-1010-

Word	Chara	Character/Info	Univotes	Description
1	3-4	SUSA Bankings (Cont.) (From H.S.T.)	ENSA's	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. 44 Fort Worth, Texas 45 Birmingham, Ala. 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 Blank or Impossible Only CFS-1 for household First CFS-1 of cont. household Second CFS-1 of cont. household Third, fourth, etc. CFS-1
5		Item 1 - INTERVIEWER CHECK ITEM	ALL	
6		Blank		

-note-

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

-more-

Word	Char	Characteristic	Universe	Description
0	1	Land Usage (Nocode) (Eliminated using Urban/Rural Code from H.S.T. and CFS-1 Document Items 5a, and 5b-new in Feb. 76) Nocode reflects "old" Farm Definition (Starting April 1984 - Reflects new farm definitions).	All	Nonfarm Farm
2-3		Item 4 - TYPE OF LIVING QUARTERS (Nocode)	All	<p><u>Housing Unit</u></p> <p>01 House, apt., flat</p> <p>02 UU in nontransient hotel, etc.</p> <p>03 UU, permanent, in trans. hotel, motel, etc.</p> <p>04 UU in rooming house</p> <p>05 Mobile home or Trailer</p> <p>06 UU not specified above</p> <p><u>Other Unit</u></p> <p>07 Qtrn. not UU in rooming or boarding house</p> <p>08 Unit not permanent in trans. hotel, motel, etc.</p> <p>09 Tent or trailer site</p> <p>10 Other not UU</p>
4		New Farm Definition (Nocode) Effective February 1976. (Eliminated using Urban/Rural Code from H.S.T. and CFS-1 Document Items 5a, and 5b.)	All	Nonfarm Farm

Word	Char.	Characteristic	Univ. Code	Description
5	1-3	Blank		
6	4-6	Item 10 - INTERVIEW CODE	All	Blank or Improbable in any digit
	1	Item 12 - LINE NO. OF IND RESP.	All	Blank or Improbable
	2	Item 13 - TYPE INTERVIEW	All	Non World Resp.
	3-4	Item 11 - DATE COMPLETED	All	Day of Month
7	5-6	PADDING		
	1-5	PADDING		
	6	BLANK		

-11A, or
APP-1799
(Excluding I--)
1-6
7
2
3
4
5
or
14-29

-more-

Card	Char.	Character/Field	Universe	Description	
6	4-5	Item 10A - LINE NUMBER	All		00-39
6	6	Item 10B - RELATIONSHIP TO HEAD OF HOUSEHOLD (Final Edited Recoded - using Relationship to Reference Person (See word 18, char. 6 for expanded version)	Child (0-13 Years)	Other relative of head (inclusion own child/brother sister/other relative) Non-relative-own relatives in household Non-relative-no own relatives in household	4 5 6
7	1-2	Item 10C - AGE	Child (0-13 Years)		00-13
	3	PADDING			
	4	Item 10J - RACE (Recode)	All	White Black Other	1 2 3
	5	Item 10K - SEX	All	Male Female	1 2
	6	PADDING			
	1-3	PADDING			
	4	Program Signal	All		
	5	Blank			
8	6	Item 10B - Relationship to head of household-expanded (Edited using head's and child's Relationship to Reference Person)	Child (0-13 years old)	1 Child in household 2 or more children in household Own Child Brother/Sister Other relative Non-relative - own relatives in household Non-relatives-no own relatives in household	1 2 1 2 3 4 5

-more-

Description

Universe

Characteristic

Word Char.

0	5	Blank		
	6	Item 9 - HOUSEHOLD BURDEN	All	
9	1	PADDING		1-0
	2			
16	3			

Through

-more-

UNIVERSITY OF MICHIGAN LIBRARY

Word	Char.	Characterizable	Univ. Code	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		3 million
	4	SMSA Size (From U.S.T. - reflecting 1970 Census Population)	All	1 million-2,999,999 Not Identifiable

-more-

Word	Character	Characterization	Interview	Description
19	1-2	PADDING		
	3	FIAD	Children 0-13 years -	(NOTE: '0' or '1' in this position on Adult records on household indicator or non-interview records or principal person indicator on interview records.)
	4-6	Document Count (Within Work Unit)	All	dd1-999
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
	All	Final Height	All	IF Breaker was missing
21				Two Understood Decimal Places. (Right Justified, space IIII-01)
22	1-6	PADDING		

-- note --

Unedited Inmate CPS Transcription Items 1/

Item #	Description	Value	Category	Notes
59, 1	Item 27	Owned or being bought	All	6
		Rented		7
		No cash rent		0
		No entry		Blank
59, 2	Item 28	Under \$5,000	All	0
		\$5,000 - 7,499		1
		\$7,500 - 9,999		2
		\$10,000 - 12,499		3
		\$12,500 - 14,999		4
		\$15,000 - 17,499		5
		\$17,500 - 19,999		6
		\$20,000 - 24,999		7
		\$25,000 - 29,999		8
		\$30,000 - 34,999		9
		\$35,000 - 39,999		A
		\$40,000 - 49,999		B
		\$50,000 - 74,999		C
		\$75,000 and Over		D
		No Entry		Blank
3	Item 29A - Telephone in household (transcribe from control card item 30a)	Unedited 2/	All	- 1 2
4	Item 29B - Telephone available (transcribe from control card item 30b)	Unedited 2/	I-29a= No	- 1 2
5	Item 29C - Telephone interview acceptable (Transcribe from control card item 30d)	Unedited 2/	I-29a= Yes or I-29b= Yes	- 1 2
64 thru 66	PADDING			

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

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

Characteristic

Universe

Description

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
----------------------------------	-----	---	--

Word Char.

26 5

PADDING

PADDING

BLANK

PADDING

BLANK

PADDING

6

1-2

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50

ATTACHMENT E (Interview Children)

HORO CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
68	1-2 PADDING			
3-4	FAMILY NUMBER	ALL	Not a Family Member Primary Family Member Only Subfamily Member	00 01 02-39
5	FAMILY TYPE	ALL	Primary Family Primary Individual Related Subfamily Unrelated Subfamily Secondary Individual	1 2 3 4 5
6	FAMILY RELATIONSHIP	ALL	Not a Family Member Reference Person Spouse Child Other Relative(Primary Family only)	0 1 2 3 4
69	1-4 PADDING			
5	LINE NUMBER ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
6	RELATIONSHIP TO REFERENCE PERSON ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
70	1 PARENT'S LINE NUMBER ALLOCATION FLAG	ALL	No Change Value Allocated	0 2
2	AGE ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
3-4	PADDING			
5	SEX ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
6	PADDING			

ATTACHMENT E (Interview Children)

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
65	1-2	Item 10A - LINE NUMBER	All	Line Number	01-39
3		Item 10D - RELATIONSHIP TO REFERENCE PERSON	All	Own child Brother/Sister Other relative of reference person Non-relative of reference person - with own relatives in household Non-relative of reference person - no own relatives in household	5 7 8 9 A
4-5		Item 10C - PARENT'S LINE NUMBER	All	None Parent's line number	00 01-39
6		PADDING			
66	1-2	Item 10D - AGE	All	AGE in Years	00-13
3-5		PADDING			
6		Item 100 - SEX	All	Male Female	1 2
67	1-4	PADDING			
5		Item 10J - RACE	All	White Black Other	1 2 3
6		PADDING			

ATTACHMENT E (Interview Children)

WORD CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
73 6	NUMBER OF UNEMPLOYED IN PRIMARY FAMILY	ALL	Not in Primary Family No Unemployed 1-6 Unemployed 9 Unemployed	0 0 1-6 9
74 1	HOUSEHOLD TYPE	ALL	Husband/Wife Primary Family - (Neither Husband or Wife in Armed Forces) Husband/Wife Primary Family - (Husband and/or Wife in Armed Forces) Unmarried Civilian Male Primary Family Householder Unmarried Civilian Female Primary Family Householder Primary Family Household - Reference Person in Armed Forces and Unmarried Civilian Male Primary Individual Civilian Female Primary Individual Primary Individual Household - Reference Person in Armed Forces Group quarters	1 2 3 4 5 6 7 8 9
2	NUMBER OF OWN CHILDREN LESS THAN 16 IN PRIMARY FAMILY	ALL	Not in Primary Family No Children 1 Child 2 Children 3 Children 4 Children 5 Children 6 Children 7 Children 8 Children	0 1 2 3 4 5 6 7 8 9
3	PRESENCE OF OWN CHILDREN LESS THAN 16 IN PRIMARY FAMILY	ALL	Not in Primary Family No Children < 18 Years Old All Children 14-17 Years Old All Children 6-13 Years Old All Children 0-5 Years Old Children 14-17 and 6-13 (No Children 0-5) Children 14-17 and 0-5 (No Children 6-13) Children 6-13 and 0-5 (No Children 14-17) Children from all Age Groups	0 1 2 3 4 5 6 7 8
4	PRIMARY FAMILY RELATIONSHIP	ALL	Not in Primary Family Husband Wife Own Child Other Relative Unmarried Reference Person	0 1 2 3 4 5

ATTACHMENT E (In Survey Children)	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
71	1-2			
	3	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	4	ALL	No Change Blank to Value Old Value to New Value	0 1 2
72	5 thru 3			
	4	ALL	Not a Family Member c 25 Years Old 25-44 Years Old 45-54 Years Old 55-64 Years Old 65+ Years Old	0 1 2 3 4 5
	5-6	ALL	Not in Primary Family Member Individuals with HD 104:5=1,3	00 01-39
73	1	ALL	Not in Primary Family No One Employed - Some Employed - No Wage and Salary Workers With Wage and Salary Workers Husband, Wife or Reference Person Self-Employed With Wage and Salary Workers Husband, Wife or Reference Person Not Self-Employed Other Household Member Self-Employed With Wage and Salary Workers Only	0 1 2 3 4 5
	2	ALL	Not in Primary Family No Earners All Earners Full Time Some Full Time, Some Part Time All Earners Part Time	0 1 2 3 4
	3	ALL	Not in Primary Family/No Male Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
	4	ALL	Not in Primary Family/No Female Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
	5	ALL	Not in Primary Family No Earners 1-6 Earners 9+ Earners	0 0 1-6 9

ATTACHMENT E (Interview Children)
 WORD CHAR. CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

WORD CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
74	5-6 PADDING			
75	1-6 FAMILY HEIGHT	ALL	Two Implied Decimal Places, Right Justified, Space Filled (01)	
76	1-6 HOUSEHOLD SIZE	ALL	Number of Persons in Household	01-39
77	1-2 NUMBER OF FAMILIES IN HOUSEHOLD	ALL	Number of Families	00-39
78	5-6 PADDING			
79	1-6 FAMILY EARNINGS HEIGHT	HIS=4,0	Two Implied Decimal Places, Right Justified, Space Filled (01)	
80	1-2 PADDING			
80	3-6 TOTAL WEEKLY FAMILY EARNINGS	HIS=4,0	Not in Primary Family Usual Weekly Family Earnings	Blank 0000-9999

EID OF ATTACHMENT E

Attachment B

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

-more-

CURRENT POPULATION SURVEY
 NONINTERVIEW TYPE A RECORD LAYOUT
 FOR STANDARD TAPE COPIES
 (BEGINNING JANUARY 1984)

Attachment

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		
2	4-6	Household ID Number (Word 1; Character 5 will always be blank)	All	
	1-6			
	1-3			
3	4	Region (From M.S.T.)	All	Northeast North Central South West 1) Region 1 2) 3) Region 2 4) 5) Region 3 6) 7) 8) Region 4 9)
	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

-more-

Word	Char.	Characteristic	Universe	Description
4	3-4	SMSA Rankings (Con't) (From M.S.T.)	SMSA's	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	5	Item 1 - INTERVIEWER CHECK ITEM	All	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household 2 Second CPS-1 of cont. household 3 Third, fourth, etc. CPS-1 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 APP-M99 (Excluding 1--)
6	1	Item 12 - LINE NO. H'ILD RESP.	All	Blank or Impossible 1-6 Non H'ild resp. 7
2	2	Item 13 - TYPE INTERVIEW	All	Noninterview 1

-more-

Attachment D

Word	Char.	Characteristic	Universe	Description
4	1-2	State Rankings (Con't) (From M.S.T.)	All	Oklahoma Kansas Mississippi Colorado Oregon Arkansas Arizona West Virginia Nebraska Utah New Mexico Maine Rhode Island Hawaii District of Columbia New Hampshire Idaho Montana South Dakota North Dakota Delaware Nevada Vermont Wyoming Alaska
4	3-4	SMSA Rankings (From M.S.T.)	SMSA's	1970 Ranking Not an SMSA and all other SMSA's New York, N.Y. Los Angeles-Long Beach, Calif. Chicago, Ill. Philadelphia, Pa.-N.J. Detroit, Mich.

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-more-

Word	Char.	Characteristic	Universe	Description
0	2-3	Item 4 - TYPE OF LIVING QUARTERS (Recode) (Con't)	All	Other Unit 07 Qtrs. not IU in rooming or boarding house 08 Unit not permanent in trans. hotel, motel, etc. 09 Tent or trailer site 10 Other not IU
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 2, 3
5		Blank		
6		Item 9 - HOUSEHOLD NUMBER (Unedited)	All	Blank 1-0
9 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	001 or 001-999 9XX Assigned If Breaker was missing

-more

Attachment 8

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
	5-6	PADDING		
27	1-3	Blank		
	4	RACE (Recode)	All	White Other
	5-6	Blank		
28	1	Blank		1 2 Blank
52	6			

through

-more-

**CURRENT POPULATION SURVEY
NONINTERVIEW TYPE B-C RECORD LAYOUT
FOR STANDARD TAPE COPIES
(Beginning January 1984)**

Attachment

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

-more-

Attachment C

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code 1s 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

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>
				Delaware 51
				Maryland 52
				District of Columbia 53
				Virginia 54
				West Virginia 55
				North Carolina 56
				South Carolina 57
				Georgia 58
				Florida 59
				<u>East South Central Division</u>
				Kentucky 61
				Tennessee 62
				Alabama 63
				Mississippi 64
				<u>West South Central Division</u>
				Arkansas 71
				Louisiana 72
				Oklahoma 73
				Texas 74
				<u>Mountain Division</u>
				Montana 81
				Idaho 82
				Wyoming 83
				Colorado 84
				New Mexico 85
				Arizona 86
				Utah 87
				Nevada 88

-more-

Attachment C

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

Attachment C

Word	Char.	Characteristic	Universe	Description
4	1-2	State Rankings (Cont) (From M.S.T.)	All	27 Oklahoma 28 Kansas 29 Mississippi 30 Colorado 31 Oregon 32 Arkansas 33 Arizona 34 West Virginia 35 Nebraska 36 Utah 37 New Mexico 38 Maine 39 Rhode Island 40 Hawaii 41 District of Columbia 42 New Hampshire 43 Idaho 44 Montana 45 South Dakota 46 North Dakota 47 Delaware 48 Nevada 49 Vermont 50 Wyoming 51 Alaska

1970 Ranking

Word	Char.	SMSA Rankings (From M.S.T.)	SMSA's	1970 Ranking
4	3-4	SMSA Rankings (From M.S.T.)	SMSA's	Not an SMSA and all other SMSA's New York, N.Y. Los Angeles-Long Beach, Calif. Chicago, Ill. Philadelphia, Pa.-H.J. Detroit, Mich.
				00
				01
				02
				03
				04
				05

-more-

Word	Char.	Characteristic	Universe	Description	
4	3-4	SMSA Rankings (From M.S.T.) (Con't)	SHSA'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.	29
				San Bernardino-Riverside-	30
				Ontario, Calif.	31
				Indianapolis, Ind.	32
				San Jose, Calif.	33
				New Orleans, La.	34
				Tampa-St. Petersburg, Fla.	36
				Portland, Ore.	38
				Columbus, Ohio	42
				Rochester, N.Y.	
				Sacramento, Calif.	

-more-

Word	Char.	Characteristic	Universe	Description
4	3-4	SMSA Rankings (Con't) (From H.S.T.)	SMSA's	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	5	Item 1 - INTERVIEWER CHECK ITEM	All	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household 2 Second CPS-1 of cont. household 3 Third, fourth, etc. CPS-1 4
5	6	Blank		
5	1-3	Blank		
5	4-6	Item 10 - INTERVIEWER CODE	All	Blank or Impossible in any digit -NA, or App-N99 (Excluding I--)
6	1	Item 12 - LINE NO. II'ILD RESP.	All	Blank or Impossible 1-6 Non II'ild Resp. 7
6	2	Item 13 - TYPE INTERVIEW	All	Noninterview 1
				-more-

Attachment C

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

-more-

Attachment C

Description

Universe

Characteristic

Char.

