Current Population Survey, November 1994 (Voting and Registration and Computer Usage) Technical Documentation

D1-C94-NOVF-14-TECH

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Background Note for Users

The Current Population Survey (CPS) is a monthly household survey conducted by the U.S. Census Bureau for the U. S. Bureau of Labor Statistics, part of the Department of Labor. Each month the survey collects data on employment status, days spent looking for work, hours working, reasons not looking for work, earnings, occupation, industry, and the like. These data are the main reason we conduct the survey. Every CPS file has these "basic" monthly data.

In many months, however, the Census Bureau adds "supplements" to the survey dealing with a variety of topics – fertility, food security, income, health insurance, voting and registration, and many others. These supplements often become the source of Census Bureau files and reports.

In the title of the file cited on the previous page, we cite the supplement topic in parentheses. Users should keep in mind that the basic employment and labor force data are always included in a CPS file, along with the supplemental data.

The CPS files contain microdata. Microdata are household, family, and person records showing how people responded to the questions asked in the survey. The March (ASEC) files are hierarchal in nature and contain all three record types. All other CPS files are rectangular and contain all data in a person-based record.

Names, addresses, and other confidential information have been removed from these records; other precautions also have been taken to preserve the confidentiality of the records. By law the Census Bureau cannot disclose information that would lead to the identification of a respondent. The microdata form allows users to sort the records according to their own criteria and create the tabulations they need.

For more information on the CPS, go to the CPS web site: <http://www.bls.census.gov/cps/cpsmain.htm>.

CURRENT POPULATION SURVEY, NOVEMBER 1994:
VOTING AND REGISTRATION AND COMPUTER USAGE

TECHNICAL DOCUMENTATION
CPS–94

This file documentation consists of the following materials:

NOTE

Questions about accompanying **documentation** should be directed to Data User Services Division, Data Access and Use Branch, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 457-1214.

Questions about the **tape** should be directed to Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 457-4100.

Questions about the **subject matter** should be directed to Steve Proudfoot, Demographic Surveys Division, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 457-3806.

ATTACHMENT 1

ABSTRACT

Current Population Survey, November 1994: Voting and Registration and Computer Usage [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], 1995.

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 57,000 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 Hispanic origin.

The voting and registration survey was asked of all civilian household members 18 years and over. Voting and registration data are collected every 2 years to monitor trends in the voting and nonvoting behavior of U.S. citizens in terms of their different demographic and economic characteristics. The November CPS supplement is a major source of information regarding national voting and registration.

The computer usage questions were asked of all household reference persons, or if the reference person was not available for interview, spouses of reference persons.

Geographic Coverage:

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

Technical Description:

File Structure: Rectangular.

File Size: 153,456 logical records; 908 character logical record length.

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

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

Reference Materials:

Current Population Survey, November 1994: Voting Registration and Computer Usage Technical Documentation. Documentation contains this abstract, including ordering information, overviews, definitions, questionnaire facsimiles, code lists, and record layouts of the file. One copy accompanies each file order. Additional copies are available from Data User Services Division, Customer Services, 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.

File Availability:

The file may be ordered from Data User Services Division using the Customer Services order form on the following page. It is available on a single 9-track tape reel (ASCII or EBCDIC, labeled or unlabeled, 6250 bpi). The file also can be made available on IBM 3480 compatible tape cartridge or CD-R (compact disc-readable) in ASCII format.

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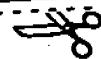
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ATTACHMENT 2

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 50 years. Currently, we obtain interviews from about 56,000 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 reliable 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 demographic characteristics such as age, sex, race, marital status, educational attainment, family relationship, occupation, and industry. From time to time, additional questions are included on 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.

For a more detailed discussion about the basic labor force data gathered on a monthly basis in the CPS survey, see "Revisions in the Current Population Survey Effective January 1994" in the February 1994 issue of *Employment and Earnings* published by the Bureau of Labor Statistics.

CPS Sample Design

The current CPS sample is selected based on 1980 census information. (A redesigned CPS sample based on the 1990 census will be phased-in starting April 1994 and completed as of July 1995). The first stage of the 1980 sample design created 1,973 geographic areas called primary sampling units (PSUs) in the entire United States. These 1,973 PSUs were grouped into strata within each state. Some of these PSUs formed strata by themselves and were in sample with certainty, which is referred to as self-representing. Of the remaining nonself-representing PSUs, one PSU was selected from each stratum with the probability of selection proportional to the population of the PSU. A total of 729 PSUs were selected for sample

containing 1,297 counties and independent cities. The second stage of the sample design selected housing units within these PSUs.

Approximately 70,000 housing units are assigned for interview each month, of which about 59,000 are occupied and thus eligible for interview. The remainder are units found to be destroyed, vacant, converted to nonresidential use, containing persons whose usual place of residence is elsewhere, or ineligible for other reasons. Of the 59,000 occupied housing units, approximately 5 percent are not interviewed in a given month due to temporary absence (vacation, etc.), the residents are not found at home after repeated attempts, inability of persons contacted to respond, unavailability for other reasons, and refusals to cooperate. The interviewed households contain approximately 110,000 persons 15 years old and over, approximately 33,000 children 0-14 years old, and about 550 Armed Forces members living with civilians either on or off base within these households. A more precise explanation regarding the CPS sample design is provided in "Explanatory Notes and Estimates of Error: Household Data - Sampling" in any issue of *Employment and Earnings*.

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 three series of publications under the general title Current Population Reports:

> P-20 Population Characteristics
> P-23 Special Studies
> 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 U.S. Government Printing Office at 202-783-3238. Subscriptions are available as follows: Population Characteristics, Special Studies, and Consumer Income series (P-20, P-23, P-60) combined, $101 per year (sold as a package only); Population Estimates and Projections, (P-25), $27 per year. Single issues may be ordered separately; ordering information and prices are provided in the Bureau of the *Census Catalog and Guide*, the *Monthly Product Announcement* (MPA), and in *Census and You*.

Geographic Limitations

The CPS sample was selected so that specific reliability criteria were met nationally, for each of the 50 States, for the District of Columbia, and for the sub-State areas of New York City and the Los Angeles-Long Beach metropolitan area. Since 1985, these reliability criteria have been maintained through periodic additions and deletions in the State samples. Estimates formed for geographic areas identified on the microdata file which are smaller than states (except the two sub-State areas mentioned above) are not as reliable.

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 base 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. Almost all sample persons in the same state have the same base weight, but the weights across states are different. Selection probabilities may also differ for some sample areas due to field subsampling, which is done when areas selected for the sample contain many more households than expected. The base 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 noninterview adjustment is made separately for clusters of similar sample areas that are usually, but not necessarily, contained within a state. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within each cluster, there is a further breakdown by residence. Each MSA cluster is split by "central city" and "balance of the MSA". Each non-MSA cluster is split by "urban" and "rural" residence categories. The proportion of occupied sample households not interviewed fluctuates around 5 percent depending on weather, vacations, 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 state of residence. Because these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the survey estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio adjustment as follows:

   a. *First-stage ratio estimate.* The purpose of the first-stage ratio adjustment is to reduce the contribution to variance that results from selecting a sample of PSUs rather than drawing sample households from every PSU in the nation. This adjustment is made to the CPS weights in two race cells: black and nonblack; it is applied only to PSUs that are nonself-representing and for those states that have a substantial number of black households. The procedure corrects for differences that existed in each state cell at the time of the 1980 census between 1) the race distribution of the population in sample PSUs and 2) the race distribution of all PSUs (both 1 and 2 exclude self-representing PSUs).

   b. *Second-stage ratio estimate.* This procedure substantially reduces the variability of estimates and corrects, to some extent, for CPS undercoverage. The CPS sample weights are adjusted to ensure that sample-based estimates of population match independent population controls. Three sets of controls are used:

      1) 51 state controls of the civilian noninstitutional population 16 years of age and older

      2) national civilian noninstitutional population controls for 14 hispanic and 5 nonhispanic age-sex categories

      3) national civilian noninstitutional population controls for 66 white, 42 black, and 10 "other" age-sex categories

   The independent population controls are prepared by projecting forward the resident population as enumerated on April 1, 1990. The projections are derived by updating demographic census data with information from a variety of other data sources that account for births, deaths, and net migration. Estimated numbers of resident Armed Forces personnel and institutionalized persons reduce the resident population to the civilian noninstitutional population. Estimates of net census undercount, determined from the Post Enumeration Survey, are added to the population projections. Prior to January 1994, the projections were based on earlier censuses, and there was no correction for census undercount. A summary of the current procedures used to make population projections is given in "Revisions in the Current Population Survey Effective January 1994" in the February 1994 issue of Employment and Earnings.

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. This adjustment is 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 1993 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. Note that the composite estimation procedure was not used for estimates published from January 1994 to May 1994. For a further description of both the composite estimator and seasonal adjustment, see "Explanatory Notes and Estimates of Error: Household Data - Estimating Methods (Composite Estimation Procedure)" and "Seasonal Adjustment" in any issue of Employment and Earnings.

Comparison of CPS Estimates from Microdata Files with Published Sources

	Civilian Noninstitutional Population	Civilian Labor Force	Employed	Unemployed	Not in Labor Force
January 1993 Data (000's)					
Final Weights	192,644	126,115	116,113	10,002	66,529
Composited (Not Seasonally Adjusted)	192,644	126,034	116,123	9,911	66,610
Composited (Seasonally Adjusted)	192,644	127,083	118,071	9,013	65,561
July 1993 Data (000's)					
Final Weights	193,633	130,399	121,450	8,949	63,234
Composited (Not Seasonally Adjusted)	193,633	130,324	121,323	9,002	63,309
Composited (Seasonally Adjusted)	193,633	128,070	119,301	8,769	65,563

ATTACHMENT 3A

OVERVIEW

November 1994 Voting and Registration

General

Census Bureau staff conducted the November 1994 Voting and Registration Survey as a supplement to that month's Current Population Survey (CPS). The CPS is a monthly labor force survey in which interviews are conducted in approximately 54,000 households across the Nation. Attachment 10 contains the November 1994 Voting and Registration supplement questions asked of all applicable persons 18 years old or older.

Attachment 2 comprises a description of the CPS entitled "Overview--Current Population Survey." A description of the November 1994 Voting and Registration Survey follows.

Data Collection

The voting and registration questions were asked of all persons who were both U.S. citizens and 18 years of age or older, as applicable. The CPS instrument determined who was eligible for the Voting and Registration supplement through use of check items that referred to basic CPS items, including age and citizenship.

Item S3 asked respondents if they voted in the November 8th election; if they responded "Yes," they were skipped to Item S5. Otherwise, they were asked if they were registered to vote in the November 8th election (Item S4).

All respondents, including those who were not U.S. citizens, were asked Item S6, "How long have you lived at this address?" The interviewer filled Item S7, "Who reported for this person?", depending upon whether it was a self- or proxy response.

Data Processing

The data processing involved editing the November Voting and Registration supplement data. This process is described below.

Edits and Allocations. The data processing involved a consistency edit of all Voting and Registration supplement items. In addition, age and citizenship were verified.

The values for each variable are defined in the supplement record layout (Attachment 9).

Weighting. There is no supplement weight associated with the November 1994 Voting and Registration supplement. Use the basic CPS weight for tallying the supplement items.

November 1994 CPS/Voting and Registration Computer File

CPS Labor Force Data. The November 1994 CPS file contains 153,456 records. Each record contains 908 characters. Attachment 9 contains the variable name, character size, location on record, universe, and the values of the variables.

The variable PRPERTYP (located in positions 161-162 on the CPS Basic Items Record Layout) determines the type of person as follows:

PRPERTYP

    1 = Child household member (0-14 years old)

    2 = Adult civilian household member (15+ years old)

    3 = Adult Armed Forces household member (15+ years old)

The variable HRINTSTA (located in positions 57-58 on the CPS Basic Items Record Layout) determines the interview status of the household.

HRINTSTA

    1 = Interview

    2 = Type A Noninterview (These records represent households that were eligible for the November 1994 CPS interview, but were not interviewed because no one was home, household members were temporarily absent, etc.)

    3 = Type B Noninterview (These records represent sample addresses determined to be ineligible for the CPS by virtue of being vacant, demolished, nonresidential, etc.)

    4 = Type C Noninterview (See explanation for Type B above)

By combining the values of PRPERTYP (1-3) and HRINTSTA (2-4), the number of records can be determined.

The values of PRPERTYP are:

		Unweighted Counts
1 = (Child)		32,110
2 = (Adult Civilian, 15+)		107,506
3 = (Adult, Armed Forces)		568

The values of HRINTSTA are:

2 = Type A Noninterview	3,358
3 = Type B Noninterview	9,515
4 = Type C Noninterview	39

November 1994 Voting and Registration Supplement Data

The November 1994 Voting and Registration supplement data are located in records 815-826. (See Attachment 9.)

Tallying the November 1994 Voting and Registration Supplement File

The November 1994 Voting and Registration supplement universe represented the full CPS sample comprised of all persons 18 years of age or older.

Unweighted Counts

Attachment 15 is a tally listing of unweighted counts. Use these counts to ensure that the file is being accessed properly.

ATTACHMENT 3B

OVERVIEW

November 1994 Computer Usage Survey

General

Census Bureau staff conducted the November 1994 Computer Usage Survey as a supplement to that month's Current Population Survey (CPS). The CPS is a monthly labor force survey in which interviews are conducted in approximately 54,000 households across the Nation. Attachment 10 contains the November 1994 Computer Usage supplement questions asked of all applicable persons.

Attachment 2 comprises a description of the CPS entitled "Overview--Current Population Survey." A description of the November 1994 Computer Usage Survey follows.

Data Collection

The computer usage questions were asked of all household reference persons or, if the reference person was not available for interview, spouses of reference persons.

Items SQ1 through SQ4 asked if anyone in the household owned a computer and modem, or if there were plans to buy such equipment within the next year. Items SQ5A through SQ10A determined actual use of on-line computer services, and also interest in using selected on-line services. Questions SQ11 and SQ12 solicited opinions on aspects of computer use. Items SQ14 through SQ16 were asked only of people who had children aged 5 through 18 years.

Data Processing

The data processing involved editing the November Computer Usage supplement data. This process is described below.

Edits and Allocations. The data processing involved a consistency edit of all Computer Usage supplement items.

The values for each variable are defined in the supplement record layout (Attachment 9).

Weighting. There is no supplement weight associated with the November 1994 Computer Usage supplement. Use the basic CPS weight for tallying the supplement items.

November 1994 CPS/Computer Usage Computer File

CPS Labor Force Data. The November 1994 CPS file contains 153,456 records. Each record contains 908 characters. Attachment 9 contains the variable name, character size, location on record, universe, and the values of the variables.

The variable PRPERTYP (located in positions 161-162 on the CPS Basic Items Record Layout) determines the type of person as follows:

PRPERTYP

       1 = Child household member (0-14 years old)

       2 = Adult civilian household member (15+ years old)

       3 = Adult Armed Forces household member (15+ years old)

The variable HRINTSTA (located in positions 57-58 on the CPS Basic Items Record Layout) determines the interview status of the household.

HRINTSTA

  1 = Interview

  2 = Type A Noninterview (These records represent households that were eligible for the November 1994 CPS interview, but were not interviewed because no one was home, household members were temporarily absent, etc.)

  3 = Type B Noninterview (These records represent sample addresses determined to be ineligible for the CPS by virtue of being vacant, demolished, nonresidential, etc.)

  4 = Type C Noninterview (See explanation for Type B above)

By combining the values of PRPERTYP (1-3) and HRINTSTA (2-4), the number of records can be determined.

The values of PRPERTYP are:

			Unweighted Counts
1	=	(Child)	32,110
2	=	(Adult Civilian, 15+)	107,506
3	=	(Adult, Armed Forces)	568

The values of HRINTSTA are:

2	=	Type A Noninterview	3,358
3	=	Type B Noninterview	9,515
4	=	Type C Noninterview	399

November 1994 Computer Usage Supplement Data

The November 1994 Computer Usage supplement data are located in character positions 827-908. (See Attachment 9.)

NOTE: Although all Computer Usage supplement items are household items, the Computer Usage data for each household is attached only to the reference person, who has a PERRP value of 1 or 2.

Tallying the November 1994 Computer Usage Supplement File

The November 1994 Computer Usage supplement universe represented the full CPS sample comprised of all households.

Unweighted Counts

Attachment 15 is a tally listing of unweighted counts. Use these counts to ensure that the file is being accessed properly.

ATTACHMENT 4

GLOSSARY

Current Population Survey

Age–Age classification is based on the age of the person at his/her last birthday. The adult universe (i.e., population of marriageable age) is comprised of persons 15 years and over for CPS labor force data.

Allocation Flag–Each edited item has a corresponding allocation flag indicating the nature of the edit. See the attachment on allocation flags for more information. The second character of the item name is always "X".

Armed Forces–Demographic information for Armed Forces members (enumerated in off-base housing or on-base with their families) is included on the CPS data files. No labor force information is collected of Armed Forces members in any month. In March, supplemental data on income are included for Armed Forces members. This is the only month that non-demographic information is included for Armed Forces members.

Civilian Labor Force–(See Labor Force.)

Class of Worker–This refers to the broad classification of the person's employer. These broad classifications for current jobs are:

1) Federal government
2) State government
3) Local government
4) Private industry (including self-employed, incorporated)
5) Self-employed (not incorporated)
6) Working without pay

Domain–The domain for an item is a list or range of its possible values. Note that all unedited items have possible values of -1 (blank), -2 (don't know), and -3 (refused). Since all items have these possible values, they are not shown as valid entries for each item.

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.

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

Edited item–An edited item is allocated or imputed by the processing system. In most cases this means allocating a value where the unedited item contains a value of blank, "don't know", or "refused". The second character of the item name is always "E".

An edited version of an item exists only if that item is processed through the edits. If the edits never deal with a particular item, then that item only has an unedited version.

Since the instrument enforces skip patterns and consistency between many items, the edits are left mainly with the job of allocating missing values. Also, since an interviewer is allowed to "back up" in the interview,

there may be "off-path" items filled in the unedited data. The edits also blank these off-path items if an edited version of the items exists.

Education–(See Level of School Completed.)

Employed–(See Labor Force.)

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

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

Family Weight–This weight is used only for tallying family characteristics. In March, the weight on the family record is the March supplement weight of the householder or reference person.