Word	Char.	Characteristic	Universe	Description
7	3-5	PADDING		
	6	Blank		
8	1	Land Usage (Recode) (Edited using Urban/Rural Code from H.S.T. and CPS-1 Document Items 5a. and 5b-new in Feb. 76) Recode reflects "old" Farm Definition.	All	Nonfarm Farm
				1 2, 3
	2-3	Item 4 - TYPE OF LIVING QUARTERS (Recode)	All	Housing Unit House, apt., flat IU in nontransient hotel, etc. IU, permanent, in trans. hotel, motel, etc. IU in rooming house Mobile home or Trailer IU not specified above
				01 02 03 04 05 06

(Effective April 1984, Reflects new farm definition)

-more-

Word	Char.	Characteristic	Universe	Description
0	2-3	Item 4 - TYPE OF LIVING QUARTERS (Recode) (Cont'd)	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 2, 3
5		Blank		
6		Item 9 - HOUSEHOLD NUMBER (Unedited)	All	Blank 1-8
9 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 ΔΔ1-999 9XX Assigned

-more

Attachment 6

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

20	4-5	Month	All	01-12
	6	Year - Last Digit	All	0-9
21	1-6	F111	All	(Binary 01)
22	1-5			
	6	Final Weight	All	"Regular Type B-C" Sub Sample 1 2-4
23	All	Blank		
24	1	Blank		
	2-3	PADDING		
	4-6	JRCERR		
25	1-2	Blank		
	3	PADDING		
	4-6	Blank		
26	1	SMSA Status Code	All	No. of errors charged to enumerator 000-999
	2	Central City Status Code	All	

1	SMSA
2	Non SMSA
3	Not Identifiable
1	Central city
2	Balance of SMSA
3	Non SMSA
4	Not Identifiable

-more-

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 6	Blank			
52					

-more-

Attachment C

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

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 80	1 } 6 }	PADDING		

END OF BASIC CPS RECORD

ATTACHMENT 9

CURRENT POPULATION SURVEY
 ARMED FORCE'S INTERVIEW RECORD LAYOUT
 (BEGINNING JANUARY 1984)
 FOR STANDARD TAPE COPIES

Page 1

Attachment Word	Char.	Characteristic	Universe	Description
1	1	Record type	All	Interview
2	2	Month in Sample (Recorded from Month and Rotation)	All	1-0
3	3	Blank		
4-6	4-6	Household ID Number	All	
2	1-6			
3	1-3			
4	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 H.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 11 } <u>New England Division</u> 12 } Maine 13 } New Hampshire 14 } Vermont 15 } Massachusetts 16 } Rhode Island 21 } <u>Middle Atlantic Division</u> 22 } New York 23 } New Jersey Pennsylvania
5-6		State (1st digit of State Code is Division Code) (From H.S.T.)	All	

--more--

Word	Charact. Code	Universal	Description
3	5-6	All	State (Int digit of State Code in Division Code) (From N.S.T.) (Cont)
			<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 (last digit of State Code in Division Code) (From H.S.T.) (Cont.)	All	<u>West South Central Division</u> Arkansas Louisiana Oklahoma Texas	71 72 73 74
				<u>Mountain Division</u> Montana Idaho Wyoming Colorado New Mexico Arizona Utah Nevada	81 82 83 84 85 86 87 88
				<u>Pacific Division</u> Washington Oregon California Alaska Hawaii	91 92 93 94 95

-more-

Word Chor. Characteristic Universe Description

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

-more-

Word	Char.	Characterizable	Universe	Description	
4	1-2	State Bankings (Cont'd) (From H.S.T.)	All		
				Oregon	31
				Arkansas	32
				Arizona	33
				West Virginia	34
				Nebraska	35
				Utah	36
				New Mexico	37
				Illino	38
				Rhode Island	39
				Maine	40
				District of Columbia	41
				New Hampshire	42
				Idaho	43
				Michigan	44
				South Dakota	45
				North Dakota	46
				Delaware	47
				Nevada	48
				Vermont	49
				Wyoming	50
				Alaska	51

-more-

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

Word	Char.	Characteristic	Universe	Description
1	3-4	SNSA Rankings (Cont.) (From H.S.T.)	SNSA's	30 31 32 33 34 36 38 42 44 45 46 48 49 53 57 Ind. Greensboro-Winston-Salem- High Point, N.C.
5		Item 1 - INTERVIEWER CHECK ITEM	All	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household Second CPS-1 of cont. household Third, fourth, etc. CPS-1
6		Blank		

-more-

Word	Char.	Characteristic	Univorse	Description
5	1-3	blank		
6	1-6	<u>Item 10</u> - INTERVIEWER CODE	ALL	Blank or Impossible in any digit -11, or APR-199 (Excluding 1--)
6	1	<u>Item 12</u> - LINE NO. H'ILD RESH.	ALL	Blank or Impossible 1-6 7
2		<u>Item 13</u> - TYPE INTERVIEW	ALL	Non H'ild Resp. Blank Personal Tel. - Regular Tel. - Callback ICR Filled - 2 3 4 5
3-6		<u>Item 11</u> - DATE COMPLETED	ALL	Day of Month -- or 10-29
5-6		PADDING		
7	1-5	PADDING		
	6	BLANK		

-more-

Word	Char.	Characteristic	Universe	Description
0	1	BLANK		
2-3		Item 4 - TYPE OF LIVING QUARTERS (Recode)	All	<p><u>Housing Unit</u></p> <p>01 house, apt., flat</p> <p>02 IU in nontransient hotel, etc.</p> <p>03 IU, permanent, in trans. hotel, motel, etc.</p> <p>04 IU in rooming house</p> <p>05 Mobile home or Trailer</p> <p>06 IU not specified above</p> <p><u>Other Unit</u></p> <p>07 Qtrs. not IU in rooming or boarding house</p> <p>08 Unit not permanent in trans. hotel, motel, etc.</p> <p>09 Tent or trailer site</p> <p>10 Other not IU</p>
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	<p>1 Nonfarm</p> <p>2, 3 Farm</p>

Description

Universe

Characteristic

Word

Word	Char.	Characteristic	Universe	Description
8	5	Blank		
	6	Item 9 - HOUSEHOLD NUMBER	ALL	1-0

9	1	} PADDING		
18	6			

Word	Character	Characterized	Universe	Description
19	1-3	PADDING		001-999
	4-6	Document Count (Within Work Unit)	ALL	
0	1-3	Work Unit Number (From Breaker Sheet)	ALL	001 or ΔΔ1-99 9XX Assigned If Breaker was missing
	4-5	Month	ALL	01-12
	6	Year - Last Digit	ALL	0-9
21 & 22	ALL	Final Weight	ALL	Two Understood Decimal Places. (Right Justified, space fill -01)
23	1-6	PADDING		

-- mofu --

Word	Char.	Characterizable	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 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

--MORE--

Word	Char.	Characteristic	Universe	Description
26	5	Item 101 - ETHNICITY (Recode)	ALL	1 Mexican American 2 Chicano 3 Mexican (Mexicano) 4 Puerto Rican 5 Cuban 6 Central or South American 7 Other Spanish 8 All other 9 Do Not Know A NA
	6	PADDING		
27	1-2	PADDING		
27	3	BLANK		
	4 } 5 }	PADDING		
	6	BLANK		
28	1 } Through 6 }	PADDING		

ATTACHMENT D (Armed Forces)

HORO CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
65	1-2 Item 10A - LINE NUMBER	ALL	Line Number	01-39
3	Item 100 - RELATIONSHIP TO REFERENCE PERSON	ALL	Reference Person with other relatives in household Reference Person with no other relatives in household Husband Wife Own child Parent Brother/Sister Other relative of reference person Non-relative of reference person - with own relatives in household Non-relative of reference person - no own relatives in household	1 2 3 4 5 6 7 8 9 A
4-5	Item 10C - PARENT'S LINE NUMBER	ALL	None Parent's line number	00 01-39
6	PADDING			
66	1-2 Item 100 - AGE	ALL	Age in Years	14-99
3	Item 10E - MARITAL STATUS	ALL	Married-civilian spouse present Married-Armed Forces spouse present Married-spouse absent (Exclude separated) Widowed Divorced Separated Never married	1 2 3 4 5 6 7
4-5	Item 10F - SPOUSE'S LINE NUMBER	ALL	None Spouse's line number	00 01-39
6	Item 10G - SEX	ALL	Male Female	1 2

ATTACHMENT D (Armed Forces)

WORD CHAR. CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
67	1	PADDING			
2-3		Item 101 - HIGHEST GRADE (of school) ATTENDED	ALL	None E1 E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12 E13 E14 C1 C2 C3 C4 C5 C6*	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18
4		Item 101 - GRADE COMPLETED	ALL	Yes No	1 2
5		Item 10J - RACE	ALL	White Black Other	1 2 3
6		PADDING			
68	1-2	PADDING			
3-4		FAMILY ORDER	ALL	Not a Family Member Primary Family Member Only Subfamily Member	00 01 02-39
5		FAMILY TYPE	ALL	Primary Family Primary Individual Related Subfamily Unrelated Subfamily Secondary Individual	1 2 3 4 5
6		FAMILY RELATIONSHIP	ALL	Not a Family Member Reference Person Spouse Child Other Relative (Primary family only)	0 1 2 3 4

ATTACHMENT D (Armed Forces)	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
69	1-4 5 6 70			
	PADDING			0 1 2
	LINE NUMBER ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	RELATIONSHIP TO REFERENCE PERSON ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	PARENT'S LINE NUMBER ALLOCATION FLAG	ALL	No Change Value Allocated	0 2
	AGE ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	MARITAL STATUS ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	SPOUSE'S LINE NUMBER ALLOCATION FLAG	ALL	No Change Value Allocated	0 2
	SEX ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	PADDING			
71	1 2 3 4			
	HIGHEST GRADE ATTENDED ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	GRADE COMPLETED ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	RACE ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	ORIGIN ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
	PADDING			
	5 thru 3			
72				

ATTACHMENT D (Armed Forces)		UNIVERSE	DESCRIPTION	VALUES
WORD	CHARACTERISTIC			
72	4 AGE OF PRIMARY FAMILY HOUSEHOLDER	ALL	Not a Family Member < 25 Years Old 25-44 Years Old 45-54 Years Old 55-64 Years Old 65+ Years Old	0 1 2 3 4 5
5-6	SIZE OF PRIMARY FAMILY	ALL	Not in Primary Family Number Individuals with HD 10015-1,3	00 01-39
73	1 PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS	ALL	Not in Primary Family No One Employed Some Employed - No Home and Salary Workers With Hagan and Salary Workers Husband, Wife or Reference Person Self-Employed With Hagan and Salary Workers Husband, Wife or Reference Person Not Self-Employed Other Household Member Self-Employed With Hagan and Salary Workers Only	0 1 2 3 4 5
2	USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS	ALL	Not in Primary Family No Earners All Earners Full Time Some Full Time, Some Part Time All Earners Part Time	0 1 2 3 4
3	LABOR FORCE AND EARNER STATUS (MALE) OF HUSBAND OF PRIMARY FAMILY OR MALE HOUSEHOLDER	ALL	Not in Primary Family/No Male Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
4	LABOR FORCE AND EARNER STATUS (FEMALE) OF WIFE OF PRIMARY FAMILY OR FEMALE HOUSEHOLDER	ALL	Not in Primary Family/No Female Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
8	NUMBER OF EARNERS IN PRIMARY FAMILY	ALL	Not in Primary Family No Earners 1-0 Earners 9+ Earners	0 0 1-8 9

ATTACHMENT D (Armed Forces)

WORD CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
73 6	NUMBER OF UNEMPLOYED IN PRIMARY FAMILY	ALL	Not in Primary Family No Unemployed 1-0 Unemployed 9+ Unemployed	0 0 1-8 9
74 1	HOUSEHOLD TYPE	ALL	Husband/Wife Primary Family - (He/Her Husband or Wife in Armed Forces) Husband/Wife Primary Family - (Husband and/or Wife in Armed Forces) Unmarried Civilian Male Primary Family Householder Unmarried Civilian Female Primary Family Householder Primary Family Household - Reference Person in Armed Forces and Unmarried Civilian Male Primary Individual Civilian Female Primary Individual Primary Individual Household - Reference Person in Armed Forces Group Quarters	1 2 3 4 5 6 7 8 9
2	NUMBER OF OWN CHILDREN LESS THAN 18 IN PRIMARY FAMILY	ALL	Not in Primary Family No Child 1 Child 2 Children 3 Children 4 Children 5 Children 6 Children 7 Children 8+ Children	0 1 2 3 4 5 6 7 8 9
3	PRESENCE OF OWN CHILDREN LESS THAN 18 IN PRIMARY FAMILY	ALL	Not in Primary Family No Children < 10 Years Old All Children 14-17 Years Old All Children 6-13 Years Old All Children 0-5 Years Old Children 14-17 and 6-13 (No Children 0-5) Children 14-17 and 0-5 (No Children 6-13) Children 6-13 and 0-5 (No Children 14-17) Children from all Age Groups	0 1 2 3 4 5 6 7 8
4	PRIMARY FAMILY RELATIONSHIP	ALL	Not in Primary Family Husband Wife Own Child Other Relative Unmarried Reference Person	0 1 2 3 4 5

ATTACHMENT D (Armed Forces)	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
WORD CHAR.				
74	5-6			
	PADDING			
75	1-6	ALL	Two Implied Decimal Places, Right Justified, Space Filled (01)	
76 nd	1-6			
	HOUSEHOLD SIZE	ALL	Number of Persons in Household	01-39
77	1-2	ALL	Number of Families	00-39
	NUMBER OF FAMILIES IN HOUSEHOLD			
	PADDING			
78	1-6	HIS=4,6	Two Implied Decimal Places, Right Justified, Space Filled (01)	
79 nd	1-6			
	FAMILY EARNINGS HEIGHT			
80	1-2			
	PADDING			
	TOTAL WEEKLY FAMILY EARNINGS	HIS=4,6	Not in Primary Family Usual Weekly Family Earnings	Blank 0000-9999
3-6				

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

Attachment 10

Current Population Survey
May 1985 Work Schedule, Dual Job, etc. Supplement

The following pages contain the record layout for the supplement section of the May 1985 Work Schedules, Dual Jobholding, etc. supplement to the Current Population Survey. These data have been adjusted for supplement noninterviews, so use the supplement weight (found in words 96 and 97) for tallying the supplement data. There is an implied universe flag for all supplement items. Screen on this flag (word 81, char 1 = 0) for all supplement tallies. The following abbreviations are used to describe the universe for each supplement item. Also given is the location for each of the characteristics used to describe a universe.

Abbreviation	Characteristic	Location
ESR	Employment Status Recode	Word 19:1
COW	Class of Worker	Word 61:1
DJF	Dual Job Flag	Word 85:6

The I-XX characteristics used in the universe descriptions refer to other supplement items, since entries in an earlier item are used to skip ineligibles around certain items.

There are four items on the supplement dealing with the starting and ending time of work. For these items, 12 midnight is coded as 12 a.m. and 12 noon is coded as 12 p.m.

MAY 1985 CURRENT POPULATION SURVEY
 WORK SCHEDULES, DUAL JOBHOLDING, PREMIUM PAY, ETC. SUPPLEMENT

				<u>Universe</u>
*WORD 81	CHAR 1	SUPPLEMENT UNIVERSE FLAG	(0-2)	ALL
		0 = In Universe-Supplement Interview		
		1 = In Universe-Supplement Noninterview		
		2 = Not in Universe		
*****	CHAR 2	PADDING		
*****	CHAR 3-4	I30 (HRSPWK) - YOU TOLD ME THAT ... WORKED FOR ... HOW MANY HOURS PER WEEK DOES ... USUALLY WORK AT THIS JOB	(00-99)	ESR=1 or 2
		00 = N.I.U.		
		01-99 = HOURS		
*****	CHAR 5-6	I31 (HRPDAY) - IN HIS/HER WORK FOR... HOW MANY HOURS PER DAY DOES...USUALLY WORK AT THIS JOB	(00-24)	ESR=1 or 2
		00 = N.I.U.		
		01-24 = HOURS		
*WORD 82	CHAR 1	BLANK OR PADDING		
*****	CHAR 2	I32 (DAYPWK) - HOW MANY DAYS A WEEK DOES ...USUALLY WORK AT THIS JOB	(0-9)	ESR=1 or 2
		0 = N.I.U.		
		1 = ONE DAY		
		2 = TWO DAYS		
		3 = THREE DAYS		
		4 = FOUR DAYS		
		5 = FOUR AND ONE-HALF DAYS		
		6 = FIVE DAYS		
		7 = FIVE AND ONE-HALF DAYS DAYS		
		8 = SIX DAYS		
		9 = SEVEN DAYS		
*****		I33 - WHICH DAYS OF THE WEEK DOES...USUALLY WORK THIS JOB	(0,1,9)	ESR=1 or 2
	CHAR 3	0 = N.A. OR N.I.U. 1 = SUNDAY		
	CHAR 4	0 = N.A. OR N.I.U. 1 = MONDAY		
	CHAR 5	0 = N.A. OR N.I.U. 1 = TUESDAY		
	CHAR 6	0 = N.A. OR N.I.U. 1 = WEDNESDAY		
*WORD 83	CHAR 1	0 = N.A. OR N.I.U. 1 = THURSDAY		
	CHAR 2	0 = N.A. OR N.I.U. 1 = FRIDAY		
	CHAR 3	0 = N.A. OR N.I.U. 1 = SATURDAY 9 = N.A. FOR ALL 7 DAYS		

CHAR 4-5 I34 (STWKTU)- LAST WEEK AT WHAT TIME
OF DAY DID...BEGIN WORK
ON THIS JOB

ESR=1

00 = N.I.U.
01 = ONE O'CLOCK
02 = TWO O'CLOCK
03 = THREE O'CLOCK
04 = FOUR O'CLOCK
05 = FIVE O'CLOCK
06 = SIX O'CLOCK
07 = SEVEN O'CLOCK
08 = EIGHT O'CLOCK
09 = NINE O'CLOCK
10 = TEN O'CLOCK
11 = ELEVEN O'CLOCK
12 = TWELVE

CHAR 6 I34A (STAMPH) - AM OR PM

(0-2)

ESR=1

0 = N.I.U.
1 = AM
2 = PM

WORD 84 CHAR 1-2 I35 (ENDTIM) - LAST WEEK AT WHAT TIME OF
DAY DID...END WORK ON THIS
JOB MOST DAYS

ESR=1

00 = N.I.U.
01 = ONE O'CLOCK
02 = TWO O'CLOCK
03 = THREE O'CLOCK
04 = FOUR O'CLOCK
05 = FIVE O'CLOCK
06 = SIX O'CLOCK
07 = SEVEN O'CLOCK
08 = EIGHT O'CLOCK
09 = NINE O'CLOCK
10 = TEN O'CLOCK
11 = ELEVEN O'CLOCK
12 = TWELVE

CHAR 3 I35A(ENDAMP) - AM OR PM

(0-2)

ESR=1

0 = N.I.U.
1 = AM
2 = PM

CHAR 4 I36 (WKSKD) - WHICH OF THE FOLLOWING BEST (0-6)
DESCRIBES THE HOURS...USUALLY
WORKS AT THIS JOB

ESR=1 or 2

0 = N.I.U.
1 = A REGULAR DAYTIME SCHEDULE
2 = A REGULAR EVENING SHIFT
3 = A REGULAR NIGHT SHIFT
4 = A ROTATING SHIFT-ONE THAT CHANGES
PERIODICALLY FROM DAYS TO EVENINGS
OR NIGHTS
5 = A SPLIT SHIFT - ONE CONSISTING OF
TWO DISTINCT PERIODS EACH DAY
6 = OTHER

CHAR 5 I37 (LNGSKD) - HOW LONG HAS...BEEN WORKING (0-6,9)
ON THIS TIME SCHEDULE

I36=2-6

0 = N.I.U.
1 = LESS THAN 1 MONTH
2 = 1 MONTH BUT LESS THAN 6 MONTHS
3 = 6 MONTHS BUT LESS THAN 1 YEAR
4 = 1 YEAR BUT LESS THAN 2 YEARS
5 = 2 YEARS BUT LESS THAN 5 YEARS
6 = 5 YEARS OR MORE
9 = BLANK OR N.A.