Final Weight–Used in tabulating labor force items in all months, including March. The final weight is controlled to independent estimates for:

1) States
2) Origin, Sex, and Age
3) Age, Race, and Sex

This weight should not be used when tabulating March supplement data.

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

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

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

Highest Grade of School Attended–(See Level of School Completed.)

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

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

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

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

Household Weight–The household weight is used for tallying household characteristics. In March, the household weight is the March Supplement weight of the householder.

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

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

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

Industry, Occupation, and Class of Worker (I&O)–Current Job (basic data)–For the employed, current job is the job held in the reference week (the week before the survey). Persons with two or more jobs are classified in the job at which they worked the most hours during the reference week. The unemployed are classified according to their latest full-time job lasting two or more weeks or by the job (either full-time or part-time). The I & O questions are also asked of persons not in the labor force who are in the fourth and eighth months in sample and who have worked in the last five years.

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

Longitudinal Weight–Used for gross flows analysis. Only found on adult records matched from month to month.

PEMLR–(Major Labor Force Recode)–This classification is available for each civilian 15 years old and over according to his/her responses to the monthly (basic) labor force items.

Labor Force–Persons are classified as in the labor force if they are employed, unemployed, or in the Armed Forces during the survey week. The "civilian labor force" includes all civilians classified as employed or unemployed. The file includes labor force data for civilians age 15 and over. However, the official definition of the civilian labor force is age 16 and over.

    1.   *Employed*

        Employed persons comprise (1) all civilians who, during the survey week, do any work at all as paid employees or in their own business or profession, or on their own farm, or who work 15 hours or more as unpaid workers on a farm in a business operated by a member of the family; and (2) all those who have jobs but who are not working because of illness, bad weather, vacation, or labor-management dispute, or because they are taking time off for personal reasons, whether or not they are seeking other jobs.

These persons would have a Monthly Labor Force Recode (MLR) of 1 or 2 respectively in characters 180-181 of the person record which designates "at work" and "with a job, but not at work." Each employed person is counted only once. Those persons who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week. If they worked an equal number of hours at more than one job, they are counted at the job they held the longest.

2. *Unemployed*

Unemployed persons are those civilians who, during the survey week, have no employment but are available for work, and (1) have engaged in any specific job seeking activity within the past 4 weeks such as registering at a public or private employment office, meeting with prospective employers, checking with friends or relatives, placing or answering advertisements, writing letters of application, or being on a union or professional register; (2) are waiting to be called back to a job from which they had been laid off; or (3) are waiting to report to a new wage or salary job within 30 days. These persons would have an MLR code of 3 or 4 in characters 180-181 of the person record. The unemployed includes job leavers, job losers, new job entrants, and job reentrants.

a. *Job Leavers*

Persons who quit or otherwise terminate their employment voluntarily and immediately begin looking for work.

b. *Job Losers*

Persons whose employment ends involuntarily, who immediately begin looking for work, and those persons who are already on layoff.

c. *New Job Entrants*

Persons who never worked at a full-time job lasting two weeks or longer.

d. *Job Reentrants*

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

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.

3. *Not in Labor Force*

All civilians 15 years old and over who are not classified as employed or unemployed. These persons are further classified by major activity: retired, unable to work because of long-term physical or mental illness, and other. The "other" group includes, for the most part, students and persons keeping house. Persons who report doing unpaid work in a family farm or business for less than 15 hours are also classified as not in the labor force.

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

Persons classified as NILF have an MLR code of 5-7 in characters 180-181 of the person record.

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.

Level of School Completed/Degree Received–These data changed beginning with the January 1992 file. A new question, "What is the highest level of school ... has completed or the highest degree ... has received?" replaced the old "Highest grade attended" and "Year completed" questions. The new question provides more accurate data on the degree status of college students. 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.

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

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

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

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

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

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

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

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

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

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

Out Variable–An instrument-created item that stores the results of another item.

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

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

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

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

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

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

Processing Recode–An item calculated by the processing system from a combination of other items in the database. The second character of the item name is always "R".

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

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

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

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

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

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

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

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

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

Unedited item–An item that is produced by the CAPI instrument, either collected during the interview or created by the CAPI instrument. The second character of the item name is always "U".

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.

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

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

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

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

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

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

Workers–(See Labor Force--Employed.)

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

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

Revisions in the Current Population Survey Effective January 1994

Sharon R. Cohany, Anne E. Polivka, and Jennifer M. Rothgeb

A major redesign of the Current Population Survey (CPS) was implemented in January 1994. The primary aim of the redesign was to improve the quality of the data derived from the survey by introducing a new questionnaire and modernized data collection methods. This article discusses the major features of the new questionnaire and collection methods and compares the estimates derived under the former and new procedures.[1] The article also describes the introduction of new population controls based on the 1990 census adjusted for the estimated population undercount. (The effects of the redesign and other survey changes on the publication of data are discussed in the companion article, "Revisions in the Presentation of Data in Employment and Earnings," in this issue.)

Redesign of the Current Population Survey

Background

A monthly survey of some 60,000 households, the CPS is conducted by the Bureau of the Census for the Bureau of Labor Statistics. Since its inception in 1940, the CPS has been the primary source of information on the employed, the unemployed, and persons not in the labor force.

Prior to the recent redesign, the survey questionnaire had been virtually unchanged for nearly three decades. The last major revisions were made in 1967.[2] Since that time, problems with the questionnaire in measuring certain labor market concepts were identified. Also, the Nation's economy and society underwent major shifts. For instance, there has been tremendous growth in the number of service-sector jobs, while the number of factory jobs has declined sharply as a share of overall employment. Other changes include the more prominent role of women in the work force and the growing popularity of alternative work schedules. These changes raised issues which were not being fully addressed with the old questionnaire. In addition, there had been major advances in survey research methods and data collection technology. Spurred by all of these developments, work by BLS and the Bureau of the Census began in the mid-1980's to redesign the CPS to better capture the dynamics of the contemporary labor market, while incorporating recent advances in data collection technology.

The redesign of the questionnaire had four main objectives: 1) To measure the official labor force concepts more precisely, 2) to expand the amount of data available, 3) to implement several definitional changes, and 4) to adopt a computer-assisted interviewing environment.

Beginning in 1988, BLS and the Bureau of the Census conducted a number of research projects to guide the development of a new CPS questionnaire. Alternative versions of the questionnaire were developed, based on both this research and recommendations made in 1979 by the National Commission on Employment and Unemployment Statistics, also known as the Levitan Commission.[3] The various questionnaire alternatives were tested in 1990 and 1991 in two phases, using centralized computer-assisted telephone interviewing (CATI) with a sample of households selected through random digit dialing (RDD) techniques. The results of both of these experimental phases were used in the development of the final revised questionnaire.

The new version was then tested extensively in a national sample survey, which ran parallel to the CPS from July 1992 to December 1993. This article compares data from this "parallel survey" with results from the official CPS using 1993 annual averages, in order to gauge the effects of the new questionnaire and computer-assisted data collection on the estimates.

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[1] For additional information on the background of the CPS redesign, see "Questions and Answers on the Redesign of the Current Population Survey," available from BLS, and three articles published in the September 1993 *Monthly Labor Review* under the heading "Overhauling the Current Population Survey." A comprehensive bibliography is available from BLS upon request.

[2] See Robert L. Stein, "New Definitions for Employment and Unemployment," *Employment and Earnings*, February 1967.

[3] National Commission on Employment and Unemployment Statistics, *Counting the Labor Force*, 1979.

Computerization

The new questionnaire was designed for a computer-assisted interview. In most cases, interviewers conduct the survey either in person at the respondent's home or by telephone from the interviewer's home, using laptop computers on which the questionnaire has been programmed. This mode of data collection is known as computer-assisted personal interviewing (CAPI). Interviewers ask the survey questions as they appear automatically on the screen of the laptop, and then type the responses directly into the computer. At the end of each day, interviewers transmit the data via modem to the computer at the Bureau of the Census headquarters. A portion of sample households (expected to reach about 20 percent later this year) is interviewed via CATI, from two centralized telephone centers (located in Hagerstown, Maryland and Tucson, Arizona) by interviewers who also use a computerized questionnaire.

Computer-assisted interviewing has important benefits, most notably:

Consistency. In a survey such as the CPS, consistency from interview to interview is essential for data quality. Automation facilitates the use of a relatively complex questionnaire, incorporating complicated skip patterns and standardized followup questions. Yet, certain questions are automatically tailored to the individual's situation to make them more understandable to the respondent.

Editing. The computerized questionnaire has several built-in editing features, including automatic checks for internal consistency and unlikely responses. In this way, some potential errors can be caught and corrected during the interview itself.

Dependent interviewing. An automated interview also permits dependent interviewing, that is, the use of information in the current interview that was obtained in a previous month's interview. Dependent interviewing reduces respondent and interviewer burden, while improving consistency of the data from one month to the next. The technique is being used to confirm the previously reported occupation and industry of a person's job and, for many people not in the labor force, to confirm their status as retired or disabled. If it is determined that there has been no change in the information which was supplied in the earlier interview, no further questions on the topic are asked. If, however, the information which was previously supplied has changed, the respondents are asked to provide the updated information. In a somewhat different form of dependent interviewing, persons' duration of unemployment is asked in the first month they are reported as unemployed, and this information is automatically updated by either 4 or 5 weeks if they remain unemployed in the subsequent month.

It should be noted that the new questionnaire was designed for computer-assisted interviewing. Given the complexity of the skip patterns and the use of dependent interviewing, it would be nearly impossible to administer the new survey using a paper-and-pencil questionnaire. In fact, there is no operational paper version of the new questionnaire.

Major Questionnaire Changes

Enhanced accuracy

Unlike the 1967 revision, whose major purpose was to sharpen the definition of unemployment, the emphasis of the 1994 redesign was to improve the overall quality of labor market information through extensive question changes and the introduction of computers into the collection procedures. The redesign was also undertaken to obtain data on topics not previously or adequately covered.

While the labor force status of most people is straightforward, some are more difficult to classify correctly, especially if they are engaged in activities that are relatively informal or intermittent. Many of the changes to the questionnaire were made to deal with such cases. This was accomplished by rewording and adding questions to conform more precisely with the official definitions, making the questions easier to understand and answer, minimizing reliance on volunteered responses, revising response categories, and taking advantage of the benefits of an automated interview. Areas affected by these improvements include:

Reference week. Many questions refer to activities "last week," but in the former questionnaire the time period was never defined. Research found that fewer than 20 percent of respondents defined the reference week as it is meant in the survey, that is, from Sunday to Saturday of the week including the 12th day of the month. The new questionnaire provides respondents with the specific dates of the reference week.

On layoff. Persons on layoff are defined as those who are separated from a job to which they are awaiting recall. The old questionnaire, however, was not structured to consistently obtain information on the expectation of recall. This was a particular problem since, in common parlance, the term "layoff" has come to refer to a permanent termination rather than the temporary situation that BLS and the Census Bureau are trying to measure.

In order to measure layoffs more accurately, questions were added to determine if people reported to be on layoff did in fact have an expectation of recall — that is, had they been given a specific date to return to work or, at least, had they been given an indication that they would be recalled within the next 6 months. Also, a direct question about layoff replaced a long and cumbersome question about both layoff and absence from work.

Jobsearch methods. To be counted as unemployed, a person must have engaged in an active jobsearch during the 4

weeks prior to the survey, that is, must have taken some action that could result in a job offer. In addition to contacting employers directly, active jobsearch methods include answering want ads, sending out resumes, and contacting private or public employment agencies. On the other hand, passive methods, such as taking a class or simply reading the want ads, do not qualify as a jobsearch. To allow interviewers to better distinguish between active and passive methods, the response categories for jobsearch methods were expanded and reformatted. Also, the basic question on jobsearch methods was reworded and followup questions were added to encourage respondents to report all types of jobsearch activity.

Hours at work. Research showed that, when asked about their actual hours at work, some respondents provided their scheduled or usual hours instead. To improve the accuracy of these data, the series of questions on hours worked was reordered to incorporate a recall strategy, which asks for usual hours first, then about possible time taken off or extra hours worked during the reference week, and finally about hours actually worked.

Reasons for working part time. Persons who work part time (fewer than 35 hours a week) do so either voluntarily (that is, because of personal constraints or preferences) or involuntarily (that is, because of business-related reasons such as slack work or the lack of full-time opportunities). Because respondents typically are not familiar with this distinction, the question asking why those working part time were doing so was reworded to provide examples of the two types of reasons. More importantly, the measurement of working part time involuntarily (or for economic reasons) was modified to better reflect the concept. Starting in 1994, workers who are part time for economic reasons must want and be available for full-time work. Individuals who usually work part time for an economic reason are asked direct questions to determine if they meet these criteria; those usually working full time are assumed to meet them.

Occupation and industry. Research has shown that the former system of asking questions on occupation, industry, and class of worker independently each month led to an overreporting of month-to-month change. The accuracy of these data will benefit significantly from the use of dependent interviewing, with most respondents being asked to supply this information only in the initial interview. In subsequent months, they are asked merely to verify the information that had been reported earlier regarding their employer, occupation, and usual activities on the job. If no changes have taken place, no further questions are asked and the information is simply carried forward. If changes in the job situation have occurred, the series of questions that was asked in the previous month is asked again.

Unpaid family workers. The definition of employment includes persons who work without pay for at least 15 hours a week in a business or farm owned by a member of their immediate family. To better measure the extent of work in such businesses, the new questionnaire has a direct question on the presence of a business in the household. Persons in households with a business who are not otherwise employed are specifically asked if they worked in the business.

Earnings. With the former questionnaire, respondents were asked to report their earnings as a weekly amount, even though that may not have been the easiest way to recall or report their earnings. In the new version, respondents are asked to report earnings in the time frame which they find easiest, for example, hourly, weekly, biweekly, monthly, or annual. Weekly earnings are automatically calculated for persons who respond on a basis other than weekly. Also, individuals are asked a specific question to determine if they usually receive overtime pay, tips, or commissions. For minimum wage studies, all earners are asked if they are, in fact, paid at hourly rates.

New data

The questionnaire redesign also makes it possible to collect several types of data regularly for the first time, namely:

Multiple jobholding. Employed persons are now asked each month whether they had more than one job. This allows BLS to produce estimates of multiple jobholding on a monthly basis, rather than having to derive them through special, periodic supplements. The inclusion of the multiple jobholding question also enhances the accuracy of answers to the questions on hours worked, and it may help to reconcile employment estimates from the CPS with those from the Current Employment Statistics program, BLS' survey of nonfarm business establishments.

Usual hours. All employed persons are asked each month about the hours they usually work. Previously, information on usual hours was collected from just one-quarter of wage and salary workers each month.

Definitional changes

As part of the redesign, several labor force definitions were modified, specifically:

Discouraged workers. This was the most important definitional change implemented. The Levitan Commission had criticized the former definition, because it was based on a subjective desire for work and on somewhat arbitrary assumptions about an individual's availability to take a job. As a result of the redesign, two requirements were added: For persons to qualify as discouraged, they must have engaged in some jobsearch within the past year (or since they last worked if they worked within the past year), and they must be currently available to take a job. (Formerly, avail-

ability was inferred from responses to other questions; now there is a direct question.) Discouraged workers are now defined as *persons who want a job, are available to take a job, and who had looked for work within the past year but not within the prior 4 weeks because they believed their search would be futile*. Specifically, their main reason for not recently looking for work was one of the following: *Believes no work available in line of work or area; couldn't find any work; lacks necessary schooling, training, skills or experience; employers think too young or too old; or other types of discrimination*. Also, beginning in January 1994, questions on this subject are asked of the full CPS sample rather than being limited to a quarter of the sample, permitting estimates of the number of discouraged workers to be published monthly (rather than quarterly).

Unemployment. A relatively minor change was incorporated into the definition of unemployment. Under the former definition, persons who volunteered that they were waiting to start a job within 30 days (a very small group numerically) were classified as unemployed, whether or not they were actively looking for work. Under the new definition, people waiting to start a new job are no longer automatically counted as unemployed. Rather, they must have actively looked for a job within the last 4 weeks in order to be counted as unemployed. Otherwise, they will be classified as not in the labor force. Thus, beginning in January 1994, the unemployed are defined as persons 1) without jobs; 2) actively seeking work, or on layoff from a job and expecting recall (who need not be seeking work to qualify); and 3) currently available to take a job (including temporary illness).

New entrants and reentrants. Unemployed persons who were not working just before their jobsearch commenced are classified as either new entrants or reentrants (to the labor force). Prior to 1994, new entrants were defined as jobseekers who had never worked at a full-time job lasting 2 weeks or longer; reentrants were defined as jobseekers who had held a full-time job for at least 2 weeks and had then spent some time out of the labor force prior to their most recent period of jobsearch. These definitions have been modified to encompass any type of job, not just a full-time job of at least 2 weeks duration. Thus, new entrants are now defined as jobseekers who have never worked at all, and reentrants are jobseekers who have worked before, but not immediately prior to their jobsearch.

Full-time and part-time workers. The classification of full- and part-time workers is now based completely on their usual weekly hours worked. In the past, due to limitations in the questionnaire, persons who worked full time in the reference week were not asked about their usual hours. Rather, they were assumed to work full time on a usual

basis and classified as full-time workers. In the revised questionnaire, *all* workers are asked the number of hours they usually work, and are classified accordingly.

The Parallel Survey

As mentioned above, the new computerized questionnaire was tested in a parallel survey, also known as the "CATI/CAPI Overlap." The parallel survey was administered to approximately 12,000 households per month for 18 months, from July 1992 to December 1993. The survey had several objectives, including testing the complex programming of the questionnaire, breaking in computerized data collection and transmission operations, and measuring differences in major labor force estimates between the old and new surveys. Since a lack of funding prevented the administration of the former questionnaire in a CAPI environment and since the new questionnaire's complexity prevented its administration on paper, the effects of computer–assisted data collection on the labor force estimates cannot be completely isolated from the effects of changes in question wording and sequence.

The parallel survey was a nationally representative survey, in which all of the largest metropolitan areas were included and the remaining areas were sampled on a probability basis.[4] The parallel survey had the same rotation schedule as the CPS, that is, households were interviewed for 4 months, left the sample for the next 8 months, and then were interviewed for another 4 months.

When comparing estimates derived from the parallel survey with official CPS estimates, it should be recognized that the parallel survey was based on a national sample, in contrast with the State-based sample design of the CPS. Moreover, the sample of the parallel survey was just one-fifth the size of the CPS sample. This means that its estimates have greater variance, particularly those for small groups, which are based on relatively few sample members.