***** CHAR 6 I38 (REASON) - WHAT IS THE MAIN REASON WHY (0-9) I36=2-6
 ...WORKS HIS/HER TYPE OF
 SHIFT
 0 = N.I.U.
 VOLUNTARY REASONS:
 1 = BETTER CHILD CARE ARRANGEMENTS
 2 = BETTER PAY
 3 = BETTER ARRANGEMENTS FOR CARE OF
 OTHER FAMILY MEMBERS
 4 = ALLOWS TIME FOR SCHOOL
 5 = OTHER - VOLUNTARY REASON
 INVOLUNTARY REASONS:
 6 = COULD NOT GET ANY OTHER JOB
 7 = REQUIREMENT OF THE JOB
 8 = OTHER - INVOLUNTARY REASON
 9 = BLANK OR N.A.

WORD 85 CHAR 1 I39 (CKITH2) - INTERVIEWER CHECK ITEM (0-2) ESR=1 or 2
 0 = N.I.U.
 1 = ENTRY OF P,F,S OR L IN ITEM23E
 2 = ALL OTHER CASES

***** CHAR 2 I40 (FLXTIN) - IS...ON FLEXTIME OR SOME (0-3) ESR=1 or 2,
 OTHER SCHEDULE THAT ALLOWS C.O.W.=1-4
 WORKERS TO VARY THE TIME
 THEY BEGIN AND END WORK
 0 = N.I.U.
 1 = YES
 2 = NO
 3 = DON'T KNOW

***** CHAR 3 I41 (TEMPWK) - IS... 'S WORK A TEMPORARY JOB (0-2,9) ESR=1 or 2
 C.O.W.=1-4
 0 = N.I.U.
 1 = YES
 2 = NO
 9 = BLANK OR N.A.

***** CHAR 4 I42 (TMSAL) - IS... 'S SALARY PAID BY A (0-2,9) I-41=1
 TEMPORARY HELP AGENCY
 0 = N.I.U.
 1 = YES
 2 = NO
 9 = BLANK OR N.A.

***** CHAR 5 I43 (OVRTIM) - LAST WEEK WAS...PAID (0-2) ESR=1
 OVERTIME FOR ANY OF THE C.O.W.=1-4
 HOURS WORKED
 0 = N.I.U.
 1 = YES
 2 = NO

***** CHAR 6 DUAL JOB flag (0,1) ESR=1 or 2
 0 = N.I.U.
 1 = DUAL JOB HOLDER

WORD 86 CHAR 1-2 I44 (OVRHRS) - HOW MANY HOURS WAS...PAID (00-99) I-43=1
 AT AN OVERTIME RATE
 00 = N.I.U.
 01-97 = HOURS
 98 = 98 HRS. OR MORE
 99 = BLANK OR N.A.

***** CHAR 3 I45 (OVRATE) - WHAT RATE WAS...PAID FOR (0-4,9) I-43=1
 THESE HOURS
 0 = N.I.U.
 1 = TIME AND ON-HALF
 2 = DOUBLE TIME
 3 = GRADUATED RATE
 4 = OTHER
 9 = BLANK OR N.A.

WORD 88 CHAR 1-2 I51 (SCHDTH) - LAST WEEK AT WHAT TIME OF DAY DID...END WORK ON THIS JOB MOST DAYS ESR=1 DJF=1

- 00 = N.I.U.
01 = ONE O'CLOCK
02 = TWO O'CLOCK
03 = THREE O'CLOCK
04 = FOUR O'CLOCK
05 = FIVE O'CLOCK
06 = SIX O'CLOCK
07 = SEVEN O'CLOCK
08 = EIGHT O'CLOCK
09 = NINE O'CLOCK
10 = TEN O'CLOCK
11 = ELEVEN O'CLOCK
12 = TWELVE
99 = BLANK OR N.A.

CHAR 3 I51A (SCHDAN) - AM OR PM (0-2,9) ESR=1 DJF=1
0 = N.I.U.
1 = AM
2 = PM
9 = BLANK OR N.A.

CHAR 4-5 I52 (SECHRS) - HOW MANY HOURS PER WEEK DOES ...USUALLY WORK AT HIS/HER SECOND JOB (00-99) DJF=1
00 = N.I.U.
01-97 = HOURS
98 = 98 HRS. OR MORE
99 = BLANK OR N.A.

CHAR 6 BLANK OR PADDING

WORD 89 CHAR 1-3 I53 (SEERN) - HOW MUCH DOES ... USUALLY EARN PER WEEK AT HIS/HER SECOND JOB (000-999) DJF=1
000 = N.I.U.
001-997 = EARNINGS
998 = 998 OR MORE
999 = BLANK OR N.A.

CHAR 4 I54 (SECS) - WHAT IS THE MAIN REASON THAT... WORKED MORE THAN ONE JOB (0-5,9) DJF=1
0 = N.I.U.
1 = TO MEET REGULAR HOUSEHOLD EXPENSES
2 = TO PAY OFF DEBTS
3 = TO SAVE FOR THE FUTURE
4 = TO GET EXPERIENCE IN A DIFFERENT OCCUPATION OR TO BUILD UP A BUSINESS
5 = OTHER
9 = BLANK OR N.A.

CHAR 5 I55 (SECSAH)- LAST WEEK WHAT WAS... 'S SECOND JOB (0-2) DJF=1
0 = N.I.U.
1 = SAME AS ITEM238-E
2 = DIFFERENT FROM ITEM238-E

CHAR 6 I55E (SECCOM) - CLASS OF WORKER (0-6) DJF=1
0 = N.I.U.
1 = PRIVATE
2 = FEDERAL GOVERNMENT
3 = STATE GOVERNMENT
4 = LOCAL GOVERNMENT
5 = SELF EMPLOYED, INC.
6 = SELF EMPLOYED, NOT INC.

WORD 90 CHAR 1-3 I55B (SECON) - INDUSTRY OF SECOND JOB (000,010-991) DJF=1
000 = N.I.U.
010-991 = INDUSTRY CODE

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***** CHAR 4 I46 (SECJOB)- LAST WEEK, IN ADDITION TO (0-2) ESR=1
...S WORK, DID...HAVE ANY C.O.W.=1-4
OTHER EMPLOYERS
0 = N.I.U.
1 = YES
2 = NO

***** CHAR 5 I46A (SECCNT) - HOW MANY OTHER EMPLOYERS (0-2) I-46=1
0 = N.I.U.
1 = ONE
2 = TWO OR MORE
9 = BLANK OR N.A.

***** CHAR 6 I47(SECEMP) - LAST WEEK IN ADDITION TO (0-2) I-46=2
WORKING FOR WAGES OR SALARY
DID...OPERATE OWN FARM,
BUSINESS OR PROFESSION
0 = N.I.U.
1 = YES
2 = NO

*WORD 87 CHAR 1 I48 (SECHAG) - LAST WEEK, IN ADDITION TO (0-2) ESR=1
TO I23A-D DID...DO ANY C.O.W.=5-7
WORK FOR WAGES OR SALARY
0 = N.I.U.
1 = YES
2 = NO

***** CHAR 2 I49 (SECHAW) - LAST WEEK, DID...HAVE ANOTHER (0-3,9) I-47=2 or
ANOTHER JOB AT WHICH HE/SHE I-48=2 or
DID NOT WORK AT ALL ESR=2
0 = N.I.U.
1 = YES, PAID
2 = YES, NOT PAID
3 = NO
9 = YES, PAY STATUS N.A.

***** CHAR 3-4 I50 (SECTIM)- LAST WEEK AT WHAT TIME OF ESR=1
DAY DID...BEGIN WORK ON THIS DJF=1
JOB MOST DAYS
00 = N.I.U.
01 = ONE O'CLOCK
02 = TWO O'CLOCK
03 = THREE O'CLOCK
04 = FOUR O'CLOCK
05 = FIVE O'CLOCK
06 = SIX O'CLOCK
07 = SEVEN O'CLOCK
08 = EIGHT O'CLOCK
09 = NINE O'CLOCK
10 = TEN O'CLOCK
11 = ELEVEN O'CLOCK
12 = TWELVE
99 = BLANK OR N.A.

***** CHAR 5 I50A (SECAMP) - AM OR PM (0-2,9) ESR=1
DJF=1
0 = N.I.U.
1 = AM
2 = PM
9 = BLANK OR N.A.

***** CHAR 6 BLANK OR PADDING

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***** CHAR 4-6 I55C (SECOCC) - OCCUPATION OF SECOND JOB (000,003-905) DJF=1
 000 = N.I.U.
 003-905 = OCCUPATION CODE

WORD 91 CHAR 1 I55B (SECIND) - ALLOCATION INDICATOR (0,1) DJF=1
 0 = N.I.U. OR NOT ALLOCATED
 1 = ALLOCATED

WORD CHAR 2 I55C (SECOCC) - ALLOCATION INDICATOR (0,1) DJF=1
 0 = N.I.U. OR NOT ALLOCATED
 1 = ALLOCATED

WORD CHAR 3 I55E (SECCOW) - ALLOCATION INDICATOR (0,1) DJF=1
 0 = N.I.U. OR NOT ALLOCATED
 1 = ALLOCATED

***** CHAR 4 BLANK OR PADDING

***** CHAR 5 I56 (HOMEWK) - AS PART OF... 'S REGULARLY (0-2,9) ESR=1 or 2
 SCHEDULED WORK, DOES... DO ANY
 OF HIS/HER WORK FOR ITEM23A-D
 AT HOME
 0 = N.I.U.
 1 = YES
 2 = NO
 9 = BLANK OR N.A.

***** CHAR 6 BLANK OR PADDING

WORD 92 CHAR 1-2 I57 (HOMEHR) - LAST WEEK APPROXIMATELY (00-99) I-56=1
 HOW MANY HOURS OF... 'S
 WORK DID HE/SHE DO AT HOME
 00 = N.I.U.
 01-97 = HOURS OF WORK
 98 = 98 HOURS OR MORE
 99 = BLANK OR N.A.

***** CHAR 3 I58 (SLFPXY) - INTERVIEWER CHECK ITEM (0-2,9) ESR=1 or 2
 WHO IS REPORTING FOR THIS PERSON:
 0 = N.I.U.
 1 = SELF
 2 = OTHER
 9 = BLANK OR N.A.

***** CHAR 4 I59 (CHOICE) - IF YOU HAD A CHOICE, WOULD (0-3,9) ESR=1 or 2
 YOU PREFER TO WORK:
 0 = N.I.U.
 1 = THE SAME NUMBER OF HOURS AND EARN THE SAME MONEY
 2 = FEWER HOURS AT THE SAME RATE OF PAY AND EARN LESS MONEY
 3 = MORE HOURS AT THE SAME RATE OF PAY AND EARN MORE
 MONEY
 9 = BLANK OR N.A.

WORD 92 CHAR 5 }
 THRU }
 WORD 96 CHAR 1 } PADDING

WORD 96 CHAR 2 }
 THRU } Supplement Weight - Adjusted for supplement
 WORD 97 CHAR 6 } noninterviews. Right justified 2 implied decimal places.

WORD 98 CHAR 1 }
 THRU }
 WORD 100 CHAR 6 } PADDING

INDUSTRY CLASSIFICATION CODES

(Numbers in parentheses are the 1972 SIC code equivalents; see Executive Office of the President, Office of Management and Budget, Standard Industrial Classification Manual, 1972 and the 1977 Supplement. "Pt" means part; "n.e.c." means not elsewhere classified.)

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

<u>Code</u>	<u>Industry</u>
141	Floor coverings, except hard surface (227)
142	Yarn, thread, and fabric mills (228, 221-224)
143-149	not used
150	Miscellaneous textile mill products (229)
151-152	Apparel and other finished textile products
151	Apparel and accessories, except knit (231-238)
152	Miscellaneous fabricated textile products (239)
153-159	not used
160-162	Paper and allied products
160	Pulp, paper, and paperboard mills (261-263, 266)
161	Miscellaneous paper and pulp products (264)
162	Paperboard containers and boxes (265)
163-170	not used
171-172	Printing, publishing, and allied industries
171	Newspaper publishing and printing (271)
172	Printing, publishing, and allied industries, except newspapers (272-279)
173-179	not used
180-192	Chemicals and allied products
180	Plastics, synthetics, and resins (282)
181	Drugs (283)
182	Soaps and cosmetics (284)
183-189	not used
190	Paints, varnishes, and related products (285)
191	Agricultural chemicals (287)
192	Industrial and miscellaneous chemicals (281, 286, 289)
193-199	not used
200-201	Petroleum and coal products
200	Petroleum refining (291)
201	Miscellaneous petroleum and coal products (295, 299)
202-209	not used
210-212	Rubber and miscellaneous plastics products
210	Tires and inner tubes (301)
211	Other rubber products, and plastics footwear and belting (302-304, 306)
212	Miscellaneous plastics products (307)
213-219	not used
220-222	Leather and leather products
220	Leather tanning and finishing (311)
221	Footwear, except rubber and plastic (313, 314)
222	Leather products, except footwear (315-317, 319)
223-229	not used
230-391	Durable Goods
230-241	Lumber and wood products, except furniture
230	Logging (241)
231	Sawmills, planing mills, and millwork (242, 243)
232	Wood buildings and mobile homes (245)
233-240	not used
241	Miscellaneous wood products (244, 249)
242	Furniture and fixtures (25)
243-249	not used

<u>Code</u>	<u>Industry</u>
250-262	Stone, clay, glass, and concrete products
250	Glass and glass products (321-323)
251	Cement, concrete, gypsum, and plaster products (324, 327)
252	Structural clay products (325)
253-260	not used
261	Pottery and related products (326)
262	Miscellaneous nonmetallic mineral and stone products (328, 329)
263-269	not used
270-301	Metal industries
270	Blast furnaces, steelworks, rolling and finishing mills (331)
271	Iron and steel foundries (332)
272	Primary aluminum industries (3334, part 334, 3353-3355, 3361)
273-279	not used
280	Other primary metal industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, 339)
281	Cutlery, handtools, and other hardware (342)
282	Fabricated structural metal products (344)
283-289	not used
290	Screw machine products (345)
291	Metal forgings and stampings (346)
292	Ordinance (348)
293-299	not used
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries
302-309	not used
310-332	Machinery, except electrical
310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
313-319	not used
320	Metalworking machinery (354)
321	Office and accounting machines (357, except 3573)
322	Electronic computing equipment (3573)
323-330	not used
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery
333-339	not used
340-350	Electrical machinery, equipment, and supplies
340	Household appliances (363)
341	Radio, T.V., and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
343-349	not used
350	Not specified electrical machinery, equipment, and supplies

<u>Code</u>	<u>Industry</u>
351-370	Transportation equipment
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
353-359	not used
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
363-369	not used
370	Cycles and miscellaneous transportation equipment (375, 379)
371-382	Professional and photographic equipment, and watches
371	Scientific and controlling instruments (381, 382)
372	Optical and health services supplies (383, 384, 385)
373-379	not used
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
382	Not specified professional equipment
383-389	not used
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 except 394)
392	Not specified manufacturing industries <u>1/</u>
393-399	not used
400-472	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
400-432	Transportation
400	Railroads (40)
401	Bus service and urban transit (41 except 412)
402	Taxicab service (412)
403-409	not used
410	Trucking service (421, 423)
411	Warehousing and storage (422)
412	U.S. Postal Service (43)
413-419	not used
420	Water transportation (44)
421	Air transportation (45)
422	Pipe lines, except natural gas (46)
423-431	not used
432	Services incidental to transportation (47)
433-439	not used
440-442	Communications
440	Radio and television broadcasting (483)
441	Telephone (wire and radio) (481)
442	Telegraph and miscellaneous communication services (482, 489)
443-459	not used
460-472	Utilities and sanitary services
460	Electric light and power (491)
461	Gas and steam supply systems (492, 496)
462	Electric and gas, and other combinations (493)
463-469	not used