The data compared in this article are 1993 annual averages. There were, of course, month-to-month fluctuations, especially in the parallel survey, which are minimized using averages of 12 months of data. For example, the overall unemployment rate from the parallel survey for the 12-month period under study (January-December 1993) averaged 0.5 percentage point higher than the rate from the CPS, compared with monthly differences ranging from 0.1 to 0.7 percentage point.

Comparisons Between CPS and Parallel Survey Estimates

The following analysis describes differences in labor market estimates between the official CPS and the parallel survey for 1993. This includes highlights of the major

[4] The sample design of the parallel survey was based on that used by the National Crime Victimization Survey (NCVS), which is conducted by the Bureau of the Census for the Bureau of Justice Statistics.

differences as well as sections on the employed, unemployed, persons in the labor force, and persons not in the labor force.

Explanations for observed differences in the estimates are suggested whenever possible. It is important to note, however, that given the sweeping changes to the survey, it is impossible to completely disentangle the underlying causes behind the differences. In general, only differences that are statistically significant at the 90-percent confidence level are discussed. Confidence intervals for major estimates are shown in table 1. Standard errors for estimates in all other tables are available from BLS upon request. In order to maintain comparability with parallel survey results, the CPS estimates used in this article were not subjected to the compositing procedure, and as a result may not always agree with published estimates.[5]

Highlights of findings

The following are highlights of the study comparing data from the parallel survey (using the revised questionnaire and automated collection) with the CPS (using the former questionnaire and procedures) for 1993.

• The national unemployment rate as estimated by the parallel survey was higher than the rate obtained by the CPS. This difference averaged 0.5 percentage point (table 1). As shown in table 2, the measured effect was relatively larger for women than for men. The parallel survey also measured more unemployment among teenagers and older workers (65 years and over).

• The overall proportion of the population that was working — the employment–population ratio — was essentially the same in the parallel survey and the CPS. However, there were marked differences by gender. For men, the ratio was lower in the parallel survey than in the CPS; for women the ratio based on the parallel survey was higher.

• The labor force participation rate was estimated to be higher in the parallel survey than in the CPS. Again, there were significant differences by gender: The percentage for men was lower in the parallel survey while the rate for women was higher.

Employment

As stated above, overall estimates of employment differed little between the parallel survey and the CPS. The employment-population ratio was 61.8 percent in the parallel survey, statistically indistinguishable from the 61.7 percent using the CPS. This similarity in the aggregate ratio, however, masks significant differences by gender. The ratio for women was higher in the parallel survey than in the CPS — 54.9 versus 54.2 percent — while for men the measure from the parallel survey was lower — 69.3 versus

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[5] Compositing is an estimation procedure which reduces variability in estimates, especially of month-to-month change. For a detailed explanation, see "Estimating Methods" under the Household Data section of the Explanatory Notes and Estimates of Error in this publication.

69.9 percent. (See table 2.)

There are several questionnaire changes which may have contributed to higher estimates of employment among women. Many of the revisions to the new questionnaire were made to capture labor force activity more completely, especially that of a more irregular or informal nature. To this end, key questions on work activity were reworded. (See exhibit A.) For example, the question asking about work was changed from "Did you do any work at all LAST WEEK, not counting work around the house?" to "LAST WEEK, did you do ANY work for pay?" Some respondents to the former questionnaire may have failed to report work activities if their activities were part time, intermittent, or perhaps even if they were home-based. The revised question communicates more clearly to the respondent that the survey uses an inclusive definition of work, to encompass any work for pay.

Indeed, the entire context of the interview must be considered. The labor force portion of the former CPS interview began with the following question: "What were you doing most of LAST WEEK (Working, keeping house, going to school, or something else)?" This question, originally introduced as an "icebreaker," has been criticized on several grounds. For one, we really don't want to know what a person was doing most of last week (the answer to that might be something unrelated to labor force activity), but rather whether a person worked at all last week. The phrase "most of last week," moreover, may have been indicating to some respondents that the interest of the survey was in full-time, "regular" employment and not in part-time or intermittent work.

Another difficulty with the former opening question was that interviewers were instructed to tailor it depending on the person's apparent situation. For a person (typically a woman) who appeared to be a homemaker, the question could be phrased, "What were you doing most of last week — working, keeping house, or something else?" For a young person, the question could be tailored to read, "What were you doing most of last week — working, going to school, or something else?" The "working" option was not always offered. Everyone else was asked, "What were you doing most of last week — working or something else?" It is not known to what extent these procedures were followed; however, the instructions for tailoring provided the potential for bias and may have cast doubt on the intent of the survey to capture all labor force activity.

In the new questionnaire, none of the questions is customized on the basis of the appearance of respondents. Thus, for example, after an opening question (asked once for the entire household) on the presence of a business or farm, *everyone* is asked whether he or she did *any* work for pay, clearly setting the tone that this is a survey in which labor force activity is the sole interest. Also, the new version systematically asks about employment in family busi-

Table 1. Employment status of the population for selected labor force groups using 1980 census–based population estimates from the CPS and the parallel survey, 1993 annual averages

(Numbers in thousands)

Employment status and group	CPS[1]	Parallel survey	Difference	
			Level	Error at 1.6 sigma[2]
TOTAL				
Civilian noninstitutional population	193,550	193,550	0	0
Civilian labor force	128,103	128,965	862	642
Percent of population	66.2	66.6	.4	.3
Employed	119,389	119,606	217	696
Employment–population ratio	61.7	61.8	.1	.4
Unemployed	8,714	9,359	645	278
Unemployment rate	6.8	7.3	.5	.2
Men, 20 years and over				
Civilian noninstitutional population	85,906	85,850	-56	0
Civilian labor force	66,077	65,599	-478	354
Percent of population	76.9	76.4	-.5	.4
Employed	61,884	61,283	-601	381
Employment–population ratio	72.0	71.4	-.6	.4
Unemployed	4,193	4,316	123	189
Unemployment rate	6.4	6.6	.2	.3
Women, 20 years and over				
Civilian noninstitutional population	94,389	94,361	-28	0
Civilian labor force	55,184	56,162	978	486
Percent of population	58.5	59.5	1.0	.5
Employed	51,966	52,604	638	503
Employment–population ratio	55.1	55.8	.7	.5
Unemployed	3,219	3,559	340	159
Unemployment rate	5.8	6.3	.5	.3
Both sexes, 16 to 19 years				
Civilian noninstitutional population	13,254	13,338	84	0
Civilian labor force	6,842	7,203	361	178
Percent of population	51.6	54.0	2.4	1.3
Employed	5,540	5,719	179	174
Employment–population ratio	41.8	42.9	1.1	1.3
Unemployed	1,303	1,485	182	100
Unemployment rate	19.0	20.6	1.6	1.3
White				
Civilian noninstitutional population	163,921	163,921	0	0
Civilian labor force	109,407	110,209	802	607
Percent of population	66.7	67.2	.5	.4
Employed	102,891	103,267	376	648
Employment–population ratio	62.8	63.0	.2	.4
Unemployed	6,516	6,942	426	223
Unemployment rate	6.0	6.3	.3	.2
Black				
Civilian noninstitutional population	22,329	22,329	0	0
Civilian labor force	13,957	13,908	-49	325
Percent of population	62.5	62.3	-.2	1.5
Employed	12,148	11,923	-225	321
Employment–population ratio	54.4	53.4	-1.0	1.4
Unemployed	1,809	1,985	176	129
Unemployment rate	13.0	14.3	1.3	.9

See footnote at end of table.

Table 1. Employment status of the population for selected labor force groups using 1980 census-based population estimates from the CPS and the parallel survey, 1993 annual averages—Continued

(Numbers in thousands)

Employment status and group	CPS[1]	Parallel survey	Difference Level	Difference Error at 1.6 sigma[2]
Hispanic origin				
Civilian noninstitutional population	15,753	15,753	0	0
Civilian labor force	10,385	10,666	281	241
Percent of population	65.9	67.7	1.8	1.5
Employed	9,285	9,412	127	268
Employment-population ratio	58.9	59.7	.8	1.7
Unemployed	1,100	1,254	154	97
Unemployment rate	10.6	11.8	1.2	.9

[1] These estimates differ slightly from previously published 1993 averages because of the estimation procedure used.

[2] Sampling error at the 90-percent confidence level.

NOTE: Population estimates obtained from the two surveys will not always agree due to slight differences in estimating procedures. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

Table 2. Employment status of the population by age, sex, race, and Hispanic origin using 1980 census-based estimates from the CPS and the parallel survey, 1993 annual averages

(Numbers in thousands)

Employment status and age	Total CPS[1]	Total Parallel survey	Total Difference[2]	Men CPS[1]	Men Parallel survey	Men Difference[2]	Women CPS[1]	Women Parallel survey	Women Difference[2]
Civilian noninstitutional population									
Total, 16 years and over	193,550	193,550	0	92,620	92,620	0	100,930	100,930	0
16 to 19 years	13,254	13,338	84	6,714	6,769	55	6,540	6,569	29
20 to 24 years	17,583	17,641	58	8,613	8,677	64	8,970	8,964	-6
25 to 34 years	41,314	41,375	61	20,382	20,374	-8	20,933	21,002	69
35 to 44 years	40,341	40,238	-103	19,831	19,785	-46	20,510	20,453	-57
45 to 54 years	28,863	28,943	80	14,027	14,016	-11	14,836	14,927	91
55 to 64 years	21,029	21,006	-23	9,976	9,990	14	11,053	11,016	-37
65 years and over	31,164	31,008	-156	13,078	13,009	-69	18,086	17,999	-87
Civilian labor force									
Total, 16 years and over	128,103	128,965	862	69,656	69,300	-356	58,447	59,664	1,217
16 to 19 years	6,842	7,203	361	3,579	3,702	123	3,263	3,502	239
20 to 24 years	13,555	13,705	150	7,159	7,186	27	6,396	6,519	123
25 to 34 years	34,473	34,609	136	19,049	18,828	-221	15,424	15,782	358
35 to 44 years	34,274	34,287	13	18,544	18,457	-87	15,730	15,830	100
45 to 54 years	23,556	23,622	66	12,642	12,482	-160	10,914	11,139	225
55 to 64 years	11,863	11,736	-127	6,632	6,473	-159	5,231	5,262	31
65 years and over	3,540	3,802	262	2,051	2,173	122	1,489	1,629	140
Participation rate									
Total, 16 years and over	66.2	66.6	.4	75.2	74.8	-.4	57.9	59.1	1.2
16 to 19 years	51.6	54.0	2.4	53.3	54.7	1.4	49.9	53.3	3.4
20 to 24 years	77.1	77.7	.6	83.1	82.8	-.3	71.3	72.7	1.4
25 to 34 years	83.4	83.6	.2	93.5	92.4	-1.1	73.7	75.1	1.4
35 to 44 years	85.0	85.2	.2	93.5	93.3	-.2	76.7	77.4	.7
45 to 54 years	81.6	81.6	.0	90.1	89.1	-1.0	73.6	74.6	1.0
55 to 64 years	56.4	55.9	-.5	66.5	64.8	-1.7	47.3	47.8	.5
65 years and over	11.4	12.3	.9	15.7	16.7	1.0	8.2	9.1	.9

See footnote at end of table.

Table 2. Employment status of the population by age, sex, race, and Hispanic origin using 1980 census-based estimates from the CPS and the parallel survey, 1993 annual averages—Continued

(Numbers in thousands)

Employment status and age	Total			Men			Women		
	CPS[1]	Parallel survey	Differ- ence[2]	CPS[1]	Parallel survey	Differ- ence[2]	CPS[1]	Parallel survey	Differ- ence[2]
Employed									
Total, 16 years and over	119,389	119,606	217	64,727	64,200	-527	54,662	55,406	744
16 to 19 years...............	5,540	5,719	179	2,844	2,918	74	2,696	2,802	106
20 to 24 years...............	12,137	12,233	96	6,354	6,386	32	5,783	5,846	63
25 to 34 years...............	32,119	32,099	-20	17,729	17,527	-202	14,390	14,573	183
35 to 44 years...............	32,406	32,347	-59	17,512	17,400	-112	14,894	14,947	53
45 to 54 years...............	22,444	22,431	-13	12,011	11,808	-203	10,433	10,623	190
55 to 64 years...............	11,313	11,154	-159	6,292	6,106	-186	5,022	5,048	26
65 years and over	3,430	3,623	193	1,986	2,057	71	1,444	1,566	122
Employment-population ratio									
Total, 16 years and over	61.7	61.8	.1	69.9	69.3	-.6	54.2	54.9	.7
16 to 19 years...............	41.8	42.9	1.1	42.4	43.1	.7	41.2	42.7	1.5
20 to 24 years...............	69.0	69.3	.3	73.8	73.6	-.2	64.5	65.2	.7
25 to 34 years...............	77.7	77.6	-.1	87.0	86.0	-1.0	68.7	69.4	.7
35 to 44 years...............	80.3	80.4	.1	88.3	88.0	-.3	72.6	73.1	.5
45 to 54 years...............	77.8	77.5	-.3	85.6	84.3	-1.3	70.3	71.2	.9
55 to 64 years...............	53.8	53.1	-.7	63.1	61.1	-2.0	45.4	45.8	.4
65 years and over	11.0	11.7	.7	15.2	15.8	.6	8.0	8.7	.7
Unemployed									
Total, 16 years and over	8,714	9,359	645	4,928	5,100	172	3,785	4,259	474
16 to 19 years...............	1,302	1,485	183	735	784	49	567	700	133
20 to 24 years...............	1,417	1,472	55	805	800	-5	613	673	60
25 to 34 years...............	2,354	2,511	157	1,320	1,301	-19	1,034	1,210	176
35 to 44 years...............	1,868	1,940	72	1,033	1,057	24	835	883	48
45 to 54 years...............	1,112	1,190	78	631	675	44	482	516	34
55 to 64 years...............	550	581	31	341	367	26	209	214	5
65 years and over	110	180	70	65	116	51	45	63	18
Unemployment rate									
Total, 16 years and over	6.8	7.3	.5	7.1	7.4	.3	6.5	7.1	.6
16 to 19 years...............	19.0	20.6	1.6	20.5	21.2	.7	17.4	20.0	2.6
20 to 24 years...............	10.5	10.7	.2	11.2	11.1	-.1	9.6	10.3	.7
25 to 34 years...............	6.8	7.3	.5	6.9	6.9	.0	6.7	7.7	1.0
35 to 44 years...............	5.5	5.7	.2	5.6	5.7	.1	5.3	5.6	.3
45 to 54 years...............	4.7	5.0	.3	5.0	5.4	.4	4.4	4.6	.2
55 to 64 years...............	4.6	5.0	.4	5.1	5.7	.6	4.0	4.1	.1
65 years and over	3.1	4.7	1.6	3.2	5.4	2.2	3.0	3.9	.9

[1] These estimates differ slightly from previously published 1993 averages because of the estimation procedure used.

[2] These differences may not equal the results obtained from comparing the values shown in the table because of independent rounding.

NOTE: Population estimates obtained from the two surveys will not always agree due to slight differences in estimating procedures.

EXHIBIT A. COMPARISON OF KEY EMPLOYMENT AND UNEMPLOYMENT QUESTIONS

CPS

1. What were you doing most of LAST WEEK -

   (working or something else?)

   (keeping house or something else?)

   (going to school or something else?)

   If answer indicates "with a job, but not at work" (either temporarily or on layoff), ask 2, and if 2 is "no" ask 4. If answer indicates "working," skip 2. All others, ask 2.

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

3. Did you have a job or business from which you were temporarily absent or on layoff LAST WEEK?

   If "no," ask 5. If "yes," ask 4.

4. Why were you absent from work LAST WEEK?

5. Have you been looking for work during the past 4 weeks?

   If "yes," ask 6.

6. What have you been doing in the last 4 weeks to find work?

PARALLEL SURVEY

1. Does anyone in this household have a business or a farm?

2. LAST WEEK, did you do ANY work for (either) pay (or profit)?

   Parentheticals in question filled in if anyone in the household has a business or farm.

   If 1 is "yes" and 2 is "no," ask 3.

3. LAST WEEK, did you do any unpaid work in the family business or farm?

   If 2 and 3 are both "no," ask 4.

4. LAST WEEK, (in addition to the business,) did you have a job, either full or part time? Include any job from which you were temporarily absent.

   Parenthetical in question filled in if anyone in the household has a business or farm.

   If 4 is "no," ask 5.

5. LAST WEEK, were you on layoff from a job?

   If 5 is "yes," ask 6. If 5 is "no," ask 8.

6. Has your employer given you a date to return to work?

   If "no," ask 7.

7. Have you been given any indication that you will be recalled to work within the next 6 months?

   If "no," ask 8.

8. Have you been doing anything to find work during the last 4 weeks?

   If "yes," ask 9.

9. What are all of the things you have done to find work during the last 4 weeks?

nesses and farms, where much of the previously "missing employment" seems to have taken place.

The series of questions on work in the former questionnaire may have also led to an overstatement of men's labor market activity, which was concentrated among men who were reported as having a job but absent from work. This is discussed in the section on characteristics of the employed.

Unemployment

The new questionnaire (including the new collection procedures) yielded an overall unemployment rate half a percentage point higher than the CPS, 7.3 percent compared with 6.8 percent for the period January to December 1993. But, as with the employment–population ratio, this statistic hides variations among worker groups. Namely, the higher incidence of unemployment was statistically significant only for women, workers 65 years and over, and teenagers. The difference for men (0.3 percentage point higher in the parallel survey) was close to being statistically significant.

The new questionnaire had a relatively large effect on women's unemployment rate, which was 7.1 percent in the parallel survey compared with 6.5 percent based on the CPS. Unemployment in the parallel survey increased for both white women and black women. Among age groups, teenagers and workers 65 years and over had higher jobless rates in the parallel survey. The difference for the 25-to-34-year-old category was also statistically significant.

There are several differences between the old paper questionnaire and the revised automated questionnaire which could help to explain the higher unemployment rates obtained by the parallel survey. Part of the explanation is consistent with that given in the section on the employed. That is, the new questionnaire has a broader approach to both work and jobsearch activities, due at least in part to different messages communicated at the beginning of the survey. This could help to explain the higher unemployment rates among women, teenagers, and older workers, who are more likely to be looking for informal employment.