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

<u>Code</u>	<u>Industry</u>
470	Water supply and irrigation (494, 497)
471	Sanitary services (495)
472	Not specified utilities
473-499	not used
500-571	WHOLESALE TRADE
500-532	Durable Goods
500	Motor vehicles and equipment (501)
501	Furniture and home furnishings (502)
502	Lumber and construction materials (503)
503-509	not used
510	Sporting goods, toys, and hobby goods (504)
511	Metals and minerals, except petroleum (505)
512	Electrical goods (506)
513-520	not used
521	Hardware, plumbing and heating supplies (507)
522	Not specified electrical and hardware products
523-529	not used
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)
532	Miscellaneous wholesale, durable goods (5094, 5099)
533-539	not used
540-571	Nondurable Goods
540	Paper and paper products (511)
541	Drugs, chemicals, and allied products (512, 516)
542	Apparel, fabrics, and notions (513)
543-549	not used
550	Groceries and related products (514)
551	Farm products - raw materials (515)
552	Petroleum products (517)
553-559	not used
560	Alcoholic beverages (518)
561	Farm supplies (5191)
562	Miscellaneous wholesale, nondurable goods (5194, 5198, 5199)
563-570	not used
571	Not specified wholesale trade
572-579	not used
580-691	RETAIL TRADE
580	Lumber and building material retailing (521, 523)
581	Hardware stores (525)
582	Retail nurseries and garden stores (526)
583-589	not used
590	Mobile home dealers (527)
591	Department stores (531)
592	Variety stores (533)
593-599	not used
600	Miscellaneous general merchandise stores (539)
601	Grocery stores (541)
602	Dairy products stores (545)
603-609	not used
610	Retail bakeries (546)
611	Food stores, n.e.c. (542, 543, 544, 549)

<u>Code</u>	<u>Industry</u>
612	Motor vehicle dealers (551, 552)
613-619	not used
620	Auto and home supply stores (553)
621	Gasoline service stations (554)
622	Miscellaneous vehicle dealers (555, 556, 557, 559)
623-629	not used
630	Apparel and accessory stores, except shoe (56, except 566)
631	Shoe stores (566)
632	Furniture and home furnishings stores (571)
633-639	not used
640	Household appliances, TV, and radio stores (572, 573)
641	Eating and drinking places (58)
642	Drug stores (591)
643-649	not used
650	Liquor stores (592)
651	Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652	Book and stationary stores (5942, 5943)
653-659	not used
660	Jewelry stores (5944)
661	Sewing, needlework, and piece goods stores (5949)
662	Mail order houses (5961)
663-669	not used
670	Vending machine operators (5962)
671	Direct selling establishments (5963)
672	Fuel and ice dealers (598)
673-680	not used
681	Retail florists (5992)
682	Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
683-690	not used
691	Not specified retail trade
692-699	not used
700-712	FINANCE, INSURANCE, AND REAL ESTATE
700	Banking (60)
701	Savings and loan associations (612)
702	Credit agencies, n.e.c. (61, except 612)
703-709	not used
710	Security, commodity brokerage, and investment companies (62, 67)
711	Insurance (63, 64)
712	Real estate, including real estate-insurance-law offices (65, 66)
713-720	not used
721-760	BUSINESS AND REPAIR SERVICES
721	Advertising (731)
722	Services to dwellings and other buildings (734)
723-729	not used
730	Commercial research, development, and testing labs (7391, 7397)
731	Personnel supply services (736)
732	Business management and consulting services (7392)
733-739	not used

<u>Code</u>	<u>Industry</u>
740	Computer and data processing services (737)
741	Detective and protective services (7393)
742	Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
743-749	not used
750	Automotive services, except repair (751, 752, 754)
751	Automotive repair shops (753)
752	Electrical repair shops (762, 7694)
753-759	not used
760	Miscellaneous repair services (763, 764, 7692, 7699)
761-791	PERSONAL SERVICES
761	Private households (88)
762	Hotels and motels (701)
763-769	not used
770	Lodging places, except hotels and motels (702, 703, 704)
771	Laundry, cleaning, and garment services (721)
772	Beauty shops (723)
773-779	not used
780	Barber shops (724)
781	Funeral service and crematories (726)
782	Shoe repair shops (725)
783-789	not used
790	Dressmaking shops (part 729)
791	Miscellaneous personal services (722, part 729)
792-799	not used
800-802	ENTERTAINMENT AND RECREATION SERVICES
800	Theaters and motion pictures (78, 792)
801	Bowling alleys, billiard and pool parlors (793)
802	Miscellaneous entertainment and recreation services (791, 794, 799)
803-811	not used
812-892	PROFESSIONAL AND RELATED SERVICES
812	Offices of physicians (801, 803)
813-819	not used
820	Offices of dentists (802)
821	Offices of chiropractors (8041)
822	Offices of optometrists (8042)
823-829	not used
830	Offices of health practitioners, n.e.c. (8049)
831	Hospitals (806)
832	Nursing and personal care facilities (805)
833-839	not used
840	Health services, n.e.c. (807, 808, 809)
841	Legal services (81)
842	Elementary and secondary schools (821)
843-849	not used
850	Colleges and universities (822)
851	Business, trade, and vocational schools (824)
852	Libraries (823)
853-859	not used
860	Educational services, n.e.c. (829)

<u>Code</u>	<u>Industry</u>
861	Job training and vocational rehabilitation services (833)
862	Child day care services (835)
863-869	not used
870	Residential care facilities, without nursing (836)
871	Social services, n.e.c. (832, 839)
872	Museums, art galleries, and zoos (84)
873-879	not used
880	Religious organizations (866)
881	Membership organizations (861-865, 869)
882	Engineering, architectural, and surveying services (891)
883-889	not used
890	Accounting, auditing, and bookkeeping services (893)
891	Noncommercial educational and scientific research (892)
892	Miscellaneous professional and related services (899)
893-889	not used
900-932	PUBLIC ADMINISTRATION
900	Executive and legislative offices (911-913)
901	General government, n.e.c. (919)
902-909	not used
910	Justice, public order, and safety (92)
911-920	not used
921	Public finance, taxation, and monetary policy (93)
922	Administration of human resources programs (94)
923-929	not used
930	Administration of environmental quality and housing programs (95)
931	Administration of economic programs (96)
932	National security and international affairs (97)
933-990	not used
991	Assigned to persons whose labor force status is unemployed and whose last job was Armed Forces.

Attachment 12

OCCUPATIONAL CLASSIFICATION CODES FOR DETAILED OCCUPATIONAL CATEGORIES

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

<u>Code</u>	<u>Occupation</u>
0-2	not used
3-199	MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS
3-37	Executive, Administrative, and Managerial Occupations
3	Legislators (111)
4	Chief executives and general administrators, public administration (112)
5	Administrators and officials, public administration (1132-1139)
6	Administrators, protective services (1131)
7	Financial managers (122)
8	Personnel and labor relations managers (123)
9	Purchasing managers (124)
10-12	not used
13	Managers, marketing, advertising, and public relations (125)
14	Administrators, education and related fields (128)
15	Managers, medicine and health (131)
16	Managers, properties and real estate (1353)
17	Postmasters and mail superintendents (1344)
18	Funeral directors (pt 1359)
19	Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344, 1353, pt 1359)
20-22	not used
23-37	Management Related Occupations
23	Accountants and auditors (1412)
24	Underwriters (1414)
25	Other financial officers (1415, 1419)
26	Management analysts (142)
27	Personnel, training, and labor relations specialists (143)
28	Purchasing agents and buyers, farm products (1443)
29	Buyers, wholesale and retail trade except farm products (1442)
30-32	not used
33	Purchasing agents and buyers, n.e.c. (1449)
34	Business and promotion agents (145)
35	Construction inspectors (1472)
36	Inspectors and compliance officers, exc. construction (1473)
37	Management related occupations, n.e.c. (149)
38-42	not used

<u>Code</u>	<u>Occupation</u>
43-199	Professional Specialty Occupations
43-63	Engineers, Architects, and Surveyors
43	Architects (161)
44-59	Engineers
44	Aerospace (1622)
45	Metallurgical and materials (1623)
46	Mining (1624)
47	Petroleum (1625)
48	Chemical (1626)
49	Nuclear (1627)
50-52	not used
53	Civil (1628)
54	Agricultural (1632)
55	Electrical and electronic (1633, 1636)
56	Industrial (1634)
57	Mechanical (1635)
58	Marine and naval architects (1637)
59	Engineers, n.e.c. (1639)
60-62	not used
63	Surveyors and mapping scientists (164)
64-68	Mathematical and Computer Scientists
64	Computer systems analysts and scientists (171)
65	Operations and systems researchers and analysts (172)
66	Actuaries (1732)
67	Statisticians (1733)
68	Mathematical scientists, n.e.c. (1739)
69-83	Natural Scientists
69	Physicists and astronomers (1842, 1843)
70-72	not used
73	Chemists, except biochemists (1845)
74	Atmospheric and space scientists (1846)
75	Geologists and geodeists (1847)
76	Physical scientists, n.e.c. (1849)
77	Agricultural and food scientists (1853)
78	Biological and life scientists (1854)
79	Forestry and conservation scientists (1852)
80-82	not used
83	Medical scientists (1855)
84-89	Health Diagnosing Occupations
84	Physicians (261)
85	Dentists (262)
86	Veterinarians (27)
87	Optometrists (281)
88	Podiatrists (283)
89	Health diagnosing practitioners, n.e.c. (289)
90-94	not used
95-106	Health Assessment and Treating Occupations
95	Registered nurses (29)
96	Pharmacists (301)
97	Dietitians (302)
98-105	Therapists
98	Inhalation therapists (3031)
99	Occupational therapists (3032)

<u>Code</u>	<u>Occupation</u>
100-102	not used
103	Physical therapists (3033)
104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106	Physicians' assistants (304)
107-112	not used
113-154	Teachers, Postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
120-122	not used
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
130-132	not used
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)
137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
140-142	not used
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
150-152	not used
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
155-159	Teachers, Except Postsecondary
155	Teachers, prekindergarten and kindergarten (231)
156	Teachers, elementary school (232)
157	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
160-162	not used

<u>Code</u>	<u>Occupation</u>
163	Counselors, educational and vocational (24)
164-165	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
166-173	Social Scientists and Urban Planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
170-172	not used
173	Urban planners (192)
174-177	Social, Recreation, and Religious Workers
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
178-179	Lawyers and Judges
178	Lawyers (211)
179	Judges (212)
180-182	not used
183-199	Writers, Artists, Entertainers, and Athletes
183	Authors (321)
184	Technical writers (398)
185	Designers (322)
186	Musicians and composers (323)
187	Actors and directors (324)
188	Painters, sculptors, craft-artists, and artist print-makers (325)
189	Photographers (326)
190-192	not used
193	Dancers (327)
194	Artists, performers, and related workers, n.e.c. (328, 329)
195	Editors and reporters (331)
196	not used
197	Public relations specialists (332)
198	Announcers (333)
199	Athletes (34)
200-202	not used
203-389	TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS
203-235	Technicians and Related Support Occupations
203-208	Health Technologists and Technicians
203	Clinical laboratory technologists and technicians (362)
204	Dental hygienists (363)
205	Health record technologists and technicians (364)
206	Radiologic technicians (365)
207	Licensed practical nurses (366)
208	Health Technologists and technicians, n.e.c. (369)

<u>Code</u>	<u>Occupation</u>
209-212	not used
213-235	Technologists and Technicians, Except Health
213-218	Engineering and Related Technologists and Technicians
213	Electrical and electronic technicians (3711)
214	Industrial engineering technicians (3712)
215	Mechanical engineering technicians (3713)
216	Engineering technicians, n.e.c. (3719)
217	Drafting occupations (372)
218	Surveying and mapping technicians (373)
219-222	not used
223-225	Science Technicians
223	Biological technicians (382)
224	Chemical technicians (3831)
225	Science technicians, n.e.c. (3832, 3833, 384, 389)
226-235	Technicians; Except Health, Engineering, and Science
226	Airplane pilots and navigators (825)
227	Air traffic controllers (392)
228	Broadcast equipment operators (393)
229	Computer programmers (3971, 3972)
230-232	not used
233	Tool programmers, numerical control (3974)
234	Legal assistants (396)
235	Technicians, n.e.c. (399)
236-242	not used
243-285	Sales Occupations
243	Supervisors and proprietors, sales occupations (40)
244-252	not used
253-257	Sales Representatives, Finance and Business Services
253	Insurance sales occupations (4122)
254	Real estate sales occupations (4123)
255	Securities and financial services sales occupations (4124)
256	Advertising and related sales occupations (4153)
257	Sales occupations, other business services (4152)
258-259	Sales Representatives, Commodities Except Retail
258	Sales engineers (421)
259	Sales representatives, mining, manufacturing, and wholesale (423, 424)
260-262	not used
263-278	Sales Workers, Retail and Personal Services
263	Sales workers, motor vehicles and boats (4342, 4344)
264	Sales workers, apparel (4346)
265	Sales workers, shoes (4351)
266	Sales workers, furniture and home furnishings (4348)
267	Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
268	Sales workers, hardware and building supplies (4353)
269	Sales workers, parts (4367)
270-273	not used
274	Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)

<u>Code</u>	<u>Occupation</u>
275	Sales counter clerks (4363)
276	Cashiers (4364)
277	Street and door-to-door sales workers (4366)
278	News vendors (4365)
279-282	not used
283-285	Sales Related Occupations
283	Demonstrators, promoters and models, sales (445)
284	Auctioneers (447)
285	Sales support occupations, n.e.c. (444, 446, 449)
286-302	not used
303-389	Administrative Support Occupations, Including Clerical
303-307	Supervisors, Administrative Support Occupations
303	Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
304	Supervisors, computer equipment operators (4512)
305	Supervisors, financial records processing (4521)
306	Chief communications operators (4523)
307	Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)
308-309	Computer Equipment Operators
308	Computer operators (4612)
309	Peripheral equipment operators (4613)
310-312	not used
313-315	Secretaries, Stenographers and Typists
313	Secretaries (4622)
314	Stenographers (4623)
315	Typists (4624)
316-323	Information Clerks
316	Interviewers (4642)
317	Hotel clerks (4643)
318	Transportation ticket and reservation agents (4644)
319	Receptionists (4645)
320-322	not used
323	Information clerks, n.e.c. (4649)
324	not used
325-336	Records Processing 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)
330-334	not used
335	File clerks (4696)
336	Records clerks (4699)
337-344	Financial Records Processing Occupations
337	Bookkeepers, accounting, and auditing clerks (4712)
338	Payroll and timekeeping clerks (4713)
339	Billing clerks (4715)
340-342	not used

<u>Code</u>	<u>Occupation</u>
343	Cost and rate clerks (4716)
344	Billing, posting, and calculating machine operators (4718)
345-347	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)
348-353	Communications Equipment Operators
348	Telephone operators (4732)
349	Telegraphers (4733)
350-352	not used
353	Communications equipment operators, n.e.c. (4739)
354-357	Mail and Message Distributing Occupations
354	Postal clerks, exc. mail carriers (4742)
355	Mail carriers, postal service (4743)
356	Mail clerks, exc. postal service (4744)
357	Messengers (4745)
358	not used
359-374	Material Recording, Scheduling, and Distributing Clerks, n.e.c.
359	Dispatchers (4751)
360-362	not used
363	Production coordinators (4752)
364	Traffic, shipping, and receiving clerks (4753)
365	Stock and inventory clerks (4754)
366	Meter readers (4755)
367	not used
368	Weighers, measurers, and checkers (4756)
369	Samplers (4757)
370-372	not used
373	Expeditors (4758)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4759)
375-378	Adjusters and Investigators
375	Insurance adjusters, examiners, and investigators (4782)
376	Investigators and adjusters, except insurance (4783)
377	Eligibility clerks, social welfare (4784)
378	Bill and account collectors (4786)
379-389	Miscellaneous Administrative Support Occupations
379	General office clerks (463)
380-382	not used
383	Bank tellers (4791)
384	Proofreaders (4792)
385	Data-entry keyers (4793)
386	Statistical clerks (4794)
387	Teachers aides (4795)
388	not used
389	Administrative support occupations, n.e.c. (4787, 4799)
390-402	not used

<u>Code</u>	<u>Occupation</u>
403-469	SERVICE OCCUPATIONS
403-407	Private Household Occupations
403	Launderers and ironers (503)
404	Cooks, private household (504)
405	Housekeepers and butlers (505)
406	Child care workers, private household (506)
407	Private household cleaners and servants (502, 507, 509)
408-412	not used
413-427	Protective Service Occupations
413-415	Supervisors, Protective Service Occupations
413	Supervisors, firefighting and fire prevention occupations (5111)
414	Supervisors, police and detectives (5112)
415	Supervisors, guards (5113)
416-417	Firefighting and Fire Prevention Occupations
416	Fire inspection and fire prevention occupations (5122)
417	Firefighting occupations (5123)
418-424	Police and Detectives
418	Police and detectives, public service (5132)
419-422	not used
423	Sheriffs, bailiffs, and other law enforcement officers (5134)
424	Correctional institution officers (5133)
425-427	Guards
425	Crossing guards (5142)
426	Guards and police, exc. public service (5144)
427	Protective service occupations, n.e.c. (5149)
428-432	not used
433-469	Service Occupations, Except Protective and Household
433-444	Food Preparation and Service Occupations
433	Supervisors, food preparation and service occupations (5211)
434	Bartenders (5212)
435	Waiters and waitresses (5213)
436	Cooks, except short order (5214)
437	Short-order cooks (5215)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
440-442	not used
443	Waiters'/waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)
445-447	Health Service Occupations
445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
448-455	Cleaning and Building Service Occupations, except Household
448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
450-452	not used
453	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)