Also, older people in the new questionnaire who initially report that they are retired are asked, "Do you want a job either full or part time?" If they answer yes, they are asked the questions on jobsearch for potential classification as unemployed. The "part-time" reference may prompt some older workers to recall that they have looked for such a job.

Another part of the explanation for the differences relates to persons initially reported to be temporarily absent from jobs. It appears that a larger proportion of persons are reported as temporarily absent with the new questionnaire but are *not* classified as such because, when asked to provide a reason for their absence, they report they were "on layoff" or they cite "slack work/business conditions."

Such responses disqualify persons from being classified as employed and move them into the layoff/jobseeking question series.

A third part of the explanation is the direct question on layoff. Research has indicated that the former question on layoff was frequently misunderstood. The new direct question on layoff and a revised question on the reasons for absence produce a larger proportion of persons reported (but not classified) as on layoff in the parallel survey than in the CPS. When the criterion of expectation of recall is applied, nearly 60 percent of those initially reported to be on layoff are eliminated from this category. They are then routed to the series of questions on jobseeking, and, if they have an active jobsearch (which about half do), and are available to work, they will be counted among the unemployed.

It appears that, with the revised questions, a number of women are initially reported to be on layoff, although they had no expectation of recall. They do, however, meet the requirement of active jobsearch and thus were counted as unemployed. It is unknown how such persons would have responded to the previous questionnaire. The new questions, however, communicate a different message at the start of the interview which may be prompting more women to report a layoff status and an active jobsearch, resulting in a higher unemployment rate.

Characteristics of the employed

Multiple jobholding. About 6.2 percent of all employed people held two or more jobs during the fourth quarter of 1993, according to findings from the parallel survey.[6]

As a result of the redesign, information on multiple jobholding is available each month; previously, this information had been obtained only in periodic supplements to the CPS. While truly comparable data are not available from the regular CPS, the most recent supplement, conducted in May 1991, also showed a multiple jobholding rate of 6.2 percent.

Hours of work. Hours actually worked were somewhat lower as estimated in the parallel survey compared with the CPS. Mean (average) hours for workers in nonagricultural industries were 38.9 per week with the new questionnaire, compared with 39.4 using the former questionnaire. The pattern held for both adult men and adult women. (See table 3.)

These findings reflect several changes to the questionnaire which were made to obtain more accurate information on hours worked per week. A recall strategy was embedded in the series of questions, asking first about

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[6] Due to processing problems, data on multiple jobholding are not available for the first 9 months of 1993. The data presented here are October–December 1993 averages.

Table 3. Persons at work in nonagricultural industries by actual hours of work, sex, and age using 1980 census-based population estimates from the CPS and the parallel survey, 1993 annual averages

Hours of work, sex, and age	Thousands of persons			Percent distribution		
	CPS[1]	Parallel survey	Differ-ence[2]	CPS[1]	Parallel survey	Differ-ence[2]
TOTAL						
Total at work	110,488	111,225	737	100.0	100.0	–
1 to 34 hours	26,954	29,563	2,609	24.4	26.6	2.2
1 to 14 hours	5,130	6,066	936	4.6	5.5	.8
15 to 29 hours	13,410	14,475	1,065	12.1	13.0	.9
30 to 34 hours	8,414	9,021	608	7.6	8.1	.5
35 hours and over	83,535	81,663	-1,872	75.6	73.4	-2.2
35 to 39 hours	7,176	8,534	1,357	6.5	7.7	1.2
40 hours	42,523	38,717	-3,806	38.5	34.8	-3.7
41 to 48 hours	11,528	13,684	2,157	10.4	12.3	1.9
49 to 59 hours	13,004	12,158	-845	11.8	10.9	-.8
60 hours and over	9,304	8,570	-735	8.4	7.7	-.7
Average hours, total at work	39.4	38.9	-.6	–	–	–
Men, 20 years and over						
Total at work	57,032	57,014	-18	100.0	100.0	–
1 to 34 hours	8,531	9,422	891	15.0	16.5	1.6
1 to 14 hours	1,396	1,564	168	2.4	2.7	.3
15 to 29 hours	3,946	4,251	305	6.9	7.5	.5
30 to 34 hours	3,190	3,607	418	5.6	6.3	.7
35 hours and over	48,501	47,592	-909	85.0	83.5	-1.6
35 to 39 hours	2,488	3,104	616	4.4	5.4	1.1
40 hours	22,777	21,033	-1,743	39.9	36.9	-3.0
41 to 48 hours	6,980	8,387	1,408	12.2	14.7	2.5
49 to 59 hours	9,161	8,513	-648	16.1	14.9	-1.1
60 hours and over	7,096	6,554	-542	12.4	11.5	-.9
Average hours, total at work	43.1	42.7	-.4	–	–	–
Women, 20 years and over						
Total at work	48,308	48,956	648	100.0	100.0	–
1 to 34 hours	14,681	16,311	1,630	30.4	33.3	2.9
1 to 14 hours	2,537	3,259	722	5.3	6.7	1.4
15 to 29 hours	7,416	8,106	690	15.4	16.6	1.2
30 to 34 hours	4,728	4,945	217	9.8	10.1	.3
35 hours and over	33,627	32,645	-983	69.6	66.7	-2.9
35 to 39 hours	4,390	5,119	729	9.1	10.5	1.4
40 hours	18,977	16,959	-2,017	39.3	34.6	-4.6
41 to 48 hours	4,383	5,080	697	9.1	10.4	1.3
49 to 59 hours	3,731	3,540	-191	7.7	7.2	-.5
60 hours and over	2,146	1,947	-200	4.4	4.0	-.5
Average hours, total at work	36.8	36.0	-.8	–	–	–
Both sexes, 16 to 19 years						
Total at work	5,148	5,256	108	100.0	100.0	–
1 to 34 hours	3,741	3,829	88	72.7	72.9	.2
1 to 14 hours	1,197	1,243	46	23.3	23.7	.4
15 to 29 hours	2,048	2,117	69	39.8	40.3	.5
30 to 34 hours	496	469	-27	9.6	8.9	-.7
35 hours and over	1,407	1,426	20	27.3	27.1	-.2
35 to 39 hours	298	311	12	5.8	5.9	.1
40 hours	770	725	-45	15.0	13.8	-1.2
41 to 48 hours	165	217	52	3.2	4.1	.9
49 to 59 hours	112	105	-6	2.2	2.0	-.2
60 hours and over	62	69	7	1.2	1.3	.1
Average hours, total at work	24.3	24.3	.0	–	–	–

[1] These estimates differ slightly from previously published 1993 averages because of the estimation procedure used.

[2] These differences may not equal the results obtained from comparing the values shown in the table because of independent rounding.

usual hours, then about any time taken off and extra hours worked in the reference week, and finally about total hours actually worked. And, as described earlier, the questions related to employment were reworded to capture work activities more fully, especially informal, intermittent, and part-time work. The more complete measurement of this type of work could help to lower the average number of hours worked.

The parallel survey found a higher proportion of workers at the lower end of the hours spectrum. For example, nonagricultural workers who actually worked less than 15 hours in the reference week accounted for 5.5 percent of persons at work in the parallel survey, compared with 4.6 percent in the CPS. Those working between 15 and 29 hours in the reference week comprised 13.0 percent of persons at work in the parallel survey, compared with 12.1 percent in the CPS.

The proportion of workers reporting a workweek of exactly 40 hours was lower in the parallel survey than in the CPS. With the memory aids embedded into the new questions, workers are better able to recall exceptions to their usual schedule, resulting in less clustering at precisely 40 hours.

Part-time employment. Some of the most closely watched measures derived from the CPS pertain to part-time employment. The proportion of employed people who usually work part time (less than 35 hours per week) was larger in the parallel survey (17.0 percent) than in the CPS (16.3 percent). The difference in part-time employment was relatively largest for adult women. (See table 4.)

Part time for economic reasons. The proportion of employed persons working part time for economic reasons was substantially lower in the parallel survey. The differences were observed for all major demographic groups but were relatively larger for teenagers. Overall, the parallel survey found that 4.2 percent of employed persons were working part time for economic reasons, compared with an estimate of 5.3 percent from the CPS. In terms of numbers of people, this translates into 5.0 million people as measured by the parallel survey, compared with 6.3 million as measured by the CPS, a difference of 21 percent.

The smaller number and proportion of workers classified as part time for economic reasons in the parallel survey were observed among both those who usually work part time and those who usually work full time. Among those who usually work part time, the difference was more pronounced for adult women and teenagers. The decline among those who usually work full time did not differ significantly by demographic group.

The relatively large drop in the proportion of workers who usually work part time for economic reasons stems from two new criteria, formerly inferred, that are now explicit in the new questionnaire: Persons usually working part time are asked if they want to work full time and also if they were available to accept a full-time job during the reference week. (For persons who usually work full time, these criteria are assumed to be met.) The first criterion — desire for full-time work — had a particularly large impact in reducing the estimate of economic part-time workers, while the second — availability — disqualified relatively few people. To provide a context for respondents, the question asking why those who want to work full time were working part time was reworded to provide examples of both economic and noneconomic reasons for working part time.

The difference in the proportion of full-time workers (as defined by their usual status) who were part time for economic reasons in the reference week can be at least partially traced to several changes in the questionnaire. For example, the parallel survey contains separate questions for people who usually and actually worked part time, reducing the incidence of coding errors. Also to obtain more accurate coding, the labels of some of the noneconomic response categories were expanded. For example, "own illness" was changed to "own illness/injury/medical appointment," and "on vacation" was changed to "vacation/personal day."

Part time for noneconomic reasons. The proportion of employed persons who worked part time for noneconomic reasons was markedly higher in the parallel survey (21.4 percent) compared with the CPS (18.0 percent). All major demographic groups showed a similar pattern.

These workers can be divided into two types — either they usually work full time or usually work part time. It is not uncommon for workers who are usually full time to have worked part time in the reference week, having taken time off for reasons such as vacation, holiday, or illness. The higher proportion of these workers in the parallel survey — 7.3 percent of all employed people, compared with 5.3 percent in the CPS — reflects the more precise information regarding hours at work obtained from the recall strategy embedded in the new questions. It appears that the new questionnaire is indeed effective in prompting workers to remember exceptions to their usual schedule.

Most of the people who were part time for noneconomic reasons in the reference week usually work part time, often to give them more time for school, family, or other activities. The parallel survey also obtained a higher estimate of these workers — 14.1 versus 12.7 percent. This differential reflects in part the new questionnaire's more stringent requirements to be classified as economic part time.

Temporary absences. While most employed people are actually at work in the reference week, some are found to be temporarily absent from their jobs for the full week. The proportion of employed persons classified as temporarily absent in the parallel survey (4.5 percent) was lower than the proportion found in the CPS (5.0 percent). This pattern held true for all major demographic groups except teenagers.

Table 4. Employed persons by usual full- or part-time status, sex, and age using 1980 census-based population estimates from the CPS and the parallel survey, 1993 annual averages

Sex, age, and full- or part-time status	Thousands of persons			Percent distribution		
	CPS[1]	Parallel survey	Differ-ence[2]	CPS[1]	Parallel survey	Differ-ence[2]
TOTAL						
Total employed	119,389	119,606	217	100.0	100.0	–
At work	113,438	114,201	763	95.0	95.5	.5
35 hours or more	85,617	83,610	-2,007	71.7	69.9	-1.8
1 to 34 hours	27,821	30,591	2,770	23.3	25.6	2.3
Part time for economic reasons	6,325	5,028	-1,297	5.3	4.2	-1.1
Usually work full time	1,988	1,501	-487	1.7	1.3	-.4
Usually work part time	4,337	3,527	-810	3.6	2.9	-.7
Part time for noneconomic reasons ..	21,496	25,563	4,067	18.0	21.4	3.4
Usually work full time	6,325	8,674	2,349	5.3	7.3	2.0
Usually work part time	15,171	16,889	1,718	12.7	14.1	1.4
With a job but not at work	5,951	5,405	-546	5.0	4.5	-.5
Men, 20 years and over						
Total employed	61,884	61,284	-600	100.0	100.0	–
At work	59,198	59,065	-133	95.7	96.3	.6
35 hours or more	50,162	49,168	-994	81.1	80.2	-.8
1 to 34 hours	9,036	9,897	861	14.6	16.1	1.5
Part time for economic reasons	2,720	2,225	-495	4.4	3.6	-.8
Usually work full time	1,140	849	-291	1.8	1.4	-.5
Usually work part time	1,580	1,376	-204	2.6	2.2	-.3
Part time for noneconomic reasons ..	6,316	7,672	1,356	10.2	12.5	2.3
Usually work full time	3,006	4,187	1,181	4.9	6.8	2.0
Usually work part time	3,310	3,485	175	5.3	5.7	.3
With a job but not at work	2,686	2,218	-468	4.3	3.6	-.7
Women, 20 years and over						
Total employed	51,966	52,603	637	100.0	100.0	–
At work	48,885	49,643	758	94.1	94.4	.3
35 hours or more	33,967	32,957	-1,010	65.4	62.7	-2.7
1 to 34 hours	14,918	16,686	1,768	28.7	31.7	3.0
Part time for economic reasons	2,983	2,371	-612	5.7	4.5	-1.2
Usually work full time	744	574	-170	1.4	1.1	-.3
Usually work part time	2,239	1,797	-442	4.3	3.4	-.9
Part time for noneconomic reasons ..	11,935	14,315	2,380	23.0	27.2	4.2
Usually work full time	3,169	4,292	1,123	6.1	8.2	2.1
Usually work part time	8,766	10,023	1,257	16.9	19.1	2.2
With a job but not at work	3,082	2,960	-122	5.9	5.6	-.3
Both sexes, 16 to 19 years						
Total employed	5,540	5,719	179	100.0	100.0	–
At work	5,357	5,492	135	96.7	96.0	-.7
35 hours or more	1,488	1,485	-3	26.9	26.0	-.9
1 to 34 hours	3,869	4,007	138	69.8	70.0	.2
Part time for economic reasons	623	430	-193	11.2	7.5	-3.7
Usually work full time	104	77	-27	1.9	1.3	-.5
Usually work part time	519	353	-166	9.4	6.2	-3.2
Part time for noneconomic reasons ..	3,246	3,577	331	58.6	62.5	3.9
Usually work full time	150	195	45	2.7	3.4	.7
Usually work part time	3,096	3,382	286	55.9	59.1	3.2
With a job but not at work	183	227	44	3.3	4.0	.7

[1] These estimates differ slightly from previously published 1993 averages because of the estimation procedure used.

[2] These differences may not equal the results obtained from comparing the values shown in the table because of independent rounding.

The new questionnaire appears to result in more accurate classification of workers who are temporarily absent. This may reflect several changes — the elimination of the major-activity question, the inclusion of separate direct questions on temporary absence and on layoff, and the revamping of the question on the reason for absences. Regarding the major-activity question in the former questionnaire, some responses may have given interviewers the impression that those respondents had a job from which they were absent, when in fact they did not have a job at all. Also, the direct questions on layoff in the new questionnaire allow some people to be properly classified as unemployed or not in the labor force, rather than being erroneously counted as absent from a job.

To emphasize the important role played by the series of questions on temporary absence, it is estimated that most of the drop in men's employment level in the parallel survey was attributed to a lower estimate for persons temporarily absent. The other category of employed persons, those at work, was essentially the same for men on both surveys.

Class of worker. In the aggregate, the distribution of employed persons by their "class-of-worker" status differed little between the two surveys. Wage and salary workers comprised about 88 percent of all workers in both the CPS and the parallel survey. This classification is further broken down into private and government workers. Again, there were no significant differences between the surveys, with the private sector accounting for about 73 percent and the government sector accounting for about 15 percent of all employed persons. Nearly all of the remaining 12 percent were classified as self-employed on both surveys. (See table 5.)

Only a small fraction of all workers were classified as unpaid family workers in the CPS, and the proportion was even smaller in the parallel survey. This may seem surprising, given the changes to the questionnaire designed to identify workers in family businesses. In fact, the new questions were successful; however, many persons reported as working in family businesses were also found to have received pay or profit from the business and thus were classified as wage and salary workers. Even in agriculture, where unpaid family workers are far more prevalent than in most other industries, the new questions resulted in a smaller proportion of such workers. In sum, the redesign's efforts to more accurately identify workers in family businesses resulted in more wage and salary workers compared with the former procedures.

Looking at the class-of-worker data by gender, the new series of questions obtained quite different results for men and women. For men, the parallel survey had a higher proportion in wage and salary work and a smaller proportion in self-employment. For women, the findings were just the reverse — a higher proportion of self-employed and a lower proportion of wage and salary workers in the parallel survey. The level of self-employment among women was 4.8 million in the parallel survey, compared with 4.1 million in the CPS, which was equal to most of the increase in female employment in the parallel survey. Thus, the improved questions on work activity and the addition of questions on work in a family business resulted in more women being properly classified as self-employed.

Occupation and industry. The distribution of employed persons according to the occupation and industry of their job shifted somewhat under the new questionnaire. (See table 6.) For men, the parallel survey had a larger proportion employed in the managerial, professional, and technical categories, and a smaller proportion in sales occupations. The data suggest that the large decrease in the number of men who were employed but absent from their jobs in the parallel survey may have reduced their representation in occupations (such as sales) in which employment arrangements may be more tenuous.

Looking at the industry distributions for men, the parallel survey had a higher proportion in manufacturing and educational services and a smaller proportion in retail trade, mining, public administration, and private households. As a partial explanation of these differences, it is hypothesized that the classification of fewer men as temporarily absent from work as a result of the revised questionnaire reduces their representation in industries with more informal or irregular employment, such as trade and private households.

Among women, a higher proportion in the parallel survey were working in managerial and farming occupations. This is consistent with evidence presented earlier that the new questionnaire is measuring more women working in family businesses or farms and in their own businesses. A smaller proportion were in administrative support and private household positions.

The distribution by industry for women showed that only one industry, agriculture, had a higher proportion of workers in the parallel survey than in the CPS. (Evidence suggests that the former survey may have underestimated employment of women in agriculture by 25 percent.) Proportions as measured by the parallel survey were lower in public administration and private households.

Earnings. Median weekly earnings of full-time wage and salary workers were somewhat higher under the revised questionnaire ($462) than under the CPS ($450). The parallel survey found higher median earnings for men but no difference in earnings for women. Among part-time workers, total earnings and those for men were also slightly higher in the parallel survey. (See table 7.)