<u>Code</u>	<u>Occupation</u>
456-469	Personal Service Occupations
456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
460-462	not used
463	Guides (5255)
464	Ushers (5256)
465	Public transportation attendants (5257)
466	Baggage porters and bellhops (5262)
467	Welfare service aides (5263)
468	Child care workers, except private household (5264)
469	Personal service occupations, n.e.c. (5258, 5269)
470-472	not used
473-499	FARMING, FORESTRY, AND FISHING OCCUPATIONS
473-476	Farm Operators and Managers
473	Farmers, except horticultural (5512-5514)
474	Horticultural specialty farmers (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)
477-489	Other Agricultural and Related Occupations
477-484	Farm Occupations, Except Managerial
477	Supervisors, farm workers (5611)
478	not used
479	Farm workers (5612-5617)
480-482	not used
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)
485-489	Related Agricultural Occupations
485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)
490-493	not used
494-496	Forestry and Logging Occupations
494	Supervisors, forestry and logging workers (571)
495	Forestry workers, except logging (572)
496	Timber cutting and logging occupations (573, 579)
497-499	Fishers, Hunters, and Trappers
497	Captains and other officers, fishing vessels (pt 8241)
498	Fishers (583)
499	Hunters and trappers (584)
500-502	not used

<u>Code</u>	<u>Occupation</u>
503-699	PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS
503-549	Mechanics and Repairers
503	Supervisors, mechanics and repairers (60)
504	not used
505-549	Mechanics and Repairers, Except Supervisors
505-517	Vehicle and Mobile Equipment Mechanics and Repairers
505	Automobile mechanics (pt 6111)
506	Automobile mechanic apprentices (pt 6111)
507	Bus, truck, and stationary engine mechanics (6112)
508	Aircraft engine mechanics (6113)
509	Small engine repairers (6114)
510-513	not used
514	Automobile body and related repairers (6115)
515	Aircraft mechanics, exc. engine (6116)
516	Heavy equipment mechanics (6117)
517	Farm equipment mechanics (6118)
518	Industrial machinery repairers (613)
519	Machinery maintenance occupations (614)
520-522	not used
523-533	Electrical and Electronic Equipment Repairers
523	Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
524	not used
525	Data processing equipment repairers (6154)
526	Household appliance and power tool repairers (6156)
527	Telephone line installers and repairers (6157)
528	not used
529	Telephone installers and repairers (6158)
530-532	not used
533	Miscellaneous electrical and electronic equipment repairers (6152, 6159)
534	Heating, air conditioning, and refrigeration mechanics (616)
535-549	Miscellaneous Mechanics and Repairers
535	Camera, watch, and musical instrument repairers (6171, 6172)
536	Locksmiths and safe repairers (6173)
537	not used
538	Office machine repairers (6174)
539	Mechanical controls and valve repairers (6175)
540-542	not used
543	Elevator installers and repairers (6176)
544	Millwrights (6178)
545-546	not used
547	Specified mechanics and repairers, n.e.c. (6177, 6179)
548	not used
549	Not specified mechanics and repairers
550-552	not used
553-599	Construction Trades
553-558	Supervisors, construction occupations
553	Supervisors; brickmasons, stonemasons, and tile setters (6312)
554	Supervisors, carpenters and related workers (6313)
555	Supervisors, electricians and power transmission installers (6134)
556	Supervisors; painters, paperhangers, and plasterers (6315)

<u>Code</u>	<u>Occupation</u>
557	Supervisors; plumbers, pipefitters, and steamfitters (6316)
558	Supervisors, n.e.c. (6311, 6318)
559-562	not used
563-599	Construction Trades, Except Supervisors
563	Brickmasons and stonemasons (pt 6412, pt 6413)
564	Brickmason and stonemason apprentices (pt 6412, pt 6413)
565	Tile setters, hard and soft (6414, pt 6462)
566	Carpet installers (pt 6462)
567	Carpenters (pt 6422)
568	not used
569	Carpenter apprentices (pt 6422)
570-572	not used
573	Drywall installers (6424)
574	not used
575	Electricians (pt 6432)
576	Electrician apprentices (pt 6432)
577	Electrical power installers and repairers (6433)
578	not used
579	Painters, construction and maintenance (6442)
580-582	not used
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (pt 645)
586	not used
587	Plumber, pipefitter, and steamfitter apprentices (pt 645)
588	Concrete and terrazzo finishers (6463)
589	Glaziers (6464)
590-592	not used
593	Insulation workers (6465)
594	Paving, surfacing, and tamping equipment operators (6466)
595	Roofers (6468)
596	Sheetmetal duct installers (6472)
597	Structural metal workers (6473)
598	Drillers, earth (6474)
599	Construction trades, n.e.c. (6467, 6475, 6476, 6479)
600-612	not used
613-617	Extractive Occupations
613	Supervisors, extractive occupations (632)
614	Drillers, oil well (652)
615	Explosives workers (653)
616	Mining machine operators (654)
617	Mining occupations, n.e.c. (656)
618-632	not used
633-699	Precision Production Occupations
633	Supervisors, production occupations (67, 71)
634-655	Precision Metal Working Occupations
634	Tool and die makers (pt 6811)
635	Tool and die maker apprentices (pt 6811)
636	Precision assemblers, metal (6812)
637	Machinists (pt 6813)


<u>Code</u>	<u>Occupation</u>
638	not used
639	Machinist apprentices (pt 6813)
640-642	not used
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Pattermakers and model makers, metal (6817)
646	Lay-out workers (6821)
647	Precious stones and metals workers (jewelers) (6822, 6866)
648	not used
649	Engravers, metal (6823)
650-652	not used
653	Sheet metal workers (pt 6824)
654	Sheet metal worker apprentices (pt 6824)
655	Miscellaneous precision metal workers (6829)
656-659	Precision Woodworking Occupations
656	Pattermakers and model makers, wood (6831)
657	Cabinet makers and bench carpenters (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
660-665	not used
666-674	Precision Textile, Apparel, and Furnishings Machine Workers
666	Dressmakers (pt 6852, pt 7752)
667	Tailors (pt 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
670-672	not used
673	Apparel and fabric pattermakers (6856)
674	Miscellaneous precision apparel and fabric workers (6859, pt 7752)
675-684	Precision Workers, Assorted Materials
675	Hand molders and shapers, except jewelers (6861)
676	Pattermakers, lay-out workers, and cutters (6862)
677	Optical goods workers (6864, pt 7477, pt 7677)
678	Dental laboratory and medical appliance technicians (6865)
679	Bookbinders (6844)
680-682	not used
683	Electrical and electronic equipment assemblers (6867)
684	Miscellaneous precision workers, n.e.c. (6869)
685	not used
686-688	Precision Food Production Occupations
686	Butchers and meat cutters (6871)
687	Bakers (6872)
688	Food batchmakers (6873, 6879)
689-693	Precision Inspectors, Testers, and Related Workers
689	Inspectors, testers, and graders (6881, 828)
690-692	not used
693	Adjusters and calibrators (6882)
694-699	Plant and System Operators
694	Water and sewage treatment plant operators (691)
695	Power plant operators (pt 693)
696	Stationary engineers (pt 693, 7668)
697-698	not used
699	Miscellaneous plant and system operators (692, 694, 695, 696)
700-702	not used

<u>Code</u>	<u>Occupation</u>
703-889	OPERATORS, FABRICATORS, AND LABORERS
703-799	Machine Operators, Assemblers, and Inspectors
703-779	Machine Operators and Tenders, except Precision
703-715	Metalworking and Plastic Working Machine Operators
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
710-712	not used
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
716	not used
717	Fabricating machine operators, n.e.c. (7339, 7539)
718	not used
719-725	Metal and Plastic Processing Machine Operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
720-722	not used
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
726-733	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	Nail and tacking machine operators (7636)
730-732	not used
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
734-737	Printing Machine Operators
734	Printing machine operators (7443, 7643)
735	Photoengravers and lithographers (6842, 7444, 7644)
736	Typesetters and compositors (6841, 7642)
737	Miscellaneous printing machine operators (6849, 7449, 7649)
738-749	Textile, Apparel, and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
740-742	not used
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745	Shoe machine operators (7656)
746	not used
747	Pressing machine operators (7657)

<u>Code</u>	<u>Occupation</u>
748	Laundrying and dry cleaning machine operators (6855, 7658)
749	Miscellaneous textile machine operators (7459, 7659)
750-752	not used
753-779	Machine Operators, Assorted Materials
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (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)
760-762	not used
763	Roasting and baking machine operators, food (7472, 7672)
764	Washing, cleaning, and pickling machine operators (7673)
765	Folding machine operators (7474, 7674)
766	Furnace, kiln, and oven operators, exc. food (7675)
767	not used
768	Crushing and grinding machine operators (pt 7477, pt 7677)
769	Slicing and cutting machine operators (7478, 7678)
770-772	not used
773	Motion picture projectionists (pt 7479)
774	Photographic process machine operators (6863, 6868, 7671)
775-776	not used
777	Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
778	not used
779	Machine operators, not specified
780-782	not used
783-795	Fabricators, Assemblers, and Hand Working Occupations
783	Welders and cutters (7332, 7532, 7714)
784	Solderers and brazers (7333, 7533, 7717)
785	Assemblers (772, 774)
786	Hand cutting and trimming occupations (7753)
787	Hand molding, casting, and forming occupations (7754, 7755)
788	not used
789	Hand painting, coating, and decorating occupations (7756)
790-792	not used
793	Hand engraving and printing occupations (7757)
794	Hand grinding and polishing occupations (7758)
795	Miscellaneous hand working occupations (7759)
796-799	Production Inspectors, Testers, Samplers, and Weighers
796	Production inspectors, checkers, and examiners (782, 787)
797	Production testers (783)
798	Production samplers and weighers (784)
799	Graders and sorters, exc. agricultural (785)
800-802	not used
803-859	Transportation and Material Moving Occupations
803-814	Motor Vehicle Operators
803	Supervisors, motor vehicle operators (8111)
804	Truck drivers, heavy (8212, 8213)
805	Truck drivers, light (8214)

<u>Code</u>	<u>Occupation</u>
806	Driver-sales workers (8218)
807	not used
808	Bus drivers (8215)
809	Taxicab drivers and chauffeurs (8216)
810-812	not used
813	Parking lot attendants (874)
814	Motor transportation occupations, n.e.c. (8219)
815-822	not used
823-834	Transportation Occupations, Except Motor Vehicles
823-826	Rail Transportation Occupations
823	Railroad conductors and yardmasters (8113)
824	Locomotive operating occupations (8232)
825	Railroad brake, signal, and switch operators (8233)
826	Rail vehicle operators, n.e.c. (8239)
827	not used
828-834	Water Transportation Occupations
828	Ship captains and mates, except fishing boats (pt 8241, 8242)
829	Sailors and deckhands (8243)
830-832	not used
833	Marine engineers (8244)
834	Bridge, lock, and lighthouse tenders (8245)
835-842	not used
843-859	Material Moving Equipment Operators
843	Supervisors, material moving equipment operators (812)
844	Operating engineers (8312)
845	Longshore equipment operators (8313)
846-847	not used
848	Hoist and winch operators (8314)
849	Crane and tower operators (8315)
850-852	not used
853	Excavating and loading machine operators (8316)
854	not used
855	Grader, dozer, and scraper operators (8317)
856	Industrial truck and tractor equipment operators (8318)
857-858	not used
859	Miscellaneous material moving equipment operators (8319)
860-862	not used
863-889	Handlers, Equipment Cleaners, Helpers, and Laborers
863	Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
864	Helpers, mechanics and repairers (863)
865-867	Helpers, Construction and Extractive Occupations
865	Helpers, construction trades (8641-8645, 8648)
866	Helpers, surveyor (8646)
867	Helpers, extractive occupations (865)
868	not used
869	Construction laborers (871)
870-872	not used
873	Production helpers (861, 862)
874	not used

Attachment 13
Questionnaire Facsimile

<p>INTERVIEWER CHECK ITEM</p> <p>Only CPS 1 for household <input type="checkbox"/></p> <p>First CPS 1 of continuation n hold <input type="checkbox"/></p> <p>Second CPS 1 of continuation n hold <input type="checkbox"/></p> <p>Third, fourth, and 5th CPS-1 <input type="checkbox"/></p>	<p>FORM CPS-1</p>  <p>U.S. DEPARTMENT OF COMMERCE Bureau of the Census</p> <p>CURRENT POPULATION SURVEY</p> <p>Form Approved - O.M.B. No. 0607-0049</p>	<p>CONTROL NUMBER</p> <p>PSU SEGMENT SERIAL</p>
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LINE NO OF H'OLD RESP. _____

NON-HOLD RESPONDENT
(Specify and Send Intercomm)

INTERVIEW

ANY ENTRY OTHER THAN "NEVER WORKED IN ITEMS Z3A-E in this CPS-1" Yes No

NONINTERVIEW

TYPE A

TYPE B

TYPE C

(SEND INTER COMM)

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

CURRENT

POPULATION

SURVEY

MAY 1985

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 (Control Card item 14b)	18C. PARENT'S LINE NUMBER	18D. AGE	18G. SEX Male <input type="checkbox"/> Female <input type="checkbox"/>	18K. ORIGIN
	Own Child			18J. RACE 1 White 2 Black 3 Amer Indian, Aleut, Eskimo 4 Asian or Pacific Islander 5 Other	
	Brother/Sister				
	Other relative of Reference Person				
	Non-rel of Reference Person—WITH OWN RELS in household				
	Non-rel of Reference Person—NO OWN RELS in household	None			

SECOND CHILD					
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON (Control Card item 14b)	18C. PARENT'S LINE NUMBER	18D. AGE	18G. SEX Male <input type="checkbox"/> Female <input type="checkbox"/>	18K. ORIGIN
	Own Child			18J. RACE 1 White 2 Black 3 Amer Indian, Aleut, Eskimo 4 Asian or Pacific Islander 5 Other	
	Brother/Sister				
	Other relative of Reference Person				
	Non-rel of Reference Person—WITH OWN RELS in household				
	Non-rel of Reference Person—NO OWN RELS in household	None			

THIRD CHILD					
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON (Control Card item 14b)	18C. PARENT'S LINE NUMBER	18D. AGE	18G. SEX Male <input type="checkbox"/> Female <input type="checkbox"/>	18K. ORIGIN
	Own Child			18J. RACE 1 White 2 Black 3 Amer Indian, Aleut, Eskimo 4 Asian or Pacific Islander 5 Other	
	Brother/Sister				
	Other relative of Reference Person				
	Non-rel of Reference Person—WITH OWN RELS in household				
	Non-rel of Reference Person—NO OWN RELS in household	None			

FOURTH CHILD					
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON (Control Card item 14b)	18C. PARENT'S LINE NUMBER	18D. AGE	18G. SEX Male <input type="checkbox"/> Female <input type="checkbox"/>	18K. ORIGIN
	Own Child			18J. RACE 1 White 2 Black 3 Amer Indian, Aleut, Eskimo 4 Asian or Pacific Islander 5 Other	
	Brother/Sister				
	Other relative of Reference Person				
	Non-rel of Reference Person—WITH OWN RELS in household				
	Non-rel of Reference Person—NO OWN RELS in household	None			

ARMED FORCES MEMBERS TRANSCRIPTION ITEMS

*(Fill only in interview households for persons 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	
	Reference Person WITH other relatives in household			Married—civilian spouse present	
	Reference Person with NO other relatives in household			Married—Armed Forces spouse present	
	Husband			Married—spouse absent (Exclude separated)	
	Wife			Widowed	
	Own child			Divorced	
	Parent			Separated	
	Brother/Sister			Never married	
	Other rel of Ref Person	None			
	Non-rel of Ref Person WITH OWN relatives in household				
	Non-rel of Ref Person with NO OWN relatives in household				
18F. SPOUSE'S LINE NO.	18G. SEX Male <input type="checkbox"/> Female <input checked="" type="checkbox"/>	18H. HIGHEST GRADE ATTENDED E H C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	18I. GRADE COMPLETED Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	18J. RACE 1 White 2 Black 3 Amer Indian, Aleut, Eskimo 4 Asian or Pacific Isl 5 Other	18K. ORIGIN

SECOND ARMED FORCES MEMBER					
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PARENT'S LINE NUMBER	18D. AGE	18E. MARITAL STATUS	
	Reference Person WITH other relatives in household			Married—civilian spouse present	
	Reference Person with NO other relatives in household			Married—Armed Forces spouse present	
	Husband			Married—spouse absent (Exclude separated)	
	Wife			Widowed	
	Own child			Divorced	
	Parent			Separated	
	Brother/Sister			Never married	
	Other rel of Ref Person	None			
	Non-rel of Ref Person WITH OWN relatives in household				
	Non-rel of Ref Person with NO OWN relatives in household				
18F. SPOUSE'S LINE NO.	18G. SEX Male <input type="checkbox"/> Female <input checked="" type="checkbox"/>	18H. HIGHEST GRADE ATTENDED E H C 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 7 7 7 8 8 8	18I. GRADE COMPLETED Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	18J. RACE 1. White 2. Black 3. Amer Indian, Aleut, Eskimo 4. Asian or Pacific Isl 5. Other	18K. ORIGIN



CURRENT POPULATION SURVEY

FORM CPS-1

MONTH 1 2 3 4 5 6 7 8 9 10 11 12

YEAR 85 86 87 88 89 90 91 92 93 94 95

10. INTERVIEWER CODE
A B C D E F G H J K L M
 A B C D E F G H J K L M

11. DATE COMPLETED
1 2
 1 2 3 4 5 6 7 8 9

12. LINE NO. OF H'LD RESP.
1 2 3 4 5 6
Non. h'ld. resp. (Specify) (Send Inter Comm Interviewed Households Only)

1. INTERVIEWER CHECK ITEM
Only CPS-1 for household *(Fill all applicable items on this page)*
First CPS-1 of continuation h'ld.
Second CPS-1 of continuation h'ld *(Transcribe items 1e-13 from first CPS-1)*
Third, fourth, etc. CPS-1

1a. COLOR CONTROL CARD
Yellow C.C. (70 materials)
White C.C. (80 materials)

2. SAMPLE
A B C D E
 A B C D E

3. CONTROL NUMBER

4. TYPE OF LIVING QUARTERS

HOUSING UNIT	OTHER UNIT
House, apartment, flat <input type="radio"/>	Quarters not HU in rooming or boarding house <input type="radio"/>
HU in nontransient hotel, motel, etc. <input type="radio"/>	Unit not permanent in transient hotel, motel, etc. <input type="radio"/>
HU, permanent, in transient hotel, motel, etc. <input type="radio"/>	Tent site or trailer site <input type="radio"/>
HU in rooming house <input type="radio"/>	Student quarters in college dormitory <input type="radio"/>
Mobile home or trailer with no permanent room added <input type="radio"/>	Other not HU (Describe below) <input type="radio"/>
Mobile home or trailer with one or more permanent rooms added <input type="radio"/>	
HU not specified above (Describe below) <input type="radio"/>	

5a. LAND USAGE
Urban
Rural (Fill 5b)

5b. FARM SALES
\$1000 or more
Less than \$1000

6. PSU NO.

7. SEGMENT NO.

8. SERIAL NO.

9. HOUSE-HOLD NO.

(Go to 10)

13. TYPE INTERVIEW
Noninterview
Personal
Tel. - regular
Tel. - callback
ICR filled

TYPE A		TYPE B		TYPE C (Send Inter Comm)		SEASONAL STATUS	
14. (Mark reason and race.)		15.		Demolished <input type="radio"/>		16. This unit is intended for occupancy:	
REASON	RACE	Vacant - regular <input type="radio"/>	<i>(Fill 16)</i>	House or trailer moved <input type="radio"/>	<input type="radio"/>	Year round <input type="radio"/>	<i>(Fill MVS if HU in Item 4)</i>
No one home <input type="radio"/>	White <input type="radio"/>	Vacant - storage of h'ld furniture <input type="radio"/>		Temp. occ. by persons with URE <input type="radio"/>		Outside segment <input type="radio"/>	By migratory workers <input type="radio"/>
Temporarily absent <input type="radio"/>	Black <input type="radio"/>	Unfit or to be demolished <input type="radio"/>	<i>(Omit 16-17)</i>	Converted to permanent business or storage <input type="radio"/>	<i>(Omit 16-17)</i>	17. This unit is intended for occupancy:	
Refused <input type="radio"/>	All other <input type="radio"/>	Under construction, not ready <input type="radio"/>		Merged <input type="radio"/>		Condemned <input type="radio"/>	Summers only <input type="radio"/>
Other - Occ (Describe below) <input type="radio"/>		Converted to temp. business or storage <input type="radio"/>		Built after April 1, 1970 <input type="radio"/>	Built after April 1, 1980 <input type="radio"/>	Winters only <input type="radio"/>	
		Occ. by Armed Force members or persons under 14 <input type="radio"/>		Built after April 1, 1980 <input type="radio"/>	Unoccupied tent site or trailer site <input type="radio"/>	Other (Describe below) <input type="radio"/>	
		Permit granted, construction not started <input type="radio"/>		Unusual line of listing sheet <input type="radio"/>	Other (Describe below) <input type="radio"/>		
		Other (Specify below) <input type="radio"/>					

TRANSCRIPTION ITEMS Fill on FIRST CPS-1 of interviewed households

27A. TENURE
(Transcribe from cc item 9 (yellow) or item 10 (white))
Owned or being bought
Rented
No cash rent

27B. HOUSEHOLD STATUS CHANGE
Is this a replacement household for the first time this month?
Yes
No

28. TOTAL FAMILY INCOME
(Transcribe from cc item 33 (yellow) or item 29 (white))
A B C D E F G H I J K L M N

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

Working (Skip to 20A) ... WK
 With a job but not at work ... J
 Looking for work ... LK
 Keeping house ... H
 Going to school ... S
 Unable to work (Skip to 24) ... U
 Retired ... R
 Other (Specify) ... OT

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

Yes No (Go to 21)

20A. How many hours did ... work LAST WEEK at all jobs?

0 1 2 3 4 5 6 7 8 9

20B. INTERVIEWER CHECK ITEM

49 (Skip to Item 23)
 1-34 (Go to 20C)
 35-48 (Go to 20D)

20C. Does ... USUALLY work 35 hours or more a week at this job?

Yes What is the reason ... worked less than 35 hours LAST WEEK?
 No What is the reason ... USUALLY works less than 35 hours a week?
 (Mark the appropriate reason)

Sick work
 Material shortage
 Family machine repair
 New job started during week
 Job terminated during week
 Could find only part-time work
 Holiday (Legal or religious)
 Labor dispute
 Bad weather
 Own illness
 On vacation
 Too busy with housework, school, personal bus. etc.
 Did not want full-time work
 Full-time work week under 35 hours
 Other reason (Specify)

20D. Did ... lose any time or take any time off LAST WEEK for any reason such as illness, holiday or slack work?

Yes 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

20E. Did ... work any overtime or at more than one job LAST WEEK?

Yes How many extra hours did ... work?
 (Correct 20A and 20B as necessary if extra hours not already included and skip to 23.)

No (Skip to 23)

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 No (Go to 22)

21A. Why was ... absent from work LAST WEEK?

Own illness
 On vacation
 Bad weather
 Labor dispute
 New job to begin within 30 days (Skip to 22B and 22C2)
 Temporary layoff (Under 30 days)
 Indefinite layoff (30 days or more or no def. recall date) (Skip to 22C3)
 Other (Specify)

21B. Is ... getting wages or salary for any of the time off LAST WEEK?

Yes
 No
 Self-employed

21C. Does ... usually work 35 hours or more a week at this job?

Yes
 No (Skip to 23 and enter job held last week)

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

Yes No (Go to 24)

22A. What has ... been doing in the last 4 weeks to find work? (Mark all methods used; do not read first.)

Checked with -
 pub. employ. agency
 priv. employ. agency
 employer directly
 friends or relatives
 Placed or answered ads.
 Nothing (Skip to 24)
 Other (Specify in notes, e.g., TPA, union or prof. register, etc.)

22B. 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
 Quit job
 Left school
 Wanted temporary work
 Other (Specify in notes)

22C. 1) How many weeks has ... been looking for work?

2) How many weeks ago did ... start looking for work?

3) How many weeks ago was ... laid off?

22D. Has ... been looking for full-time or part-time work?

Full Part

22E. Is there any reason why ... could not take a job LAST WEEK?

Yes
 Already has a job
 Temporary illness
 Going to school
 Other (Specify in notes)

No

22F. When did ... last work at a full-time job or business lasting 2 consecutive weeks or more? Within last 12 months (Specify) (Month) _____

One to five years ago
 More than 5 years ago
 Never worked full-time 2 wks. or more
 Never worked at all
 (SKIP to 23. If layoff entered in 21A, enter job, either full or part time, from which laid off. Else enter last full time job lasting 2 weeks or more, or "never worked.")

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 a PRIVATE Co. bus. or individual for wages, salary or comm. P
 A FEDERAL government employee F (Go to 23F)
 A STATE government employee S
 A LOCAL government employee L
 Self-empl. in OWN bus., prof. practice, or farm
 Is the business incorporated? Yes I No SE (Skip to 26)
 Working WITHOUT PAY in fam. bus. or farm WP
 NEVER WORKED NEV

23F. INTERVIEWER CHECK ITEM

Entry (or NA) in item 20A (Go to 25 at top of page)
 Entry (or NA) in item 21B
 All other cases (Skip to 26)

24. INTERVIEWER CHECK ITEM (Rotation number)

First digit of SEGMENT number is:
 1, 2, 4, 5, 6 or 8 (Skip to 26)
 3 or 7 (Go to 24A)

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

Within past 12 months
 1 up to 2 years ago
 2 up to 3 years ago (Go to 24B)
 3 up to 4 years ago
 4 up to 5 years ago
 5 or more years ago (Skip to 24C)
 Never worked

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

Personal, family (incl. pregnancy) or school
 Health
 Retirement or old age
 Seasonal job completed
 Slack work or business conditions
 Temporary nonseasonal job completed
 Unsatisfactory work arrangements (Hours, pay, etc.)
 Other

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

Yes (Go to 24D)
 Maybe - it depends (Specify in notes)
 No (Skip to 24E)
 Don't know

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

Believe no work available in line of work or area
 Couldn't find any work
 Lacks nec. schooling, training, skills or experience
 Employers think too young or too old
 Other pers. handicap in finding job
 Can't arrange child care
 Family responsibilities
 In school or other training
 Ill health, physical disability
 Other (Specify in notes)
 Don't know

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

Yes
 It depends (Specify in notes)
 No
 Don't know (If entry in 24B, describe job in 23, otherwise, skip to 26)

25. INTERVIEWER CHECK ITEM (Rotation number)

First digit of SEGMENT number is:
 1, 2, 4, 5, 6 or 8 (Skip to 26)
 3 or 7 (Go to 25A)

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

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

Yes (Go to 25C)
 No (Skip to 25D)

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

\$

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

\$

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

Yes (Skip to 26)
 No (Ask 25F)

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

Yes (Go to 26)
 No

18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PARENT'S LINE NUMBER	18D. AGE	18E. MARITAL STATUS	18F. SPOUSE'S LINE NUMBER	18G. SEX AND VETERAN STATUS	18H. HIGHEST GRADE ATTENDED	18I. GRADE COMPLETED	18J. RACE	18K. ORIGIN	
	Reference Person WITH other relatives in household			Married - civilian spouse present		Male (Also Mark Vet. Status)	E M C	Yes	1 White		
	Reference Person with NO other relatives in household			Married - Armed Forces spouse present		Vietnam Era		No	2 Black		
	Husband			Married - spouse absent (Exclude separated)		Korean War			3 Amer. Indian, Aleut, Eskimo		
	Wife			Widowed		World War II			4 Asian or Pacific Isl.		
	Own child			Divorced		World War I			5 Other		
	Parent			Separated		Other Service					
	Brother/Sister			Never married		Nonveteran					
	Other rel. of Ref. Person					Female					
	Non-rel. of Ref. Person WITH OWN relatives in household	None			None						
	Non-rel. of Ref. Person with NO OWN relatives in household										
26. INTERVIEWER CHECK ITEM (Transcribe from control card item 18) This person is 16-24 years of age (Ask 26A) All others (End Questions)		26A. (If 'School' in 19, Verify) LAST WEEK was ... attending or enrolled in a high school, college, or university? (Mark "Yes" if currently on holiday or seasonal vacation. Mark "No" for summer vacation) Yes (Verify) / No (End Questions) High School / College or Univ. (Ask 26B)		26B. Is ... enrolled in school as a full-time or part-time student? Full time / Part time (END QUESTIONS)		26. LAST WEEK at what time of day did ... end work on this job most days? 10 AM 11 AM 12 noon 12 midnight PM		46. What rate was ... paid for these hours? (Mark the one that applies to the most hours) Time and one-half / Graduated rate / Double time / Other (Specify)		NOTE: Mark whether second job is same as or different from job in item 23B-E. Describe if different. 55. LAST WEEK what was ...'s second job? Same as 23 B-E (Ask 56) / Different from 23B-E (Describe below and go to 56)	
26A. (If 'School' in 19, Verify) LAST WEEK was ... attending or enrolled in a high school, college, or university? (Mark "Yes" if currently on holiday or seasonal vacation. Mark "No" for summer vacation) Yes (Verify) / No (End Questions) High School / College or Univ. (Ask 26B)		26B. Is ... enrolled in school as a full-time or part-time student? Full time / Part time (END QUESTIONS)		26. LAST WEEK at what time of day did ... end work on this job most days? 10 AM 11 AM 12 noon 12 midnight PM		46. What rate was ... paid for these hours? (Mark the one that applies to the most hours) Time and one-half / Graduated rate / Double time / Other (Specify)		NOTE: Mark whether second job is same as or different from job in item 23B-E. Describe if different. 55. LAST WEEK what was ...'s second job? Same as 23 B-E (Ask 56) / Different from 23B-E (Describe below and go to 56)		A. Name of Employer B. Industry C. Occupation D. Main Activity E. Class of Worker Private P Federal Government F State Government S Local Government L Self-Employed in own Business, Prof. Practice or Farm Inc. Yes I No (for farm) SE Without pay WP	
REMINDER BE SURE TO ASK THE LABOR FORCE QUESTIONS FOR ALL HOUSEHOLD MEMBERS 14+ YRS. OLD BEFORE ASKING THE SUPPLEMENT QUESTIONS.		SUPPLEMENT QUESTIONS		29. Interviewer Check Item Entry (or N/A) in item 20A or item 21B and Item 25 marked 1, 2, 4, 5, 6 or 8 (Ask 30) Item 25 marked 3 or 7 (Skip to 31) Item 25 blank (Ask 30) All others (Go to next person)		30. You told me that ... worked for (Entries in 23A to D). How many hours per week does ... usually work at this job?		30. What is the main reason why ... works his/her type of shift? Voluntary reasons Better child care arrangements Better pay Better arrangements for care of other family members Allows time for school Other - Voluntary Reason Involuntary reasons Requirement of the job Other - Involuntary Reason		50. LAST WEEK at what time of day did ... begin work on this job most days? 10 AM 11 AM 12 noon 12 midnight PM	
REMINDER BE SURE TO ASK THE LABOR FORCE QUESTIONS FOR ALL HOUSEHOLD MEMBERS 14+ YRS. OLD BEFORE ASKING THE SUPPLEMENT QUESTIONS.		SUPPLEMENT QUESTIONS		29. Interviewer Check Item Entry (or N/A) in item 20A or item 21B and Item 25 marked 1, 2, 4, 5, 6 or 8 (Ask 30) Item 25 marked 3 or 7 (Skip to 31) Item 25 blank (Ask 30) All others (Go to next person)		30. You told me that ... worked for (Entries in 23A to D). How many hours per week does ... usually work at this job?		30. What is the main reason why ... works his/her type of shift? Voluntary reasons Better child care arrangements Better pay Better arrangements for care of other family members Allows time for school Other - Voluntary Reason Involuntary reasons Requirement of the job Other - Involuntary Reason		50. LAST WEEK at what time of day did ... begin work on this job most days? 10 AM 11 AM 12 noon 12 midnight PM	
31. In his/her work for (Entries in 23A to D), how many hours per day does ... usually work at this job?		32. How many days a week does ... usually work at this job? 1 4 5 1/2 2 4 1/2 6 3 5 7		33. Which days of the week does ... usually work at this job? Mon Wed Fri Sun Tues Thur Sat		34. LAST WEEK at what time of day did ... begin work on this job most days? 10 AM 11 AM 12 noon 12 midnight PM		35. How many hours per week does ... usually work at his/her second job?		51. LAST WEEK at what time of day did ... end work on this job most days? 10 AM 11 AM 12 noon 12 midnight PM	
31. In his/her work for (Entries in 23A to D), how many hours per day does ... usually work at this job?		32. How many days a week does ... usually work at this job? 1 4 5 1/2 2 4 1/2 6 3 5 7		33. Which days of the week does ... usually work at this job? Mon Wed Fri Sun Tues Thur Sat		34. LAST WEEK at what time of day did ... begin work on this job most days? 10 AM 11 AM 12 noon 12 midnight PM		35. How many hours per week does ... usually work at his/her second job?		51. LAST WEEK at what time of day did ... end work on this job most days? 10 AM 11 AM 12 noon 12 midnight PM	
36. LAST WEEK at what time of day did ... begin work on this job most days? 10 AM 11 AM 12 noon 12 midnight PM		37. How long has ... been working on this time schedule? Less than 1 month 1 month but less than 6 months 6 months but less than 1 year 1 year but less than 2 years 2 years but less than 5 years 5 years or more		38. What is the main reason why ... works his/her type of shift? Voluntary reasons Better child care arrangements Better pay Better arrangements for care of other family members Allows time for school Other - Voluntary Reason Involuntary reasons Requirement of the job Other - Involuntary Reason		39. Interviewer Check Item Entry of P, F, S or L in item 23E (Ask 40) All other cases (Skip to 48)		40. Is ... on flextime or some other schedule that allows workers to vary the time they begin and end work? Yes No Don't Know		52. How many hours per week does ... usually work at his/her second job?	
36. LAST WEEK at what time of day did ... begin work on this job most days? 10 AM 11 AM 12 noon 12 midnight PM		37. How long has ... been working on this time schedule? Less than 1 month 1 month but less than 6 months 6 months but less than 1 year 1 year but less than 2 years 2 years but less than 5 years 5 years or more		38. What is the main reason why ... works his/her type of shift? Voluntary reasons Better child care arrangements Better pay Better arrangements for care of other family members Allows time for school Other - Voluntary Reason Involuntary reasons Requirement of the job Other - Involuntary Reason		39. Interviewer Check Item Entry of P, F, S or L in item 23E (Ask 40) All other cases (Skip to 48)		40. Is ... on flextime or some other schedule that allows workers to vary the time they begin and end work? Yes No Don't Know		52. How many hours per week does ... usually work at his/her second job?	
39. Interviewer Check Item Entry of P, F, S or L in item 23E (Ask 40) All other cases (Skip to 48)		41. Is ...'s work for (Entries in 23A to D) a temporary job? Yes (Ask 42) No (Skip to 43)		42. Is ...'s salary paid by a temporary help agency; that is, by a business service which supplies workers on temporary assignment to other businesses? Yes No		43. LAST WEEK was ... paid overtime for any of the hours worked? Yes (Ask 44) No (Skip to 46)		44. How many hours was ... paid at an overtime rate?		53. How much does ... usually earn per week at his/her second job before deductions? \$	
39. Interviewer Check Item Entry of P, F, S or L in item 23E (Ask 40) All other cases (Skip to 48)		41. Is ...'s work for (Entries in 23A to D) a temporary job? Yes (Ask 42) No (Skip to 43)		42. Is ...'s salary paid by a temporary help agency; that is, by a business service which supplies workers on temporary assignment to other businesses? Yes No		43. LAST WEEK was ... paid overtime for any of the hours worked? Yes (Ask 44) No (Skip to 46)		44. How many hours was ... paid at an overtime rate?		53. How much does ... usually earn per week at his/her second job before deductions? \$	
45. What rate was ... paid for these hours? (Mark the one that applies to the most hours) Time and one-half / Graduated rate / Double time / Other (Specify)		46. LAST WEEK, in addition to ...'s work for (Entries in 23A to D), did ... work for any other employers? Yes No (Ask 47) How many? (Skip to 50)		47. LAST WEEK in addition to working for wages or salary, did ... operate his/her own farm, business, or profession? Yes (Skip to 50) No (Ask 49)		48. LAST WEEK, in addition to (Entries in 23A to D) did ... do any work for wages or salary? Yes (Skip to 50) No (Ask 49)		49. LAST WEEK did ... have another job at which he/she did not work at all? (If yes, indicate whether paid for time off) Yes - Paid (Skip to 52) No (Skip to 56) Yes - Not Paid (Skip to 52)		54. What is the main reason that ... worked at more than one job? To meet regular household expenses To pay off debts To save for the future To get experience in a different occupation or to build up a business Other (Specify)	
45. What rate was ... paid for these hours? (Mark the one that applies to the most hours) Time and one-half / Graduated rate / Double time / Other (Specify)		46. LAST WEEK, in addition to ...'s work for (Entries in 23A to D), did ... work for any other employers? Yes No (Ask 47) How many? (Skip to 50)		47. LAST WEEK in addition to working for wages or salary, did ... operate his/her own farm, business, or profession? Yes (Skip to 50) No (Ask 49)		48. LAST WEEK, in addition to (Entries in 23A to D) did ... do any work for wages or salary? Yes (Skip to 50) No (Ask 49)		49. LAST WEEK did ... have another job at which he/she did not work at all? (If yes, indicate whether paid for time off) Yes - Paid (Skip to 52) No (Skip to 56) Yes - Not Paid (Skip to 52)		54. What is the main reason that ... worked at more than one job? To meet regular household expenses To pay off debts To save for the future To get experience in a different occupation or to build up a business Other (Specify)	
56. As part of ...'s regularly scheduled work, does ... do any of his/her work for (Entries in 23A to D) at home? Yes (Ask 57) No (Skip to 58)		57. LAST WEEK approximately how many hours of ...'s work did he/she do at home?		58. Interviewer Check Item Who is reporting for this person? Self (Ask 59) Other (Attempt to ask of self respondent. If available, ask 59. If not, go to next person and make a callback to obtain information.)		59. If you had a choice, would you prefer to work: The same number of hours and earn the same money? Fewer hours at the same rate of pay and earn less money? More hours at the same rate of pay and earn more money?		56. As part of ...'s regularly scheduled work, does ... do any of his/her work for (Entries in 23A to D) at home? Yes (Ask 57) No (Skip to 58)		57. LAST WEEK approximately how many hours of ...'s work did he/she do at home?	
56. As part of ...'s regularly scheduled work, does ... do any of his/her work for (Entries in 23A to D) at home? Yes (Ask 57) No (Skip to 58)		57. LAST WEEK approximately how many hours of ...'s work did he/she do at home?		58. Interviewer Check Item Who is reporting for this person? Self (Ask 59) Other (Attempt to ask of self respondent. If available, ask 59. If not, go to next person and make a callback to obtain information.)		59. If you had a choice, would you prefer to work: The same number of hours and earn the same money? Fewer hours at the same rate of pay and earn less money? More hours at the same rate of pay and earn more money?		56. As part of ...'s regularly scheduled work, does ... do any of his/her work for (Entries in 23A to D) at home? Yes (Ask 57) No (Skip to 58)		57. LAST WEEK approximately how many hours of ...'s work did he/she do at home?	