Both in the parallel survey and in the full CPS, estimates of earnings are based on data collected from one-quarter of the sample each month. It should be noted that due to the

Table 5. Employed persons by class of worker and sex using 1980 census-based population estimates from the CPS and the parallel survey, 1993 annual averages

Class of worker and sex	Thousands of persons			Percent distribution		
	CPS[1]	Parallel survey	Differ-ence[2]	CPS[1]	Parallel survey	Differ-ence[2]
TOTAL						
Total employed	119,389	119,606	217	100.0	100.0	–
Agriculture	3,080	3,175	95	2.6	2.7	.1
Wage and salary workers	1,488	1,487	-1	1.2	1.2	.0
Private industries	1,476	1,439	-37	1.2	1.2	.0
Government	12	48	36	([3])	([3])	–
Self-employed workers	1,488	1,632	144	1.2	1.4	.1
Incorporated	159	172	13	.1	.1	.0
Other	1,328	1,460	132	1.1	1.2	.1
Unpaid family workers	105	56	-49	.1	([3])	–
Nonagricultural industries	116,309	116,432	123	97.4	97.3	-.1
Wage and salary workers	103,703	103,897	194	86.9	86.9	.0
Private industries	85,194	85,835	641	71.4	71.8	.4
Government	18,509	18,062	-447	15.5	15.1	-.4
Self-employed workers	12,397	12,369	-28	10.4	10.3	.0
Incorporated	3,413	3,759	346	2.9	3.1	.3
Other	8,984	8,611	-373	7.5	7.2	-.3
Unpaid family workers	208	166	-42	.2	.1	.0
Men						
Total employed	64,727	64,200	-527	100.0	100.0	–
Agriculture	2,444	2,366	-78	3.8	3.7	-.1
Wage and salary workers	1,149	1,184	35	1.8	1.8	.1
Private industries	1,142	1,165	23	1.8	1.8	.1
Government	8	18	10	([3])	([3])	–
Self-employed workers	1,257	1,158	-99	1.9	1.8	-.1
Incorporated	132	113	-19	.2	.2	–
Other	1,125	1,045	-80	1.7	1.6	-.1
Unpaid family workers	37	24	-13	.1	([3])	–
Nonagricultural industries	62,284	61,835	-449	96.2	96.3	.1
Wage and salary workers	53,685	53,758	73	82.9	83.7	.8
Private industries	45,297	45,480	183	70.0	70.8	.9
Government	8,387	8,278	-109	13.0	12.9	-.1
Self-employed workers	8,554	8,022	-532	13.2	12.5	-.7
Incorporated	2,656	2,703	47	4.1	4.2	.1
Other	5,898	5,319	-579	9.1	8.3	-.8
Unpaid family workers	45	54	9	.1	.1	.0
Women						
Total employed	54,662	55,406	744	100.0	100.0	–
Agriculture	636	808	172	1.2	1.5	.3
Wage and salary workers	338	303	-35	.6	.5	-.1
Private industries	334	274	-60	.6	.5	-.1
Government	4	29	25	([3])	.1	–
Self-employed workers	231	474	243	.4	.9	.4
Incorporated	28	59	31	.1	.1	-.1
Other	203	415	212	.4	.7	.4
Unpaid family workers	67	31	-36	.1	.1	-.1
Nonagricultural industries	54,025	54,597	572	98.8	98.5	-.3
Wage and salary workers	50,019	50,139	120	91.5	90.5	-1.0
Private industries	39,897	40,355	458	73.0	72.8	-.2
Government	10,122	9,784	-338	18.5	17.7	-.9
Self-employed workers	3,844	4,347	503	7.0	7.8	.8
Incorporated	757	1,056	299	1.4	1.9	.5
Other	3,087	3,291	204	5.6	5.9	.3
Unpaid family workers	163	111	-52	.3	.2	-.1

[1] These estimates differ slightly from previously published 1993 averages because of the estimation procedure used.

[2] These differences may not equal the results obtained from comparing the values shown in the table because of independent rounding.

[3] Less than 0.05 percent.

Table 6. Employed persons by occupation, industry, and sex using 1980 census-based population estimates from the CPS and the parallel survey, 1993 annual averages

(Percent distribution)

Occupation and industry	Total			Men			Women		
	CPS[1]	Parallel survey	Differ-ence[2]	CPS[2]	Parallel survey	Differ-ence[2]	CPS[1]	Parallel survey	Differ-ence[2]
OCCUPATION									
Managerial and professional specialty	27.1	28.2	1.1	26.1	27.3	1.2	28.4	29.2	0.8
Executive, administrative, and managerial ...	12.9	13.6	.7	13.8	14.3	.5	11.9	12.8	.9
Professional specialty	14.2	14.6	.4	12.3	13.0	.7	16.5	16.4	.0
Technical, sales, and administrative support ...	30.8	30.5	-.3	20.5	20.3	.2	42.9	42.3	-.7
Technicians and related support	3.4	3.6	.2	3.1	3.5	.4	3.7	3.8	.1
Sales occupations	11.9	11.8	-.1	11.4	11.0	-.4	12.6	12.7	.2
Administrative support, including clerical	15.5	15.1	-.4	6.0	5.9	-.1	26.7	25.8	-.9
Service occupations......................	13.9	13.5	-.4	10.3	9.9	-.5	18.0	17.7	-.3
Private households	.8	.7	-.1	.1	.1	.0	1.6	1.4	-.2
Protective service	1.8	1.7	-.1	2.8	2.6	-.1	.7	.6	-.1
Service, except private households and protective service	11.3	11.2	-.1	7.5	7.2	-.3	15.8	15.7	.0
Precision production, craft, and repair	11.2	10.9	-.3	18.9	18.6	-.3	2.1	2.0	-.1
Operators, fabricators, and laborers	14.3	14.1	-.2	19.9	19.7	-.2	7.7	7.7	.0
Machine operators, assemblers, and inspectors	6.2	6.3	.1	7.0	7.1	.1	5.2	5.4	.2
Transportation and material moving occupations............................	4.2	4.0	-.2	7.0	6.8	-.2	.9	.7	-.1
Handlers, equipment cleaners, helpers, and laborers	3.9	3.8	-.1	5.8	5.7	-.1	1.5	1.5	-.1
Farming, forestry, and fishing	2.8	2.8	.0	4.4	4.3	-.1	.9	1.2	.2
INDUSTRY									
Agriculture	2.6	2.7	.1	3.8	3.7	-.1	1.2	1.5	.3
Mining	.6	.4	-.2	.9	.6	-.2	.2	.1	-.1
Construction	6.1	5.9	-.2	10.3	9.9	-.4	1.1	1.2	.1
Manufacturing...............................	16.4	17.3	.9	20.5	21.9	1.4	11.6	12.0	.4
Durable goods	9.5	10.1	.6	12.8	13.9	1.1	5.5	5.7	.2
Nondurable goods	6.9	7.2	.3	7.6	8.0	.4	6.0	6.2	.2
Transportation and public utilities	7.1	6.9	-.2	9.4	9.2	-.2	4.4	4.2	-.3
Wholesale and retail trade	20.7	20.5	-.2	20.4	19.8	-.5	21.2	21.3	.1
Wholesale trade	3.9	4.0	.1	5.1	5.2	.1	2.4	2.6	.2
Retail trade	16.9	16.5	-.3	15.3	14.7	-.6	18.8	18.7	-.1
Finance, insurance, and real estate	6.7	6.6	-.1	5.1	5.1	.0	8.5	8.4	-.1
Services	35.0	35.3	.3	24.7	25.0	.3	47.3	47.2	-.1
Private households	.9	.8	-.1	.2	.1	-.1	1.8	1.6	-.2
Other service industries	34.1	34.5	.4	24.5	24.9	.4	45.5	45.7	.2
Educational services	7.9	8.3	.3	4.7	5.2	.5	11.8	11.8	.0
Public administration	4.8	4.5	-.4	5.1	4.8	-.3	4.5	4.1	-.4

[1] These distributions differ slightly from previously published 1993 averages because of the estimation procedure used.

[2] These differences may not equal the results obtained from comparing the values shown in the table because of independent rounding.

extremely small sample on which earnings data from the parallel survey are based, these data are subject to even greater variability than other data from the parallel survey.

In the new questionnaire, respondents are asked to report their earnings in the time frame that is easiest for them, rather than forcing them to report a weekly amount as had been the case. Results from the parallel survey indicate that, when given a choice, only a relatively small proportion of respondents chose to report on a weekly basis.

The breakdown of respondents' preferences in reporting earnings was:

Hourly	38.4	percent
Annually	21.8	
Weekly	21.3	
Biweekly	7.4	
Monthly	6.4	
Twice a month	2.4	
Other	2.3	

For minimum wage studies, information is also collected on the number and wage rate of persons who are paid at hourly rates. In the revised questionnaire, individuals who choose to report their earnings on a basis other than hourly are asked directly whether they were paid at an hourly rate. If so, they are asked what their hourly rate of pay is. In the parallel survey, 61 percent of workers reported being paid by the hour, somewhat higher than the 59 percent reported in the CPS.[7]

Characteristics of the unemployed

The new questionnaire had a greater incidence of unemployment overall, with significantly higher rates for certain worker groups. This section explores the effect of the new procedures on selected characteristics of the unemployed, including persons on layoff, and reasons for and duration of unemployment.

On layoff. As described earlier, the series on workers on layoff was revamped to obtain more accurate information, particularly relating to the expectation of recall. As measured in the parallel survey, the percentage of the unemployed accounted for by persons on layoff was 12.8 percent, essentially the same as the 12.5 percent obtained from the CPS. (See table 8.)

The proportion of unemployed men who were on layoff was not statistically significant between surveys. On the other hand, the proportion of unemployed women who were on layoff was higher in the parallel survey compared with the CPS. For men, there appeared to have been several offsetting effects. In the parallel survey, people were asked a direct question — "LAST WEEK, were you on layoff from a job?" — and more were initially reported to be on layoff. But when the questions on expectations of recall were posed, some did not meet these criteria. As a result, the number of men on layoff ended up to be about the same under the old and new questionnaires.

For women, these offsetting effects are also present, but in addition it is suspected that other changes to the questionnaire, such as the elimination of the initial labor force question, the specificity of the work for pay question and the direct layoff question, prompted more women to report labor market activities. Greater reporting of such activities by women could contribute to the higher proportion of unemployed women on layoff in the parallel survey.

Those who are initially reported to be on layoff, but do not meet the expectation of recall, are asked the series of questions on jobsearch, and most are found to have looked for work within the prior 4-week period. If so, they are still counted as unemployed, but as "jobseekers," rather than persons on layoff.

Duration of unemployment. Measures of both mean and median duration were little different between the old and

new procedures. The mean duration in the parallel survey was 19.7 weeks, compared with 18.1 weeks in the CPS, and the median duration was 9 weeks, compared with 8 weeks.

Several changes were made to the unemployment duration measure, including one which allowed respondents to report duration in weeks, months, or years, as they prefer, rather than only in weeks, as in the former questionnaire. This change was designed to make it easier for the longer-term unemployed to report their length of jobsearch, and, in fact, the parallel survey obtained relatively more reports of longer-term joblessness.

Another change involved dependent interviewing. As mentioned in the section on computerization, duration of unemployment is automatically updated by either 4 or 5 weeks each month (depending on the number of weeks between surveys) as long as a person continues to be unemployed.

Reasons for unemployment. The unemployed are classified by their activity immediately prior to becoming unemployed. These "reasons for unemployment" include having lost a job (including persons on layoff), having left a job to seek a new one, or being either new entrants or reentrants to the labor force. Several changes to the questionnaire — both definitional and operational — resulted in differences in the way the unemployed are distributed among these categories.

There was a higher proportion of the unemployed counted as reentrants in the parallel survey (32.7 percent) compared with the CPS (24.6 percent) and a smaller proportion of new entrants (6.7 versus 10.2 percent). These estimates were affected by the increase in the overall number of unemployed, some of whom were coming from outside the labor force and increasing the ranks of reentrants. Also, the seemingly minor modification to the definition of entrants, which was broadened to take into account any type of job, and not just a full-time job of at least 2 weeks duration, affected the estimates of new entrants and reentrants.

Table 7. Median weekly earnings of full- and part-time wage and salary workers by sex using 1980 census-based population estimates from the CPS and the parallel survey, 1993 annual averages

(In current dollars)

Category	CPS[1]	Parallel survey	Difference
Full–time workers			
Total	$450	$462	$12
Men	509	529	20
Women	400	400	–
Part–time workers			
Total	130	133	3
Men	120	127	7
Women	136	135	-1

[7] These estimates pertaining to hourly paid workers are based on the average of the 6 months from September 1992 to February 1993.

[1] These estimates differ slightly from previously published 1993 averages because of the estimation procedures used.

Table 8. Unemployed persons by reason for and duration of unemployment using 1980 census-based population estimates from the CPS and the parallel survey, 1993 annual averages

Reason and duration	Thousands of persons			Percent distribution		
	CPS[1]	Parallel survey	Difference[2]	CPS[1]	Parallel survey	Difference[2]
REASON						
Total unemployed	8,714	9,358	644	100.0	100.0	—
Job losers	4,731	3,820	-911	54.3	40.8	-13.5
On layoff	1,091	1,202	111	12.5	12.8	.3
Other job losers	3,640	2,618	-1,022	41.8	28.0	-13.8
Persons who completed temporary jobs	([3])	985	([3])	([3])	10.5	([3])
Job leavers	949	861	-88	10.9	9.2	-1.7
Reentrants	2,143	3,064	921	24.6	32.7	8.1
New entrants	890	629	-261	10.2	6.7	-3.5
DURATION						
Less than 5 weeks	3,138	2,801	-337	36.0	29.9	-6.1
5 to 14 weeks	2,562	2,968	406	29.4	31.7	2.3
15 weeks and over	3,015	3,590	575	34.6	38.4	3.8
15 to 26 weeks	1,250	1,476	226	14.3	15.8	1.5
27 weeks and over	1,765	2,114	349	20.3	22.6	2.3
27 to 51 weeks	747	899	152	8.6	9.6	1.0
52 weeks and over	1,018	1,215	197	11.7	13.0	1.3
Average (mean) duration, in weeks	18.1	19.7	1.6	—	—	—
Median duration, in weeks	8.0	9.0	1.0	—	—	—

[1] These estimates differ slightly from previously published 1993 averages because of the estimation procedure used.

[2] These differences may not equal the results obtained from comparing the values shown in the table because of independent rounding.

[3] Not available.

"Completed temporary job" was added as a major reason for unemployment category, based on a revised question posed to jobseekers who were working before they started looking for work: "Did you lose or quit that job, or was it a temporary job that ended?" Under the old questionnaire, most people who became unemployed when their temporary job ended were classified as "job losers." Under the new procedures, persons who completed temporary jobs accounted for about 11 percent of all unemployed. The job loser proportion was lowered by close to this magnitude.

Other changes. As discussed in the section on major questionnaire changes, the distinction between active and passive jobsearch methods is a crucial one, and, in the new questionnaire, response categories were reordered and expanded for greater accuracy in classifying responses. Two passive methods — "looked at ads" and "attended job training programs/courses" — were added to the list, as was a category called "other passive." In the past, interviewers were instructed to code passive jobsearch methods as "nothing" and other active methods as "other," but there was evidence that some passive methods were being miscoded as "other." Also, it is quite possible that some active jobsearches were miscoded as "nothing."

The question on whether a person looked for a job during the last 4 weeks was reworded to convey a broader concept of jobsearch activity (see exhibit A), and followup questions were added to obtain a full accounting of the jobsearch methods used. The parallel survey yielded a somewhat higher proportion of individuals who gave passive reasons only — 4.4 versus 3.2 percent of everyone receiving the jobsearch question.

Labor force

The labor force participation rate, that is, the percentage of the population that is either employed or unemployed, was higher in the parallel survey than in the CPS. For all workers, the labor force participation rate using the new questions was 66.6 percent, compared with 66.2 percent in the CPS. (See tables 1 and 2.)

Women's participation rate was 59.1 percent in the parallel survey, compared with 57.9 percent in the CPS. Teenagers and older workers also had higher participation rates in the parallel survey than in the CPS. The labor force participation rate for men, however, was somewhat lower in the parallel survey — 74.8 versus 75.2 percent.

To explain the differences in participation rates among certain demographic groups, the arguments used to explain variations in employment and unemployment apply.

That is, the new questionnaire generally obtains more labor force activity, especially for those worker groups which have traditionally had more part-time or irregular participation.

Not in the labor force

Given the greater proportion of labor force participants in the parallel survey compared with the CPS, it follows that the percentage of the population that was out of the labor force was lower in the parallel survey, 33.4 percent compared with 33.8 percent. The "not in the labor force" group is large and diverse, including retirees, homemakers, students, the ill and disabled, and all others who are neither working nor looking for work.

Discouraged workers. Within the "all others" category is a group of particular interest—discouraged workers. These are people who want jobs but have not searched for work in the prior month because they believe there are no jobs to be found or none for which they could qualify.

As discussed in the section on definitional changes, the definition of discouraged workers was made more restrictive by requiring some search activity within the prior year and availability to work. These two new criteria, especially the former, contributed to a substantially reduced number of discouraged workers in the parallel survey compared with the CPS. (See table 9.)

Most, but not all, of the reduction in discouragement is due to the change in definition, but other changes in the questionnaire played a role also. Even when estimates based on the former definition were compared, the parallel survey estimates remained lower than those from the CPS.

Data on a larger group of persons outside the labor force, one that includes discouraged workers as well as persons who desire work but give other reasons for not searching (such as child-care problems, family responsibilities, school, or transportation problems) may also be relevant for analysis. This group is made up of persons who want a job, are available to work, and have looked for work within the past year. They constitute 2.1 percent of the not-in-the-labor-force group in the parallel survey. There is no comparable figure for the CPS, since the old questionnaire did not ask about recency of jobsearch for those not in the labor force.

Retired and disabled persons. One of the most frequent complaints from respondents and interviewers about the former questionnaire was the burden it placed on retired and disabled people, who every month were asked a series of questions on labor force activity which had no relevance to their situation. In the new questionnaire, several changes were made to address this problem. In the case of retirees 50 years and over, the first month they *volunteer* that they are retired they are skipped to a question asking whether they currently want a job (either full or part time). If they do not want a job, the interview is ended. In subse-

quent months, through dependent interviewing, they are asked if they did any work in the last week. If not, it is verified that they are still retired and do not want a job. Nearly all of the people who were identified as retired in previous months verify that they are still retired in the subsequent month.