Attachment 14

UNWEIGHTED AND WEIGHTED COUNTS

TCOPY CONTROL OUTPUT

TOTAL INTERVIEWS (CIVILIAN ONLY)	UNWEIGHTED	WEIGHTED (1000'S)
WHITE		
MALE		
<14	13459	19917
14+	48905	76445
FEMALE		
<14	12664	18912
14+	54417	83223
BLACK		
MALE		
<14	2243	3719
14+	5073	9334
FEMALE		
<14	2122	3632
14+	6760	11405
OTHER		
MALE		
<14	726	879
14+	1825	2416
FEMALE		
<14	680	860
14+	2002	2664
TOTAL RECORDS	UNWEIGHTED	WEIGHTED (1000'S)
TOT RECORDS	165498	233404
INTERVIEWS	150876	233404
<14	31894	47918
14+	118982	185486
ARMED FORCES	635	803
TYPE A	2929	0
TYPE B/C	11058	0

SOURCE AND RELIABILITY OF THE ESTIMATES
May 1985 Supplement

SOURCE OF DATA

The estimates in these tabulations are based on data obtained in May 1985 from the Current Population Survey (CPS) conducted by the Bureau of the Census and from supplementary questions to the CPS. 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 in every sample household. In addition, in May 1985, supplementary questions were asked about hours worked per week.

CPS Design Phase-In. Since the inception of the CPS in 1940, the sample has been redesigned several times to upgrade the quality and reliability of the data and to meet changing data needs. Beginning in April 1984, the old design was phased out through a series of changes that was completed in July, 1985. The CPS estimates in these tabulations are based on data obtained in May 1985. Due to the phase-in of the new design, the May 1985 CPS sample had two rotation groups in the 629 sample areas of the old design comprising 1,148 counties, independent cities and minor civil divisions, and six rotation groups located in the 729 sample areas of the new design comprising 1,973 counties and equivalent geographic areas in the United States.

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

RELIABILITY OF THE ESTIMATES

Since the CPS estimates were based on a sample, 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 nonsampling. The accuracy of a survey result depends on both types of errors, but the full extent of the nonsampling error is unknown. Consequently, particular care should be exercised in the interpretation of figures based on a relatively small number of cases or on small differences between estimates. The standard errors provided for the CPS estimates primarily indicate

the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in responses and enumeration, but do not measure any systematic biases in the data. (Bias is the difference, averaged over all possible samples, between the estimate and the desired value.)

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 data collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all units with the sample (undercoverage).

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 combined than for Whites. Ratio estimation to independent age-sex-race-Hispanic population controls, as described previously, 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 from those of interviewed persons in the same age-sex-race-Hispanic group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

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

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

1. 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.
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.

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 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 type of hypothesis appearing in this report is that the population parameters are different. An example of this would be comparing hours worked per week by males with hours worked per week by females. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the characteristics are different when, in fact, they are identical.

To perform the most common test, let x and y be sample estimates for two characteristics of interest. Let the standard error on the difference $x-y$ be σ_{DIFF} . If the ratio $R = (x-y)/\sigma_{DIFF}$ is between -2 and $+2$, no conclusion about the difference between the characteristics is justified at the 0.05 level of significance. If, on the other hand, this ratio is smaller than -2 or larger than $+2$, the observed difference is significant at the 0.05 level. In this event, it is commonly accepted practice to say that the characteristics are different. Of course, sometimes this conclusion will be wrong. When the characteristics are, in fact, the same, there is a 5 percent chance of concluding that they are different. All statements of comparison in the text have passed a hypothesis test at the 0.10 level of significance or better, and most have passed a 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 characteristics is greater than twice the standard error of the difference. For the other differences mentioned, the estimated difference between characteristics is between 1.6 and 2.0 times the standard error of the difference. When this is the case, the statement of comparison is qualified, e.g., by the use of the phrase "some evidence."

Standard Error Tables and Their Use. In order to derive standard errors that would be applicable to a larger 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 A-2 and A-3 are approximations to the standard errors of various estimates for workers. To obtain the approximate standard error for a specific characteristic the appropriate standard error in Table A-2 must be multiplied by the factor for that characteristic given in Table A-1. These factors must be applied to the generalized standard errors in order to adjust for the combined effect of the sample design and the estimating procedure on the value of the characteristic.

Standard errors for intermediate values not shown in the generalized tables of standard errors may be approximated by linear interpolation.

Two parameters (denoted "a" and "b") are used to calculate standard errors for each type of characteristic; they are presented in Table A-1. These parameters were used to calculate the standard errors in Tables A-2 and A-3 and to calculate the factors in Table A-1. They also may be used directly to calculate the standard errors for estimated numbers and percentages. Methods for 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 the formula

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

where f is the appropriate factor from Table A-1 and σ is the standard error on the estimate obtained by interpolation from Table A-2. Alternatively, the standard error may be approximated by formula (2) from which the standard errors in Table A-2 were calculated. 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 A-1 associated with the particular characteristic.

Illustration of the Computation of the Standard Error of an Estimated Number.

Suppose that in May 1985 there were approximately 54,151,000 employees who worked 40 hours per week at their principal job. From Table A-1 the appropriate parameters are $a = -0.000013$ and $b = 2,327$. Using formula (2), the approximate standard error on an estimate of 54,151,000 is

$$\sigma_x = \sqrt{-0.000013(54,151,000)^2 + 2,327(54,151,000)} = 296,500$$

Using the 296,500 estimate of standard error, the 90-percent confidence interval as shown by the data is from 53,676,600 to 54,625,400. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90-percent of all possible samples.

Similarly, we could conclude with 95-percent confidence that the number of employees who worked 40 hours per week in May 1985 lies within the interval from 53,558,000 to 54,744,000 (using twice the standard error).

Alternately, by interpolation from Table A-2 ^{1/}, the standard error on 54,151,000, using a factor of 1.0 and rounding to the nearest thousand, is 295,000 (1.0 x 295,000).

Standard Errors of Estimated Percentages. The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which this 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 factors or parameters from Table A-3 indicated by the numerator. The approximate standard error, $\sigma_{(x,p)}$, of an estimated percentage can be obtained by use of the formula:

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

^{1/} The linear interpolation is computed in this manner:

$$290,000 + \frac{54,151,000 - 50,000,000}{75,000,000 - 50,000,000} (318,000 - 290,000) = 295,000$$

In this formula, f is the appropriate factor from Table A-1 and σ is the standard error on the estimate from Table A-3. Alternatively, it may be approximated by the following formula from which the standard errors in Table A-3 were calculated. Use of this formula will give more accurate results than use of formula (3) above.

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

Here x is the size of the subclass of persons or households which is the base of the percentage, p is the percentage ($0 < p < 100$), and b is the parameter in Table A-1 associated with the particular characteristic in the numerator of the percentage.

Illustration of the Computation of the Standard Error of a Percentage. Suppose that of the 5,240,000 employed Black males in May 1985 3,265,000 or 62.3 percent worked 40 hours per week. From Table A-1, the appropriate b parameter is 2,013. Using formula (4), the approximate standard error on 62.3 percent is

$$\sigma_{(x,p)} = \sqrt{\frac{2,013}{5,240,000} (62.3)(37.7)} = 0.9$$

Therefore, the 90-percent confidence interval of the percentage of Black males who worked 40 hours per week is from 60.9 to 63.7 percent, and the 95-percent confidence interval is from 60.5 to 64.1.

Alternately, by interpolation in Table A-3, the standard error on 62.3 percent using a factor of 0.9 is 0.9 (0.9×1.0) percent.

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

$$\sigma_{(x-y)} = \sqrt{\sigma_x^2 + \sigma_y^2} \quad (5)$$

where σ_x and σ_y are the standard errors of the estimates x and y , respectively. The estimates can be of numbers, percents, 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 overestimate (underestimate) the true standard error.

Illustration of the Computation of the Standard Error of an Estimated Difference. Suppose that of the 60,015,000 male workers, 31,628,000 or 52.7 percent worked 40 hours per week in May 1985, and of the 46,864,000 female workers, 22,524,000 or 48.1 percent worked 40 hours per week in May 1985. The apparent difference between these two groups is 4.6 percent. Using formula (4) and the appropriate b parameters (2,013 for males and 1,725 for females) from Table A-1, the standard error (σ_x) on 52.7 percent with a base of 60,015,000 is approximately 0.3 percent, and for 48.1 percent with a base of 46,864,000 the standard error (σ_y) is approximately 0.3 percent. ^{2/} Using formula (5), the standard error on the estimated difference of 4.6 percent is approximately

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

This means that the 90-percent confidence interval around the difference is from 4.0 to 5.2, and the 95-percent confidence interval is from 3.8 to 5.4. Since this interval does not include zero, we can conclude with 95-percent confidence that the percentage of males working 40 hours per week is greater than the percentage of females working 40 hours per week in May 1985.

Standard Error of an Estimated 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.

- (1) Determine, using the standard error tables and factors or formula (4), 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).

^{2/}

$$\sigma_x = \sqrt{\frac{2,013}{60,015,000} (52.7)(47.3)} = 0.3$$

$$\sigma_y = \sqrt{\frac{1,725}{46,864,000} (48.1)(51.9)} = 0.3$$

- (3) Using the distribution of the characteristic, calculate the 68-percent confidence interval by calculating the values 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,

L = Lower limit of the 68-percent confidence interval.

Illustration of the Computation of the Confidence Interval and Standard Error for a Median. Suppose that the estimated median number of hours worked per week by 16-19 year old females in May 1985 is 23.9 hours and suppose that the following table gives the distribution of hours.

Hours Worked	Number of Females 16-19 years (in thousands)	Percent Distribution	Cumulative Distribution
1-9	324	11.1	11.1
10-19	798	27.3	38.4
20-29	786	26.9	65.3
30-34	207	7.1	72.4
35-39	200	6.9	79.3
40	513	17.6	96.9
41-49	60	2.1	99.0
50+	27	0.9	99.9
Total	2,919		

- (1) Using $b = 1,725$ from Table A-1 and formula (4), the standard error of 50 percent on a base of 2,919,000 is about 1.2 percent.
- (2) To obtain a 68-percent confidence interval for a median, add to and subtract from 50 percent, the standard error found in step (1). This yields limits of 48.8 and 51.2 percent.

- (3) The closest percentages corresponding to these percent limits (i.e., 48.8 and 51.2) available from column 4 of the above mentioned table are 38.4 and 65.3 percent, respectively. It can be seen that 38.4 percent of females 16-19 years worked less than 19 hours per week and 65.3 percent worked less than 29 hours per week. By linear interpolation the lower and upper limits of the 68-percent confidence interval for the median are calculated as

$$20 + (30-20) \frac{48.8-38.4}{65.3-38.4} = 23.87$$

$$20 + (30-20) \frac{51.2-38.4}{65.3-38.4} = 24.76$$

Thus, the 68-percent confidence interval for the median number of hours worked per week by 16-19 year old females in May 1985 is from 23.87 to 24.76 hours.

- (4) The standard error of the median is 0.4 hours, (i.e., $(24.87 - 23.76)/2$).

Table A-1. "a" and "b" Parameters for Computing Approximate Standard Errors of Estimated Numbers and Percentages for Estimates of Employment Data

Type of Characteristic	a	b	f
Agricultural Employment			
All Races	-0.000019	3,307	1.2
Hispanic Origin	-0.000250	2,954	1.1
All Employment			
Occupational Categories,			
Hours Worked, Number of			
Days Worked per Week			
other than Agricultural			
Employment			
Total - Both Sexes			
16+	-0.000013	2,327	1.0
16-19	-0.000160	2,327	1.0
20-24	-0.000115	2,327	1.0
25-54	-0.000025	2,327	1.0
55-64	-0.000105	2,327	1.0
65+	-0.000086	2,327	1.0
Male			
16	-0.000024	2,013	0.9
16-19	-0.000277	2,013	0.9
20-24	-0.000205	2,013	0.9
25-54	-0.000044	2,013	0.9
55-64	-0.000194	2,013	0.9
65+	-0.000182	2,013	0.9
Female			
16+	-0.000018	1,725	0.9
16-19	-0.000238	1,725	0.9
20-24	-0.000166	1,725	0.9
25-54	-0.000036	1,725	0.9
55-64	-0.000147	1,725	0.9
65+	-0.000109	1,725	0.9
White - Both Sexes			
16+	-0.000015	2,327	1.0
16-19	-0.000196	2,327	1.0
20-24	-0.000138	2,327	1.0
25-54	-0.000029	2,327	1.0
55-64	-0.000119	2,327	1.0
65+	-0.000096	2,327	1.0

Table A-1. "a" and "b" Parameters for Computing Approximate Standard Errors of Estimated Numbers and Percentages for Estimates of Employment Data

Type of Characteristic	a	b	f
Male			
16+	-0.000027	2,013	0.9
16-19	-0.000337	2,013	0.9
20-24	-0.000243	2,013	0.9
25-54	-0.000051	2,013	0.9
55-64	-0.000217	2,013	0.9
65+	-0.000202	2,013	0.9
Female			
16+	-0.000022	1,725	0.9
16-19	-0.000292	1,725	0.9
20-24	-0.000200	1,725	0.9
25-54	-0.000042	1,725	0.9
55-64	-0.000166	1,725	0.9
65+	-0.000121	1,725	0.9
Black - Both Sexes			
16+	-0.000095	2,327	1.0
16-19	-0.000890	2,327	1.0
20-24	-0.000709	2,327	1.0
25-54	-0.000174	2,327	1.0
55-64	-0.000929	2,327	1.0
65+	-0.000869	2,327	1.0
Male			
16+	-0.000182	2,013	0.9
16-19	-0.001558	2,013	0.9
20-24	-0.001322	2,013	0.9
25-54	-0.000333	2,013	0.9
55-64	-0.001798	2,013	0.9
65+	-0.001847	2,013	0.9
Female			
16+	-0.000129	1,725	0.9
16-19	-0.001305	1,725	0.9
20-24	-0.000980	1,725	0.9
25-54	-0.000235	1,725	0.9
55-64	-0.001244	1,725	0.9
65+	-0.001086	1,725	0.9
Hispanic Origin - Both Sexes			
16+	-0.000177	2,091	0.9
16-19	-0.001348	2,091	0.9
20-24	-0.000204	2,091	0.9
25-54	-0.000204	2,091	0.9
55-64	-0.000204	2,091	0.9
65+	-0.000204	2,091	0.9

Table A-1. "a" and "b" Parameters for Computing Approximate Standard Errors of Estimated Numbers and Percentages for Estimates of Employment Data

Type of Characteristic	a	b	f
Hispanic Origin			
Male			
16+	-0.000361	2,091	0.9
16-19	-0.002689	2,091	0.9
20-24	-0.000417	2,091	0.9
25-54	-0.000417	2,091	0.9
55-64	-0.000417	2,091	0.9
65+	-0.000417	2,091	0.9
Female			
16+	-0.000348	2,091	0.9
16-19	-0.002704	2,091	0.9
20-24	-0.000400	2,091	0.9
25-54	-0.000400	2,091	0.9
55-64	-0.000400	2,091	0.9
65+	-0.000400	2,091	0.9

Note: Apply the appropriate "f" factor to the standard error in Tables A-2 or A-3, to obtain the standard error of a specific characteristic.

Table A-3 Standard Errors of Estimated Percentages

Base of Estimated Percentage (thousands)	Estimated Percentage				
	2 or 98	5 or 95	10 or 90	25 Or 75	50
10	6.8	10.5	14.5	20.9	24.1
25	4.3	6.6	9.2	13.2	15.2
50	3.0	4.7	6.5	9.3	10.8
75	2.5	3.8	5.3	7.6	8.8
100	2.1	3.3	4.6	6.6	7.6
250	1.3	2.1	2.9	4.2	4.8
500	1.0	1.5	2.0	3.0	3.4
750	0.8	1.2	1.7	2.4	2.8
1,000	0.7	1.0	1.4	2.1	2.4
2,500	0.4	0.7	0.9	1.3	1.5
5,000	0.3	0.5	0.6	0.9	1.1
7,500	0.2	0.4	0.5	0.8	0.9
10,000	0.2	0.3	0.5	0.7	0.8
15,000	0.2	0.3	0.4	0.5	0.6
25,000	0.14	0.2	0.3	0.4	0.5
50,000	0.10	0.15	0.2	0.3	0.3
75,000	0.08	0.12	0.2	0.2	0.3
100,000	0.07	0.11	0.14	0.2	0.2
125,000	0.06	0.09	0.13	0.2	0.2

Note: For a particular characteristic, see Table A-1 for the appropriate factor to apply to the above standard errors.

Table A-2 Standard Errors of Estimated Numbers
(Numbers in Thousands)

Size of Estimate	Standard Error	Size Estimate	Standard Error
10	5	5,000	106
25	8	7,500	129
50	11	10,000	148
75	13	15,000	179
100	15	25,000	224
250	24	50,000	290
500	34	75,000	318
750	42	100,000	320
1,000	48	125,000	296
2,500	76		

Note: For a particular characteristic, see Table A-1 for the appropriate factor to apply to the above standard errors. For reference, the standard errors in Tables A-2 and A-3 were calculated using $a = -0.000013$ and $b = 2,327$.

SOURCE AND RELIABILITY OF THE ESTIMATES
May 1985 Supplement

SOURCE OF DATA

The estimates in these tabulations are based on data obtained in May 1985 from the Current Population Survey (CPS) conducted by the Bureau of the Census and from supplementary questions to the CPS. 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 in every sample household. In addition, in May 1985, supplementary questions were asked about hours worked per week.

CPS Design Phase-In. Since the inception of the CPS in 1940, the sample has been redesigned several times to upgrade the quality and reliability of the data and to meet changing data needs. Beginning in April 1984, the old design was phased out through a series of changes that was completed in July, 1985. The CPS estimates in these tabulations are based on data obtained in May 1985. Due to the phase-in of the new design, the May 1985 CPS sample had two rotation groups in the 629 sample areas of the old design comprising 1,148 counties, independent cities and minor civil divisions, and six rotation groups located in the 729 sample areas of the new design comprising 1,973 counties and equivalent geographic areas in the United States.

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

RELIABILITY OF THE ESTIMATES

Since the CPS estimates were based on a sample, 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 nonsampling. The accuracy of a survey result depends on both types of errors, but the full extent of the nonsampling error is unknown. Consequently, particular care should be exercised in the interpretation of figures based on a relatively small number of cases or on small differences between estimates. The standard errors provided for the CPS estimates primarily indicate

the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in responses and enumeration, but do not measure any systematic biases in the data. (Bias is the difference, averaged over all possible samples, between the estimate and the desired value.)

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 data collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all units with the sample (undercoverage).

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 combined than for Whites. Ratio estimation to independent age-sex-race-Hispanic population controls, as described previously, 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 from those of interviewed persons in the same age-sex-race-Hispanic group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

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

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

1. 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.
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.

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 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 type of hypothesis appearing in this report is that the population parameters are different. An example of this would be comparing hours worked per week by males with hours worked per week by females. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the characteristics are different when, in fact, they are identical.

To perform the most common test, let x and y be sample estimates for two characteristics of interest. Let the standard error on the difference $x-y$ be σ_{DIFF} . If the ratio $R = (x-y)/\sigma_{DIFF}$ is between -2 and $+2$, no conclusion about the difference between the characteristics is justified at the 0.05 level of significance. If, on the other hand, this ratio is smaller than -2 or larger than $+2$, the observed difference is significant at the 0.05 level. In this event, it is commonly accepted practice to say that the characteristics are different. Of course, sometimes this conclusion will be wrong. When the characteristics are, in fact, the same, there is a 5 percent chance of concluding that they are different. All statements of comparison in the text have passed a hypothesis test at the 0.10 level of significance or better, and most have passed a 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 characteristics is greater than twice the standard error of the difference. For the other differences mentioned, the estimated difference between characteristics is between 1.6 and 2.0 times the standard error of the difference. When this is the case, the statement of comparison is qualified, e.g., by the use of the phrase "some evidence."

Standard Error Tables and Their Use. In order to derive standard errors that would be applicable to a larger 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 A-2 and A-3 are approximations to the standard errors of various estimates for workers. To obtain the approximate standard error for a specific characteristic the appropriate standard error in Table A-2 must be multiplied by the factor for that characteristic given in Table A-1. These factors must be applied to the generalized standard errors in order to adjust for the combined effect of the sample design and the estimating procedure on the value of the characteristic.

Standard errors for intermediate values not shown in the generalized tables of standard errors may be approximated by linear interpolation.

Two parameters (denoted "a" and "b") are used to calculate standard errors for each type of characteristic; they are presented in Table A-1. These parameters were used to calculate the standard errors in Tables A-2 and A-3 and to calculate the factors in Table A-1. They also may be used directly to calculate the standard errors for estimated numbers and percentages. Methods for 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 the formula

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

where f is the appropriate factor from Table A-1 and σ is the standard error on the estimate obtained by interpolation from Table A-2. Alternatively, the standard error may be approximated by formula (2) from which the standard errors in Table A-2 were calculated. 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 A-1 associated with the particular characteristic.

Illustration of the Computation of the Standard Error of an Estimated Number. Suppose that in May 1985 there were approximately 54,151,000 employees who worked 40 hours per week at their principal job. From Table A-1 the appropriate parameters are $a = -0.000013$ and $b = 2,327$. Using formula (2), the approximate standard error on an estimate of 54,151,000 is

$$\sigma_x = \sqrt{-0.000013(54,151,000)^2 + 2,327(54,151,000)} = 296,500$$

Using the 296,500 estimate of standard error, the 90-percent confidence interval as shown by the data is from 53,676,600 to 54,625,400. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90-percent of all possible samples.

Similarly, we could conclude with 95-percent confidence that the number of employees who worked 40 hours per week in May 1985 lies within the interval from 53,558,000 to 54,744,000 (using twice the standard error).

Alternately, by interpolation from Table A-2 ^{1/2}, the standard error on 54,151,000, using a factor of 1.0 and rounding to the nearest thousand, is 295,000 ($1.0 \times 295,000$).

Standard Errors of Estimated Percentages. The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which this 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 factors or parameters from Table A-3 indicated by the numerator. The approximate standard error, $\sigma(x,p)$, of an estimated percentage can be obtained by use of the formula:

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

^{1/2} The linear interpolation is computed in this manner:

$$290,000 + \frac{54,151,000 - 50,000,000}{75,000,000 - 50,000,000} (318,000 - 290,000) = 295,000$$

In this formula, f is the appropriate factor from Table A-1 and σ is the standard error on the estimate from Table A-3. Alternatively, it may be approximated by the following formula from which the standard errors in Table A-3 were calculated. Use of this formula will give more accurate results than use of formula (3) above.

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

Here x is the size of the subclass of persons or households which is the base of the percentage, p is the percentage ($0 < p < 100$), and b is the parameter in Table A-1 associated with the particular characteristic in the numerator of the percentage.

Illustration of the Computation of the Standard Error of a Percentage. Suppose that of the 5,240,000 employed Black males in May 1985 3,265,000 or 62.3 percent worked 40 hours per week. From Table A-1, the appropriate b parameter is 2,013. Using formula (4), the approximate standard error on 62.3 percent is

$$\sigma_{(x,p)} = \sqrt{\frac{2,013}{5,240,000} (62.3)(37.7)} = 0.9$$

Therefore, the 90-percent confidence interval of the percentage of Black males who worked 40 hours per week is from 60.9 to 63.7 percent, and the 95-percent confidence interval is from 60.5 to 64.1.

Alternately, by interpolation in Table A-3, the standard error on 62.3 percent using a factor of 0.9 is 0.9 (0.9×1.0) percent.

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

$$\sigma_{(x-y)} = \sqrt{\sigma_x^2 + \sigma_y^2} \quad (5)$$

where σ_x and σ_y are the standard errors of the estimates x and y , respectively. The estimates can be of numbers, percents, 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 overestimate (underestimate) the true standard error.

Illustration of the Computation of the Standard Error of an Estimated Difference. Suppose that of the 60,015,000 male workers, 31,628,000 or 52.7 percent worked 40 hours per week in May 1985, and of the 46,864,000 female workers, 22,524,000 or 48.1 percent worked 40 hours per week in May 1985. The apparent difference between these two groups is 4.6 percent. Using formula (4) and the appropriate b parameters (2,013 for males and 1,725 for females) from Table A-1, the standard error (σ_x) on 52.7 percent with a base of 60,015,000 is approximately 0.3 percent, and for 48.1 percent with a base of 46,864,000 the standard error (σ_y) is approximately 0.3 percent. ^{2/} Using formula (5), the standard error on the estimated difference of 4.6 percent is approximately

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

This means that the 90-percent confidence interval around the difference is from 4.0 to 5.2, and the 95-percent confidence interval is from 3.8 to 5.4. Since this interval does not include zero, we can conclude with 95-percent confidence that the percentage of males working 40 hours per week is greater than the percentage of females working 40 hours per week in May 1985.

Standard Error of an Estimated 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.

- (1) Determine, using the standard error tables and factors or formula (4), 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).

^{2/}

$$\sigma_x = \sqrt{\frac{2,013}{60,015,000} (52.7)(47.3)} = 0.3$$

$$\sigma_y = \sqrt{\frac{1,725}{46,864,000} (48.1)(51.9)} = 0.3$$

- (3) Using the distribution of the characteristic, calculate the 68-percent confidence interval by calculating the values 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,

L = Lower limit of the 68-percent confidence interval.

Illustration of the Computation of the Confidence Interval and Standard Error for a Median. Suppose that the estimated median number of hours worked per week by 16-19 year old females in May 1985 is 23.9 hours and suppose that the following table gives the distribution of hours.

Hours Worked	Number of Females 16-19 years (in thousands)	Percent Distribution	Cumulative Distribution
1-9	324	11.1	11.1
10-19	798	27.3	38.4
20-29	786	26.9	65.3
30-34	207	7.1	72.4
35-39	200	6.9	79.3
40	513	17.6	96.9
41-49	60	2.1	99.0
50+	27	0.9	99.9
Total	2,919		

- (1) Using $b = 1,725$ from Table A-1 and formula (4), the standard error of 50 percent on a base of 2,919,000 is about 1.2 percent.
- (2) To obtain a 68-percent confidence interval for a median, add to and subtract from 50 percent, the standard error found in step (1). This yields limits of 48.8 and 51.2 percent.

- (3) The closest percentages corresponding to these percent limits (i.e., 48.8 and 51.2) available from column 4 of the above mentioned table are 38.4 and 65.3 percent, respectively. It can be seen that 38.4 percent of females 16-19 years worked less than 19 hours per week and 65.3 percent worked less than 29 hours per week. By linear interpolation the lower and upper limits of the 68-percent confidence interval for the median are calculated as

$$20 + (30-20) \frac{48.8-38.4}{65.3-38.4} = 23.87$$

$$20 + (30-20) \frac{51.2-38.4}{65.3-38.4} = 24.76$$

Thus, the 68-percent confidence interval for the median number of hours worked per week by 16-19 year old females in May 1985 is from 23.87 to 24.76 hours.

- (4) The standard error of the median is 0.4 hours, (i.e., $(24.87 - 23.76)/2$).

Table A-1. "a" and "b" Parameters for Computing Approximate Standard Errors of Estimated Numbers and Percentages for Estimates of Employment Data

Type of Characteristic	a	b	f
Agricultural Employment			
All Races	-0.000019	3,307	1.2
Hispanic Origin	-0.000250	2,954	1.1
All Employment			
Occupational Categories,			
Hours Worked, Number of			
Days Worked per Week			
other than Agricultural			
Employment			
Total - Both Sexes			
16+	-0.000013	2,327	1.0
16-19	-0.000160	2,327	1.0
20-24	-0.000115	2,327	1.0
25-54	-0.000025	2,327	1.0
55-64	-0.000105	2,327	1.0
65+	-0.000086	2,327	1.0
Male			
16	-0.000024	2,013	0.9
16-19	-0.000277	2,013	0.9
20-24	-0.000205	2,013	0.9
25-54	-0.000044	2,013	0.9
55-64	-0.000194	2,013	0.9
65+	-0.000182	2,013	0.9
Female			
16+	-0.000018	1,725	0.9
16-19	-0.000238	1,725	0.9
20-24	-0.000166	1,725	0.9
25-54	-0.000036	1,725	0.9
55-64	-0.000147	1,725	0.9
65+	-0.000109	1,725	0.9
White - Both Sexes			
16+	-0.000015	2,327	1.0
16-19	-0.000196	2,327	1.0
20-24	-0.000138	2,327	1.0
25-54	-0.000029	2,327	1.0
55-64	-0.000119	2,327	1.0
65+	-0.000096	2,327	1.0

Table A-2 Standard Errors of Estimated Numbers
(Numbers in Thousands)

Size of Estimate	Standard Error	Size Estimate	Standard Error
10	5	5,000	106
25	8	7,500	129
50	11	10,000	148
75	13	15,000	179
100	15	25,000	224
250	24	50,000	290
500	34	75,000	318
750	42	100,000	320
1,000	48	125,000	296
2,500	76		

Note: For a particular characteristic, see Table A-1 for the appropriate factor to apply to the above standard errors. For reference, the standard errors in Tables A-2 and A-3 were calculated using $a = -0.000013$ and $b = 2,327$.

Table A-3 Standard Errors of Estimated Percentages

Base of Estimated Percentage (thousands)	Estimated Percentage				
	2 or 98	5 or 95	10 or 90	25 Or 75	50
10	6.8	10.5	14.5	20.9	24.1
25	4.3	6.6	9.2	13.2	15.2
50	3.0	4.7	6.5	9.3	10.8
75	2.5	3.8	5.3	7.6	8.8
100	2.1	3.3	4.6	6.6	7.6
250	1.3	2.1	2.9	4.2	4.8
500	1.0	1.5	2.0	3.0	3.4
750	0.8	1.2	1.7	2.4	2.8
1,000	0.7	1.0	1.4	2.1	2.4
2,500	0.4	0.7	0.9	1.3	1.5
5,000	0.3	0.5	0.6	0.9	1.1
7,500	0.2	0.4	0.5	0.8	0.9
10,000	0.2	0.3	0.5	0.7	0.8
15,000	0.2	0.3	0.4	0.5	0.6
25,000	0.14	0.2	0.3	0.4	0.5
50,000	0.10	0.15	0.2	0.3	0.3
75,000	0.08	0.12	0.2	0.2	0.3
100,000	0.07	0.11	0.14	0.2	0.2
125,000	0.06	0.09	0.13	0.2	0.2

Note: For a particular characteristic, see Table A-1 for the appropriate factor to apply to the above standard errors.