Similar changes were made to reduce the burden for those who volunteer that they are disabled or unable to work. (The latter category is intended to cover people with a temporary illness or injury who might not perceive themselves as disabled, a term which may have a more permanent connotation.) Individuals who are reported as disabled or unable to work are asked a followup question to determine if they will be able to do any gainful work in the next 6 months. If they won't, the interview is ended. In subsequent months, they are asked if they worked in the prior week. If not, they are asked to simply verify their previous month's status as disabled or unable to work.

It is important to be aware of the fact that the "shortcut" offered to older survey participants did not reduce the count of older persons who are active in the labor market. On the contrary, the parallel survey obtained a larger labor force among the older population than did the CPS. As explained in the sections on employment and unemployment, the new questions appeared to capture more part-time and irregular work, as well as more jobsearch for these types of work, resulting in higher estimates of labor force activity for several groups, including older workers.

It should also be noted that the response categories of retired and disabled were intended merely to reduce the burden of participating in the survey, not to provide a complete count of retired or disabled persons. Such classi-

Table 9. Discouraged workers by sex and age using 1980 census-based population estimates from the CPS and the parallel survey, 1993 annual averages

(In thousands)

Category	CPS[1]	Parallel survey	Difference[2]
Not in labor force, total	65,447	64,585	-862
Discouraged workers:			
Total	1,127	424	-703
Men	523	221	-302
Women	604	204	-400
16 to 24 years	222	114	-108
Men	120	67	-53
Women	102	47	-55
25 years and over	905	311	-594
Men	404	154	-250
Women	502	157	-345

[1] These estimates differ slightly from previously published 1993 averages because of the estimation procedure used.
[2] These differences may not equal the results obtained from comparing the values shown in the table because of independent rounding.

fications in the survey depend strictly on individuals' volunteering the information. No attempt is made to determine if those who say they are retired ever worked at a paying job or met any other specific criteria. Moreover, persons active in the labor force market who are also retired from previous careers or disabled are classified as employed or unemployed rather than as not in the labor force (retired or disabled).

Historical Comparability

The new questionnaire and mode of data collection will result in changes for most estimates. Examination of the parallel survey data has helped quantify the magnitude of these differences and identify their possible causes. BLS will not, however, use the parallel survey data to reissue official estimates. Instead, BLS will provide estimates and suggestions in the form of research series and publications, in order to aid individuals who examine CPS data historically.

Some of the techniques being investigated for use in the construction of historical research series include the imposition of old definitions on the data collected beginning in January 1994, construction of new definitions with data collected prior to January 1994, the use of measurement error models to explore the structural relationship between the CPS and the parallel survey data in order to predict what the CPS estimates would have been had the new procedures been used prior to January 1994, the exploration of geographic variation to gain insight into the effects of the new questionnaire and procedures at different levels of unemployment, and the tracking of the CPS and parallel survey data with other concurrent measures of economic activity.

Considerable analysis of the aggregate unemployment rate has already been completed and is available from BLS upon request. Work on other labor market series will be coming out over the next 12 to 18 months.[8]

Also for comparability, BLS and the Bureau of the Census will, for a period, continue to conduct the "old CPS"—that is, with the old questionnaire and paper and pencil procedure, using the 12,000 household sample in the 1992–93 parallel survey. Current plans call for data from this second parallel survey to be made available in July 1994 after the effects of switching respondents and interviewers from the automated survey to the paper survey have been investigated. It is important for data users and the public to know that data from the second parallel survey are being collected for the purposes of historical comparisons only. The official unemployment rate estimates will continue to be derived from the 60,000 household sample that, as of January 1994, is administered with the new automated questionnaire. Given its small sample size, estimates from the second parallel survey will have a great deal of variability and thus reduced reliability. Specifically, the standard error on a 3-month national unemployment rate from the 12,000 household second parallel survey will be more than twice as large as the standard error from the 60,000 household sample. To put this in perspective, data from the second parallel survey would have to be aggregated together for more than a year to obtain a level of variability as small as that obtained for 1 month of CPS data collected from the 60,000 household sample.

Introduction of 1990 Census-Based Population Controls

Derivation of 1990 census-based population controls, with adjustment for net census undercoverage

Beginning with the CPS estimates for January 1994, the independent national population controls used for the age-sex-race groups in the second-stage estimation procedure are being prepared by projecting forward the resident population as enumerated on April 1, 1990. Also, for the first time, estimates of the decennial census undercount, obtained from the Post Enumeration Survey (PES), are being added to the population controls.

Current month CPS estimates of the population are adjusted to agree with independent population controls. These controls are developed from a variety of sources, as described below. In the second-stage estimation procedure, the CPS sample weights are adjusted to ensure that sample-based estimates of population match the independent controls. The CPS population estimates are consistent with three sets of controls for:

1) 50 States and the District of Columbia

2) 14 Hispanic and 5 non-Hispanic age-sex groups

3) 66 white, 42 black, and 10 other race-age-sex groups

The first set of controls is restricted to the civilian noninstitutional population (16 years and over) and the remaining controls are developed for the civilian noninstitutional population plus noninstitutionalized children 15 years and under.

Since the population controls are derived primarily from non-survey data, they are assumed to contain no sampling error and thus do not contribute to the variance of the survey estimates. The second-stage ratio adjustment reduces the variability of those CPS estimates which are

[8] For preliminary findings from this research, see two BLS Technical Reports: "What Would the Unemployment Rate Have Been Had the Redesigned Current Population Survey Been in Place From September 1992 to December 1993?: A Measurement Error Analysis," by Stephen M. Miller (Telephone 202-606-7379); and "Predicting the National Unemployment Rate That the 'Old' CPS Would Have Produced," by Richard Tiller (Telephone 202-606-6370).

correlated with the population — particularly estimates of employment and civilian labor force. At the same time, the adjustment partially corrects for CPS undercoverage of certain demographic groups, most notably Hispanics.

The 1990-based independent population controls are aggregates of more detailed population projections and are developed in a manner similar to earlier controls. Decennial census data and a variety of administrative and survey information are used to "age forward" estimates of the population to the current month, adjust for births and deaths, account for net migration, and then subtract the counts of Armed Forces and institutionalized persons. The population figures derived in this manner are projections based on administrative estimates, in contrast to the survey-based estimates of population obtained from the CPS. A description of the method used to make the 1990-based projections is given here.

The base figures for the resident population are derived from the 1990 decennial census, which has an official reference date of April 1, 1990. (The resident population includes all persons living in the United States, regardless of age, institutional status, or Armed Forces membership.) The age distribution is modified to correct for lags between the census date and the actual date of interview. The race distribution is modified to be consistent with OMB Directive 15, which stipulates that persons of unspecified race, mostly persons of Hispanic origin, are allocated to one of four race categories (white; black; American Indian, Eskimo, and Aleut; Asian and Pacific Islander). As a result of these changes, the base figures differ in age and race distribution from figures published by the Bureau of the Census in decennial census reports. For details, see *U.S. Bureau of the Census, Publication CPH-L-74, Age, Sex, Race, and Hispanic Origin Information from the 1990 Census: a Comparison of Census Results with Results where Age and Race have been Modified*. The Bureau of the Census also develops estimates of the April 1, 1990 population, independent of the 1990 census, using methods of demographic analysis. These estimates are also used in developing the population controls for CPS.

A myriad of data sources are tapped to measure postcensal change in the resident population due to births, deaths, and net migration. The National Center for Health Statistics (NCHS) provides the Census Bureau with data on births by sex, race, and Hispanic origin, although data for the latest month must be projected. Deaths by age, sex, and race are also obtained from NCHS, although the latest 6 months must be projected from a life table based on NCHS and Social Security Administration data. (The entire series of deaths for the Hispanic-origin population is projected.) Data on legal international immigration are obtained from the Immigration and Naturalization Service, the Office of Refugee Resettlement, and the Puerto Rican Planning Board (mostly projected between the latest July 1 to the current month, although preliminary data

are used to track refugee movements). Estimates of net undocumented immigration and permanent emigration of legal United States residents are modeled using the 1980 census and data from surveys and earlier censuses. The net movement of United States citizens from overseas to the United States is estimated based on data provided by the Department of Defense and the Office of Personnel Management (for military and civilian Federal Government personnel and their dependents). Other net migration is assumed to be zero (e.g., movement of foreign students and civilians not affiliated with the Federal Government). Most of the data are characterized as administrative, although some data for recent months must be projected. Thus, while the data are not subject to sampling error, they may contain nonsampling errors and bias.

The "inflation-deflation" method uses data from all these sources to generate the current month's national (not State) projections of the resident population by age, sex, race, and ethnicity. The inflation-deflation method is a variant of the standard cohort-component method in which a population is aged forward a number of years taking into account births, deaths, and net migration by age. The cohort-component method is improved by factoring in estimates of the decennial census undercount, using the method of inflation-deflation.

The basic procedure may be described as follows. For each age-race-sex cell, the 1990 census population count is divided by the corresponding estimate of the resident population made by demographic analysis. The resulting inflation-deflation factors are estimates of census coverage rates. The factors are assumed to be time-invariant and associated with a specific age range. At the April 1 census date, the reciprocals of the factors are viewed as inflating the census figures up to the demographic analysis figures (although these are not always larger). The demographic analysis population estimate is aged forward to the current time. Estimates of births and net migration are added to each aged demographic analysis cell value, and estimates of deaths are subtracted. Each cell value is then multiplied by the inflation-deflation factor of its new age to deflate the value. While not correcting for net census undercount (which is both added and subtracted), the inflation-deflation procedure preserves the age pattern of the undercount. For more information on data sources and methods, see *Current Population Reports*, Series P-25, Reports 1045 and 1095, U.S. Bureau of the Census.

Let us consider an example. The 1990 factor of approximately 0.98 for white male 13-year-olds represents a 2-percent undercount in the census; the factor of 1.02 for white male 17-year-olds represents an overcount of 2 percent. The demographic analysis population estimate is aged forward to the current time. Each aged demographic analysis cell value is adjusted for births, deaths, and migration. Each cell value is then multiplied by the inflation–deflation factor for its new age to deflate the cell value to corre-

spond to the decennial census base. If the current reference date is April 1994, the 13-year-old white male cell value for the census is inflated by dividing by 0.98 and aged forward to 17 years of age. Deaths are subtracted, and net migration figures are added. The cell value is then multiplied by the 1.02 factor for the 17-year-old group, effectively giving the new cell estimate a census overcount of 2 percent.

To obtain the civilian noninstitutional population, which is the universe for the CPS, the resident population estimates for those 16 years of age and over are reduced by subtracting both Armed Forces personnel residing in the United States and civilians living in institutions. The number of resident Armed Forces personnel is estimated using data from the Department of Defense. The 1990 demographic census data on the institutional population are updated annually through a canvass of group quarters facilities. The estimates of the resident population for those under 16 years of age are also reduced by subtracting the institutional population.

As a last step, corrections for net census undercount are applied. The level of the 1990 decennial census undercount is calculated from the PES by sex-race-ethnicity for each year of age. The level of undercount is assumed to be invariant over time, and a matrix of undercounts is added to the population projections. The overall level of the projections is raised by the addition of this constant matrix, but month-to-month changes in the population are unaffected. See U.S. Bureau of the Census, *Assessment of Accuracy of Adjusted versus Unadjusted 1990 Census Base for use in Intercensal Estimates: Report of the Committee on Adjustment of Postcensal Estimates*. The undercount adjusted projections are aggregated to obtain the national age-sex-ethnicity and age-sex-race population controls used in second-stage ratio adjustment.

State projections of the civilian noninstitutional population age 16 and over are developed using similar procedures. Population estimates for States are produced by age and sex only (not race or Hispanic origin), and only the 16 and over totals are used in computing independent controls. Information from tax returns is used to estimate migration between States. For each State, the population 16 years and over is calculated for each July. The two most recent July figures give the latest estimate of year-to-year change. For the current month, a straight-line extrapolation of the change is made, with a new base series for the projection instituted each January. Counts of resident Armed Forces and the institutional population 16 years and older are subtracted to yield the civilian noninstitutional population. A pro rata adjustment ensures the additivity of the State projections to the projection for the national civilian noninstitutional population. For more information, see *Current Population Reports*, Series P-25, Reports 957 and 1010, Bureau of the Census.

Effect of 1990 census-based population controls on national estimates

CPS estimates of major labor force characteristics for the annual average of 1993, using both the 1980 census-based and adjusted 1990 census-based population controls, are presented in table 10. An undercount adjustment, based on results from the Census Bureau's Post Enumeration Survey (PES), is applied to the 1990-based controls. These averages are based on monthly CPS estimates using the final weights computed after second-stage estimation, which are neither composited nor seasonally adjusted. Under the new controls, the annual average estimate of the civilian noninstitutional population 16 years of age and over increased by about 1.3 million or 0.7 percent; the civilian labor force increased by about 1.1 million or 0.9 percent; and the level of unemployed increased by 0.2 million or 2.3 percent. The estimated totals using the 1990 population controls are considered to be more accurate, since these controls are projected from the April 1990 decennial census estimates and adjusted for undercount, whereas the 1980-based controls are projected from the 1980 decennial census estimates.

Under the new controls, the estimate of the annual average unemployment rate increased by 0.1 percentage point, primarily because of the large upward population adjustment for Hispanics (see below), who have an unemployment rate higher than the overall labor force. The labor force participation rate increased by 0.2 percentage point; and the employment-population ratio increased by 0.1 percentage point.

Levels increased for the civilian noninstitutional population and all labor force categories in all demographic groups shown in table 10. The most notable increases occurred for Hispanics. The change from the 1980- to 1990-based estimates of the population for this group was approximately 11 percent, with similar percentage increases in employed and unemployed levels. The difference between the 1980- and 1990-based estimates of the unemployment rate for all groups, except teenagers, was near the national average of 0.1 percentage point; for teenagers, there was negligible change in the unemployment rate.

Differences in labor force participation rates for adult men, blacks, and Hispanics were above the national average of 0.2 percentage point, while the differences for adult women, teenagers, and whites were below the national average. Differences in employment-population ratios also exceeded the national average of 0.1 percentage point for adult men, blacks, and Hispanics, while there were virtually no differences for adult women, teenagers, and whites.

Total effects due to changes in methods and population controls

Differences in labor force estimates using the old and

new questionnaires and data collection procedures were presented in the section on the redesign. These differences were calculated from 1993 annual average CPS and parallel survey estimates based on 1980 population controls and represent changes that can be attributed to the redesign. Changes in 1993 CPS estimates attributed to the new population controls were discussed in the previous section. This section presents a brief discussion of the combined effects of the new questionnaire and controls by comparing labor force estimates from the 1993 CPS, adjusted to 1980-based controls, with estimates from the parallel survey, adjusted to 1990-based controls.

Table 10 shows annual average estimates of major labor force characteristics for the 1993 CPS (1980-based) and the parallel survey (1990-based) and the differences between these estimates. The effects from the new methods and population controls are essentially additive. For example, the estimate of civilian labor force increased by 2 million; an increase of 1.1 million is due to the new population controls as reported in the previous section, and the remainder (0.9 million) is attributed to the survey redesign. Similarly, estimated total employment increased by 1.1 million under the new methods and population controls. Of this amount, about 0.9 million is due to the new controls and 0.2 million is contributed by the new questionnaire. Total unemployment increased by 0.9 million, of which 0.7 million is attributed to the redesign and 0.2 million is due to the new population controls.

The sum due to the population controls and the redesign may not equal the total effect in table 10, primarily because the new population controls affect CPS and parallel survey estimates differently. For example, the parallel survey yields a larger estimate of the number of unemployed; consequently, the effect due to the population controls would be slightly larger for that survey estimate. In addition, there are minor differences in the CPS and parallel survey second-stage estimation algorithms.

The breakdown of the total effect on various rates and ratios is given in table 11. The increase in the annual average unemployment rate is 0.6 percentage point; since the difference due to population controls is 0.1 percentage point, the contribution from the redesign is 0.5 percentage point. The labor force participation rate increased by a total of 0.6 percentage point, with 0.2 percentage point due to population controls. The total change in the employment-population ratio is 0.2 percentage point. The change attributed to the redesign is about half this amount, or 0.1 percentage point. Note that the total effect is not always the sum of two positive effects. For example, the total effect for adult men's employment-population ratio is -0.4 percentage point. The effect from population controls is 0.3 percentage point, and the questionnaire effect is -0.7 percentage point.

Table 11 also shows that for the unemployment rate the effects from new population controls are about 0.1 percentage point for all demographic groups except teenagers. The total effects vary from 0.3 percentage point for adult men to 1.6 percentage points for teenagers. The effects from population controls are fairly stable over time so the annual average is similar to the population control effect for a given month; however, as the redesign effects vary from month to month, especially for Hispanics and teenagers, the annual average redesign effect may not be a good indicator of difference for a single month.

The total change for labor force participation rates in table 11 varies from -0.2 percentage point for adult men to 2.3 percentage points for teenagers and Hispanics. The effect due to population controls is largest for blacks. For the employment-population ratio, the total changes are larger for teenagers (about 1 percentage point, all attributed to the redesign) and Hispanics (0.8 percentage point from the redesign and 0.3 percentage point due to population controls). Again, the estimates of the redesign effects for teenagers and Hispanics have a high degree of month-to-month variability, primarily due to small sample sizes. For adult men and blacks, the total effect on the employment-population ratio is a decline of about one-half of one percentage point.

Effect on State and Area Estimates

Beginning with estimates for January 1994, State and area labor market statistics produced by BLS in cooperation with State Employment Security Agencies also reflect a number of important changes. Consistent with changes affecting the national data, these include:

- implementation of the CPS redesign, and

- introduction of 1990 census-based population controls (adjusted for the estimated population undercount).

In addition, the State and area labor market estimates are affected by:

- improved time-series models for the smaller States, and

- incorporation of selected 1990 census data in the geographic definition of labor market areas and in local area labor force estimation.

Each of these topics will be explained in a detailed article which will appear in the March 1994 issue of this publication.

Further Information

Additional information is available on all of the subjects covered in this article. Requests should be sent to: U.S. Bureau of Labor Statistics, Room 4675, 2 Massachusetts Avenue NE., Washington, DC 20212-0001. The telephone number is (202) 606-6378; Fax (202) 606-6426.

Table 10. Total effect of the adjusted 1990 census-based population controls and the redesign on selected labor force groups, 1993 annual averages

(Numbers in thousands)

Employment status and group	CPS		Parallel survey		Effect[2]		
	1980 census-based[1]	Adjusted 1990 census-based	1980 census-based	Adjusted 1990 census-based	Total (4-1)	Population controls (2-1)	Redesign (3-1)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
TOTAL							
Civilian noninstitutional population	193,550	194,805	193,550	194,805	1,255	1.255	0
Civilian labor force	128,103	129,240	128,965	130,103	2,000	1,137	862
Percent of population	66.2	66.3	66.6	66.8	.6	.2	.4
Employed	119,389	120,323	119,606	120,511	1,112	934	217
Employment-population ratio	61.7	61.8	61.8	61.9	.2	.1	.1
Unemployed	8,714	8,917	9,359	9,592	878	203	645
Unemployment rate	6.8	6.9	7.3	7.4	.6	.1	.5
Men, 20 years and over							
Civilian noninstitutional population	85,906	86,290	85,850	86,236	329	384	-56
Civilian labor force	66,077	66,680	65,599	66,197	120	604	-478
Percent of population	76.9	77.3	76.4	76.8	-.2	.4	-.5
Employed	61,884	62,402	61,283	61,786	-97	519	-601
Employment-population ratio	72.0	72.3	71.4	71.7	-.4	.3	-.6
Unemployed	4,193	4,278	4,316	4,410	218	85	123
Unemployment rate	6.4	6.4	6.6	6.7	.3	.1	.2
Women, 20 years and over							
Civilian noninstitutional population	94,389	94,598	94,361	94,590	201	209	-28
Civilian labor force	55,184	55,379	56,162	56,363	1,178	195	978
Percent of population	58.5	58.5	59.5	59.6	1.1	.1	1.0
Employed	51,966	52,110	52,604	52,735	769	144	638
Employment-population ratio	55.1	55.1	55.8	55.8	.7	.0	.7
Unemployed	3,218	3,270	3,559	3,627	409	51	340
Unemployment rate	5.8	5.9	6.3	6.4	.6	.1	.5
Both sexes, 16 to 19 years							
Civilian noninstitutional population	13,254	13,916	13,338	13,979	725	662	84
Civilian labor force	6,842	7,180	7,203	7,543	701	338	361
Percent of population	51.6	51.6	54.0	54.0	·2.3	.0	2.4
Employed	5,540	5,812	5,719	5,989	449	272	179
Employment-population ratio	41.8	41.8	42.9	42.8	1.1	.0	1.1
Unemployed	1,302	1,369	1,485	1,554	252	66	182
Unemployment rate	19.0	19.1	20.6	20.6	1.6	.0	1.6
White							
Civilian noninstitutional population	163,921	164,268	163,921	164,268	347	347	0
Civilian labor force	109,407	109,736	110,209	110,550	1,143	329	802
Percent of population	66.7	66.8	67.2	67.3	.6	.1	.5
Employed	102,891	103,114	103,267	103,482	592	223	376
Employment-population ratio	62.8	62.8	63.0	63.0	.2	.0	.2
Unemployed	6,516	6,622	6,942	7,067	551	106	426
Unemployment rate	6.0	6.0	6.3	6.4	.4	.1	.3
Black							
Civilian noninstitutional population	22,329	22,505	22,329	22,505	176	176	0
Civilian labor force	13,957	14,224	13,908	14,171	214	267	-49
Percent of population	62.5	63.2	62.3	63.0	.5	.7	-.2
Employed	12,148	12,370	11,923	12,133	-14	222	·225
Employment-population ratio	54.4	55.0	53.4	53.9	-.5	.6	-1.0
Unemployed	1,809	1,855	1,985	2,038	229	45	176
Unemployment rate	13.0	13.0	14.3	14.4	1.4	.1	1.3

Table 10. Total effect of the adjusted 1990 census-based population controls and the redesign on selected labor force groups, 1993 annual averages—Continued

(Numbers in thousands)

Employment status and group	CPS		Parallel survey		Effect[2]		
	1980 census-based[1] (1)	Adjusted 1990 census-based (2)	1980 census-based (3)	Adjusted 1990 census-based (4)	Total (4-1) (5)	Population controls (2-1) (6)	Redesign (3-1) (7)
Hispanic origin							
Civilian noninstitutional population	15,753	17,505	15,753	17,505	1,752	1,752	0
Civilian labor force	10,385	11,611	10,666	11,933	1,548	1,226	281
Percent of population	65.9	66.3	67.7	68.2	2.3	.4	1.8
Employed	9,285	10,370	9,412	10,528	1,243	1,085	127
Employment-population ratio	58.9	59.2	59.7	60.1	1.2	.3	.8
Unemployed	1,100	1,241	1,254	1,405	305	141	155
Unemployment rate	10.6	10.7	11.8	11.8	1.2	.1	1.2

[1] These estimates differ slightly from previously published 1993 averages because of the estimation procedure used.

[2] Changes in column 5 minus those in column 6 do not necessarily equal those in column 7 primarily because the population controls affected the CPS and the parallel survey estimates differently. Moreover, population estimates obtained from the two surveys do not always agree due to slight differences in estimating procedures.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

Table 11. Total effect of adjusted 1990 census-based population controls and the redesign on selected labor force ratios and rates, 1993 annual averages.
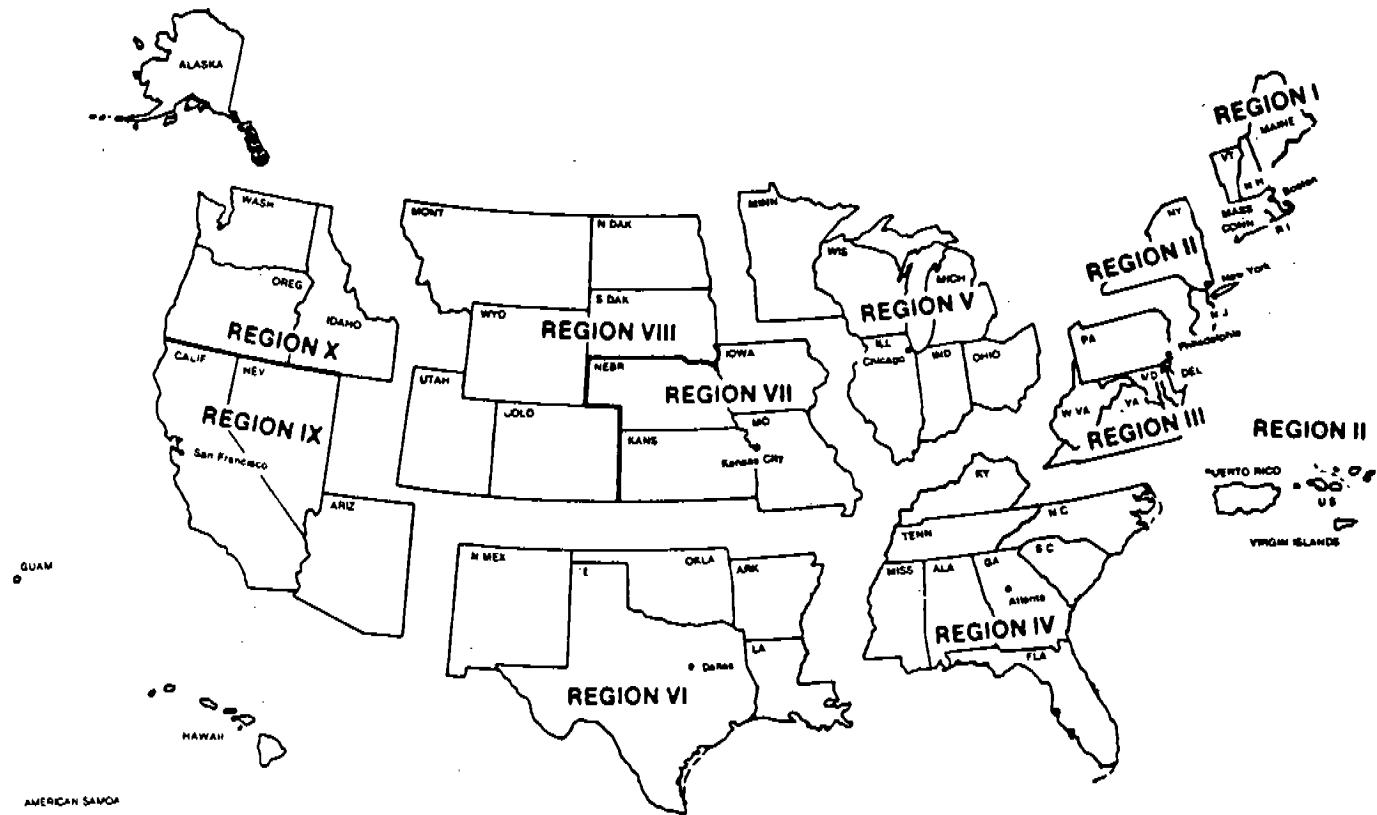
(Percent)

Category	CPS 1980 census-based[1]	Parallel survey, adjusted 1990 census-based	Effect[2]		
			Total	Population controls	Redesign
Labor force participation rates					
Total, 16 years and over	66.2	66.8	0.6	0.2	0.4
Men, 20 years and over	76.9	76.8	-.2	.4	-.5
Women, 20 years and over	58.5	59.6	1.1	.1	1.1
Both sexes, 16 to 19 years....................	51.6	54.0	2.3	.0	2.4
White......................................	66.7	67.3	.6	.1	.5
Black......................................	62.5	63.0	.5	.7	-.2
Hispanic origin	65.9	68.2	2.3	.4	1.8
Employment-population ratios					
Total, 16 years and over	61.7	61.9	.2	.1	.1
Men, 20 years and over	72.0	71.7	-.4	.3	-.7
Women, 20 years and over	55.1	55.8	.7	.0	.7
Both sexes, 16 to 19 years....................	41.8	42.8	1.1	.0	1.1
White......................................	62.8	63.0	.2	.0	.2
Black......................................	54.4	53.9	-.5	.6	-1.0
Hispanic origin	58.9	60.1	1.2	.3	.8
Unemployment rates					
Total, 16 years and over	6.8	7.4	.6	.1	.5
Men, 20 years and over	6.4	6.7	.3	.1	.2
Women, 20 years and over	5.8	6.4	.6	.1	.5
Both sexes, 16 to 19 years....................	19.0	20.6	1.6	.0	1.6
White......................................	6.0	6.4	.4	.1	.3
Black......................................	13.0	14.4	1.4	.1	1.3
Hispanic origin	10.6	11.8	1.2	.1	1.2

[1] These estimates differ slightly from previously published 1993 averages because of the estimation procedure used.

[2] The sum of the difference due to population controls and the redesign may not equal the total difference primarily due to rounding.

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ATTACHMENT 6

HOW TO USE THE RECORD LAYOUT

Data users familiar with the CPS data files in prior years will see many similarities between the format of this file and those files released before January 1994. As in the past, there are numeric locations on the file which correspond to each variable. There is only one record layout which contains the variables for children, adults, and armed forces members. In prior years, each type of person had a separate record layout. Attachment 7 contains the differences between the variables on this file and similar variables found in files before 1994.

Item Naming Conventions

◆   The first character of each variable name is one of the following:

    H -   Household item
    G -   Geography item
  *P -   Person item (includes adult items, child items, and armed forces items)

    *   There is no need to distinguish adult, child, and armed forces items in the variable names in the new system. The recode **PRPERTYP** (located in positions 161-162) tells you what category the person is in.

◆   The second character of each variable name is one of the following:

    E -   Edited item
    U -   Unedited item
    X -   Allocation flag (see Appendix 17 for more information)
    W -   Weight
    R -   Recode

◆   The remaining characters describe the variable.

◆   For multiple entry items, the file contains a separate variable for each possible response. Each item has the same descriptive name but a number is added as the last digit. For example, Question 22A allows separate entries for up to 6 job search methods. The item names are **PELKM1** (this item is edited), **PULKM2**, (this item is unedited), **PULKM3**, etc. These items are located in positions 296-307 of the record layout.

ATTACHMENT 7

CHANGES IN THE RECORD LAYOUT SINCE 1993

Current Population Survey

Due to the redesign of CPS, the Bureau of the Census had to rewrite the processing system. In doing so, we attempted to create a number of recodes that provide consistent labor force data between the pre- and post-January 1994 public use files. In this section, we present a comparison between the basic labor force and demographic data from the two systems and what steps, if any, are needed to make the data sets comparable. Wherever possible, we developed recodes in the new system that allow a high degree of equivalence in definition between the two systems. Recodes dealing with the primary labor force characteristics generally have the same universes. Any differences are noted on the following pages. The same is not true of most labor force items. Items that contain a high degree of equivalence are listed below. Many new questionnaire items are asked of restricted universes (allowing better question design), however, and have no direct equivalence with previous data.

PRIMARY LABOR FORCE STATUS RECODE

A-LFSR — LOCATION 198

1 = WORKING
2 = WITH JOB, NOT AT WORK
3 = UNEMPLOYED, LOOKING FOR WORK
4 = UNEMPLOYED, ON LAYOFF
5 = NILF - WORKING W/O PAY <15 HRS; TEMP ABSENT FROM W/O PAY JOB
6 = NILF - UNAVAILABLE
7 = OTHER NILF

PEMLR — LOCATION 180

1 EMPLOYED - AT WORK
2 EMPLOYED - ABSENT
3 UNEMPLOYED - ON LAYOFF
4 UNEMPLOYED - LOOKING
5 NOT IN LABOR FORCE - RETIRED
6 NOT IN LABOR FORCE - DISABLED
7 NOT IN LABOR FORCE - OTHER

COMMENTS: NOTE THAT THE UNEMPLOYED CODES ARE REVERSED. ALSO, THE NOT IN LABOR FORCE CODES ARE DEFINED DIFFERENTLY.

REASON FOR UNEMPLOYMENT

A-UNTYPE — LOCATION 199

1 = JOB LOSER - ON LAYOFF
2 = OTHER JOB LOSER
3 = JOB LEAVER
4 = RE-ENTRANT
5 = NEW ENTRANT

PRUNTYPE — LOCATION 412

1 JOB LOSER/ON LAYOFF
2 OTHER JOB LOSER
3 TEMPORARY JOB ENDED
4 JOB LEAVER
5 RE-ENTRANT
6 NEW ENTRANT

COMMENTS: CODES 2 AND 3 ARE EQUIVALENT TO OLD CODE 2. NEW CODES 4-6 ARE EQUIVALENT TO OLD CODES 3-5 RESPECTIVELY.

FULL/PART TIME STATUS

A-WKSTAT — LOCATION 202

1 = NOT IN LABOR FORCE
2 = FULL-TIME SCHEDULES
3 = PART-TIME FOR ECONOMIC REASONS, USUALLY F/T
4 = PART-TIME FOR NON-ECONOMIC REASONS, USUALLY P/T
5 = PART-TIME FOR ECONOMIC REASONS, USUALLY P/T
6 = UNEMPLOYED F/T
7 = UNEMPLOYED P/T

PRWKSTAT — LOCATION 416

1 NOT IN LABOR FORCE
2 FT HOURS (35+), USUALLY FT
3 PT FOR ECONOMIC REASONS, USUALLY FT
4 PT FOR NON-ECONOMIC REASONS, USUALLY FT
5 NOT AT WORK, USUALLY FT
6 PT HRS, USUALLY PT FOR ECONOMIC REASONS
7 PT HRS, USUALLY PT FOR NON-ECONOMIC

COMMENTS: CODE EQUIVALENCIES

OLD	NEW
1	1
2	2,4,5,8,9
3	3
5	6
4	7,10

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
A-WKSTAT–Con.	202	PRWKSTAT–Con.	416	CODE EQUIVALENCIES
				OLD — NEW
		8 FT HOURS, USUALLY PT FOR ECONOMIC REASONS		
		9 FT HOURS, USUALLY PT FOR NON-ECONOMIC		
		10 NOT AT WORK, USUALLY PT		
		11 UNEMPLOYED FT		6 — 11
		12 UNEMPLOYED PT		7 — 12
EXPERIENCED LABOR FORCE EMPLOYMENT STATUS				
A-EXPLF	203	PREXPLF	395	FULLY EQUIVALENT
LABOR FORCE BY TIME WORKED OR LOST				
A-WKSCH	204	PRWKSCH	414	FULLY EQUIVALENT
CIVILIAN LABOR FORCE				
A-CIVLF	205	PRCIVLF	387	CODE EQUIVALENCIES
				OLD — NEW
				0 — 2
				1 — 1
FULL TIME LABOR FORCE				
A-FTLF	206	PRFTLF	397	NOT FULLY EQUIVALENT. SEE ATTACHMENT 3 FOR THE NEW DEFINITIONS.
0 = NOT IN UNIVERSE		1 FULL TIME LABOR FORCE		
1 = IN UNIVERSE		2 PART TIME LABOR FORCE		

REASON NOT AT WORK OR HOURS AT WORK

A-EMPHRS	207	PREMPHRS	391	

WITH A JOB, BUT NOT AT WORK

	PREMPHRS (FORWARD NAME)		CODE EQUIVALENCES OLD	NEW
1 = ILLNESS	0	UNEMPLOYED AND NILF	0	0
2 = VACATION	1	W/JOB, NOT AT WORK - ILLNESS	1	1
3 = BAD WEATHER	2	W/JOB, NOT AT WORK - VACATION	2	2
4 = LABOR DISPUTE	3	W/JOB, NOT AT WORK - WEATHER AFFECTED JOB	3	3
5 = ALL OTHER	4	W/JOB, NOT AT WORK - LABOR DISPUTE	4	4
6 = 1-4 HOURS	5	W/JOB, NOT AT WORK - CHILD CARE PROBLEMS	5	5,6,7,8,9,10,11
7 = 5-14 HOURS		**AT WORK**		
8 = 15-21 HOURS	6	W/JOB, NOT AT WORK - FAM/PERS OBLIGATION	6	12
9 = 22-29 HOURS	7	W/JOB, NOT AT WORK - MATERNITY/PATERNITY	7	13
10 = 30-34 HOURS	8	W/JOB, NOT AT WORK - SCHOOL/TRAINING	8	14
11 = 35-39 HOURS	9	W/JOB, NOT AT WORK - CIVIC/MILITARY DUTY	9	15
12 = 40 HOURS	10	W/JOB, NOT AT WORK - DOES NOT WORK IN BUS	10	16
13 = 41-47 HOURS	11	W/JOB, NOT AT WORK - OTHER	11	17
14 = 48 HOURS	12	AT WORK - 1-4 HRS	12	18
15 = 49-59 HOURS	13	AT WORK - 5-14 HRS	13	19
16 = 60 HOURS OR MORE	14	AT WORK - 15-21 HRS	14	20
	15	AT WORK - 22-29 HRS	15	21
	16	AT WORK - 30-34 HRS	16	22
	17	AT WORK - 35-39 HRS		
	18	AT WORK - 40 HRS		
	19	AT WORK - 41-47 HRS		
	20	AT WORK - 48 HRS		
	21	AT WORK - 49-59 HRS		
	22	AT WORK - 60 HRS OR MORE		

7–4

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	FULLY EQUIVALENT	COMMENTS
AT WORK 1-34 HOURS BY HOURS WORK					
A-PTHRS	209	PRPTHRS	403	FULLY EQUIVALENT	

DETAILED REASON FOR PART TIME

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	CODE EQUIVALENCIES OLD	NEW
A-PTREA	211	PRPTREA	405		

USUALLY WORK F/T (DEC. 93 AND EARLIER NAME)

1 = SLACK WORK
2 = MATERIAL SHORTAGES,
3 = NEW JOB STARTED
4 = JOB TERMINATED
5 = HOLIDAY
6 = LABOR DISPUTE
7 = BAD WEATHER
8 = OWN ILLNESS
9 = ON VACATION
10 = ALL OTHER

USUALLY WORK P/T

11 = SLACK WORK
12 = COULD FIND ONLY P/T
13 = OWN ILLNESS
14 = TOO BUSY OR DID NOT WANT F/T
15 = F/T UNDER 35 HOURS
16 = OTHER

FORWARD NAME (PRPTREA)

Code	Description	OLD	NEW
1	USU. FT - SLACK WORK/ BUSINESS CONDITIONS	1,2	1
2	USU. FT - SEASONAL WORK PLANT REPAIR	10	2,7,8,11,12,13
3	USU. FT - JOB STARTED/ ENDED DURING WEEK	3,4	3
4	USU. FT - VACATION/ PERSONAL DAY	9	4
5	USU. FT - OWN ILLNESS/INJURY/ MEDICAL APPT	8	5
6	USU. FT - HOLIDAY (RELIGIOUS OR LEGAL)	5	6
7	USU. FT - CHILD CARE PROBLEMS		
8	USU. FT - OTHER FAM/ PERS OBLIGATIONS		
9	USU. FT - LABOR DISPUTE	6	9
10	USU. FT - WEATHER AFFECTED JOB	7	10
11	USU. FT - SCHOOL/TRAINING		
12	USU. FT - CIVIC/MILITARY DUTY		
13	USU. FT - OTHER REASON		
14	USU. PT - SLACK WORK/ BUSINESS CONDITIONS	11	14
15	USU. PT - COULD ONLY FIND PT WORK		15
16	USU. PT - SEASONAL WORK	16	12
17	USU. PT - CHILD CARE PROBLEMS	14	16,21,23 17,18,20

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS CODE EQUIVALENCIES OLD	NEW
A-PTREA–Con.	211	PRPTREA–Con.	405		
		18 USU. PT - OTHER FAM/PERS OBLIGATIONS			
		19 USU. PT - HEALTH/MEDICAL LIMITATIONS		13	19
		20 USU. PT - SCHOOL/TRAINING			
		21 USU. PT - RETIRED/SS LIMIT ON EARNINGS			
		22 USU. PT - WORKWEEK <35 HOURS		15	22
		23 USU. PT - OTHER REASON			

REASON NOT AT WORK AND PAY STATUS

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS CODE EQUIVALENCIES OLD	NEW
A-ABSREA	213	PRABSREA	385		
USUALLY WORK F/T PAID					
1 = VACATION		1 FT PAID - VACATION		1	1
2 = ILLNESS		2 FT PAID - OWN ILLNESS		2	2
3 = ALL OTHER		3 FT PAID - CHILD CARE PROBLEMS		3	4-10
NOT PAID					
4 = VACATION		4 FT PAID - OTHER FAMILY/PERSONAL OBLIG.		4	11
5 = ILLNESS		5 FT PAID - MATERNITY/PATERNITY LEAVE		5	12
6 = ALL OTHER		6 FT PAID - LABOR DISPUTE		6	13-20
USUALLY WORK P/T PAID					
7 = VACATION		7 FT PAID - WEATHER AFFECTED JOB		7	21
8 = ILLNESS		8 FT PAID - SCHOOL/TRAINING		8	22
9 = ALL OTHER		9 FT PAID - CIVIC/MILITARY DUTY		9	23-30

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS CODE EQUIVALENCIES OLD	NEW
A-ABSREA—Con.	213	PRABSREA—Con.	385		
				10	31
NOT PAID				11	32
10 = VACATION				12	33-40
11 = ILLNESS					
12 = ALL OTHER					
		10 FT PAID - OTHER			
		11 FT UNPAID - VACATION			
		12 FT UNPAID - OWN ILLNESS			
		13 FT UNPAID - CHILD CARE PROBLEMS			
		14 FT UNPAID - OTHER FAM/ PERSONAL OBLIGATION			
		15 FT UNPAID - MATERNITY/ PATERNITY LEAVE			
		16 FT UNPAID - LABOR DISPUTE			
		17 FT UNPAID - WEATHER AFFECTED JOB			
		18 FT UNPAID - SCHOOL/TRAINING			
		19 FT UNPAID - CIVIC/MILITARY DUTY			
		20 FT UNPAID - OTHER			
		21 PT PAID - VACATION			
		22 PT PAID - OWN ILLNESS			
		23 PT PAID - CHILD CARE PROBLEMS			
		24 PT PAID - OTHER FAMILY/ PERSONAL OBLIGATION			
		25 PT PAID - MATERNITY/ PATERNITY LEAVE			
		26 PT PAID - LABOR DISPUTE			
		27 PT PAID - WEATHER AFFECTED JOB			
		28 PT PAID - SCHOOL/TRAINING			
		29 PT PAID - CIVIC/MILITARY DUTY			
		30 PT PAID - OTHER			
		31 PT UNPAID - VACATION			
		32 PT UNPAID - OWN ILLNESS			
		33 PT UNPAID - CHILD CARE PROBLEMS			
		34 PT UNPAID - OTHER FAMILY/ PERSONAL OBLIGATION			
		35 PT UNPAID - MATERNITY/ PATERNITY LEAVE			
		36 PT UNPAID - LABOR DISPUTE			
		37 PT UNPAID - WEATHER AFFECTED JOB			
		38 PT UNPAID - SCHOOL/TRAINING			
		39 PT UNPAID - CIVIC/MILITARY DUTY			
		40 PT UNPAID - OTHER			

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
AG/NONAG INDUSTRY RECODE				
A-AG-NA	215	PRAGNA	460	FULLY EQUIVALENT
MAJOR INDUSTRY RECODE				
A-MJIND	216	PRMJIND1	482	FULLY EQUIVALENT
DETAILED INDUSTRY RECODE				
A-DTIND	218	PRDTIND1	472	NOTE THAT OLD CODE 33 IS BROKEN INTO 2 CATEGORIES (33 AND 34). NEW AND OLD CODES 1-32 ARE EQUIVALENT. NEW CODES 35-52 ARE EQUIVALENT TO OLD CODES 34-51 RESPECTIVELY.
MAJOR OCCUPATION RECODE				
A-MJOCC	220	PRMJOCC1	486	FULLY EQUIVALENT
DETAILED OCCUPATION RECODE				
A-DTOCC	222	PRDTOCC1	476	FULLY EQUIVALENT
EARNINGS ELIGIBILITY FLAG				
A-ERNEL	224	PRERELG		FULLY EQUIVALENT

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
INDUSTRY AND OCCUPATION FLAG				
A-IOELIG	225	PRIOELG		FULLY EQUIVALENT
DISCOURAGED WORKERS FLAG				
A-DSCWK	226	PRDISC	389	NOTE THAT THE DEFINITION OF DISCOURAGED WORKERS CHANGED. SEE THE OVERVIEW OF CHANGES.
DETAILED CLASS OF WORKER				
A-DTCLWK	227	PRDTCOW1	468	FULLY EQUIVALENT
EMPLOYED PERSONS FLAG (EXCLUDING FARM AND PRIVATE HOUSEHOLD WORKERS)				
A-EM	229	PREMP	480	FULLY EQUIVALENT
NONAGRICULTURAL WAGE AND SALARY WORKERS				
A-NAGWS	230	PRNAGWS	494	FULLY EQUIVALENT
CLASS OF WORKER RECODE				
A-RCOW	231	PRCOW1	462	CODE EQUIVALENCIES

A-RCOW		PRCOW1	
1 = PRIVATE		1 FEDERAL GOVT	
2 = FEDERAL		2 STATE GOVT	
3 = STATE		3 LOCAL GOVT	
4 = LOCAL		4 PRIVATE (INCL. SELF-EMPLOYED INCORP.)	
5 = SE-UNINC.		5 SELF-EMPLOYED, UNINCORP.	
6 = WITHOUT PAY		6 WITHOUT PAY	

CODE EQUIVALENCIES

OLD	NEW
2	1
3	2
4	3
1	4
5	5
6	6

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
NONAG PRIVATE WAGE AND SALARY WORKERS (EXC PRIVATE H-HOLD WORKERS)				
A-NAGPWS	232	PRNAGPWS	492	FULLY EQUIVALENT
FAMILY RELATIONSHIP				
A-FAMREL	275P	RFAMREL	153	FULLY EQUIVALENT
FAMILY TYPE				
A-FAMTYP	274	PRFAMTYP	155	FULLY EQUIVALENT
FAMILY NUMBER				
A-FAMNUM	272	PRFAMNUM	151	FULLY EQUIVALENT
MARITAL STATUS RECODE				
A-MARITL	122	PRMARSTA	159	FULLY EQUIVALENT

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS

RELATIONSHIP TO REFERENCE PERSON

A-EXPRRP

		PERRP		CODE EQUIVALENCIES

A-EXPRRP (LOCATION 196):

1 = REFERENCE PERSON WITH RELATIVES
2 = REFERENCE PERSON
3 = HUSBAND
4 = WIFE
5 = NATURAL/ADOPTED CHILD
6 = STEP CHILD
7 = GRANDCHILD
8 = PARENT
9 = BROTHER/SISTER
10 = OTHER RELATIVE
11 = FOSTER CHILD
12 = NONRELATIVE WITH RELATIVES
13 = PARTNER/ROOMMATE
14 = NONRELATIVE WITHOUT RELATIVES

PERRP (LOCATION 118):

1 REF PERS WITH OTHER RELATIVES IN HH
2 REF PERS WITH NO OTHER RELATIVES WITHOUT RELATIVES IN HH
3 SPOUSE
4 CHILD
5 GRANDCHILD
6 PARENT
7 BROTHER/SISTER
8 OTHER RELATIVE
9 FOSTER CHILD
10 NON-REL OF REF PER W/ OWN RELS IN HH
11 PARTNER/ROOMMATE
12 NON-REL OF REF PER W/ NO OWN RELS IN HH

CODE EQUIVALENCIES

OLD	NEW
1	1
2	2
3,4	3
5,6	4
7	5
8	6
9	7
10	8
11	9
12	10
13	11
14	12

TYPE OF PERSON RECORD

H-RECTYP (LOCATION 101):

1 = INTERVIEWED ADULT
2 = TYPE A NONINTERVIEW
3 = TYPE B/C NONINTERVIEW
4 = ARMED FORCES RECORD
5 = CHILDRENS RECORD

PRPERTYP (LOCATION 161):

1 CHILD HOUSEHOLD MEMBER
2 ADULT CIVILIAN HOUSEHOLD MEMBER
3 ADULT ARMED FORCES HOUSEHOLD MEMBER

CODE EQUIVALENCIES

OLD	NEW
5	1
1	2
4	3

LOCATION	COMMENTS	CODE EQUIVALENCES	
		OLD	NEW
57	...INTERVIEW	1	1
	...INTERVIEW	2	2
	...INTERVIEW	3	3,4
59	FULLY EQUIVALENT		
	...IEW HOUSEHOLD		
	.../IFE PRIMARY FAMILY F)		
61	.../IFE PRIMARY FAMILY TH AF)	CODE EQUIVALENCES	
		OLD	NEW
	...CIVILIAN MALE - ...MILY HHLDER	1	1
	...CIVILIAN FEMALE - ...MILY HHLDER	2	2
	...MILY HHLDER - MAR.	3	3
		4	4
		5	5
	...LE	6	6

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
				CODE EQUIVALENCIES
				OLD — NEW
H-HTYPE–Con.	38	HRHTYPE–Con.	61	
7 = CIVILIAN FEMALE PRIMARY INDIVIDUAL		7 CIVILIAN FEMALE		7 — 7
8 = PRIMARY INDIVIDUAL HOUSEHOLD - REFERENCE PERSON IN RP IN AF ARMED FORCES		8 PRIMARY INDIVIDUAL HHLD -		8 — 8
9 = GROUP QUARTERS		9 GROUP QUARTERS WITH FAMILY		9 — 9,10
		10 GROUP QUARTERS WITHOUT FAMILY		
DEMOGRAPHIC CHARACTERISTICS				
A-LINENO	114	PULINENO	147	ALL ARE
A-PARENT	118	PEPARENT	120	FULLY
A-AGE	120	PEAGE	122	EQUIVALENT
A-SPOUSE	123	PESPOUSE	127	
A-SEX	125	PESEX	129	
A-VET	126	PEAFWHEN	133	
A-HGA	127	PEEDUCA	137	
A-RACE	130	PERACE	139	
A-REORGN	194	PRORIGIN	141	
LABOR FORCE ITEMS				
ACTUAL HOURS WORKED AT ALL JOBS				
A-HRS1	133	PEHRACT1	247	FULLY EQUIVALENT
PART TIME STATUS AND REASON				
A-USLFT	136	PRPTREA	405	THE NEW RECODE PROVIDES ALL VALID POSSIBLE ENTRIES
A-FTREAS	137			

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
WHY ABSENT FROM WORK				
A-WHYABS	142	PEABSRSN	210	**CODE EQUIVALENCIES**

				OLD	NEW
1 = OWN ILLNESS		1 ON LAYOFF		6,7	1
2 = ON VACATION		2 SLACK WORK/ BUSINESS CONDITIONS		8	2,6,7,8,11, 12,13,14
3 = BAD WEATHER		3 WAITING FOR A NEW JOB TO BEGIN		5	3
4 = LABOR DISPUTE		4 VACATION/PERSONAL DAYS		2	4
5 = NEW JOB TO BEGIN WITHIN 30 DAYS		5 OWN ILLNESS/INJURY/ MEDICAL PROBLEMS		1	5
6 = TEMPORARY LAYOFF (UNDER 30 DAYS)		6 CHILD CARE PROBLEMS			
7 = INDEFINITE LAYOFF (30 DAYS OR MORE)		7 OTHER FAMILY/ PERSONAL OBLIGATION			
8 = OTHER		8 MATERNITY/PATERNITY LEAVE			
		9 LABOR DISPUTE		4	9
		10 WEATHER AFFECTED JOB		3	10
		11 SCHOOL/TRAINING			
		12 CIVIC/MILITARY DUTY			
		13 DOES NOT WORK IN THE BUSINESS			
		14 OTHER (SPECIFY)			

RECEIPT OF WAGES OR SALARY FOR TIME OFF

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
A-PAYABS	143	PEABSPDO	212	FULLY EQUIVALENT

DURATION OF UNEMPLOYMENT

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
A-WKSLK	154	PRUNEDUR	407	FULLY EQUIVALENT RANGE EXPANDED IN NEW RECODE

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS

WHEN LAST WORKED AT A REGULAR JOB (UNEMPLOYED)

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
A-WHENLJ	159	PELKLWO	340	CODE EQUIVALENCIES
				OLD NEW
1 = IN LAST 12 MONTHS		1 = IN LAST 12 MONTHS		1 1
2 = 1-5 YEARS AGO		2 = MORE THAN 12 MONTHS AGO		2-4 2
3 = MORE THAN 5 YEARS AGO		3 = NEVER WORKED		5 3
4 = NEVER WORKED FULL TIME 2 WEEKS OR MORE				
5 = NEVER WORKED AT ALL INDUSTRY CODE				
A-IND	160	PEIO1ICD	436	FULLY EQUIVALENT
OCCUPATION CODE				
A-OCC	163	PEIO1OCD	439	FULLY EQUIVALENT
CLASS OF WORKER				
A-CLSWKR	166	PEIO1COW	432	CODE EQUIVALENCIES
				OLD NEW
1 = PRIVATE		1 GOVERNMENT - FEDERAL		2 1
2 = FEDERAL GOVERNMENT		2 GOVERNMENT - STATE		3 2
3 = STATE GOVERNMENT		3 GOVERNMENT - LOCAL		4 3
4 = LOCAL GOVERNMENT		4 PRIVATE, FOR PROFIT		1 4,5
5 = SELF-EMPLOED -- INCORPORATED		5 PRIVATE, NONPROFIT		5 6
6 = SELF-EMPLOYED -- NOT INCORPORATED		6 SELF-EMPLOYED, INCORPORATED		6 7
7 = WITHOUT PAY		7 SELF-EMPLOYED, UNINCORPORATED		7 8
8 = NEVER WORKED		8 WITHOUT PAY		

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS

WHEN LAST WORKED AT A REGULAR JOB (NOT IN THE LABOR FORCE)

A-NLFLJ	169	PENLFJH	566	CODE EQUIVALENCIES
				OLD NEW
1 = WITHIN PAST 12 MONTHS		1 WITHIN THE LAST 12 MONTHS		1 1
2 = 1 UP TO 2 YEARS AGO		2 MORE THAN 12 MONTHS AGO		2-6 2
3 = 2 UP TO 3 YEARS AGO		3 NEVER WORKED		7 3
4 = 3 UP TO 4 YEARS AGO				
5 = 4 UP TO 5 YEARS AGO				
6 = 5 OR MORE YEARS AGO				
7 = NEVER WORKED				

DOES...WANT A JOB NOW

A-WANTJB	171	PRWNTJOB	418	CODE EQUIVALENCIES
				OLD NEW
1 = YES		1 WANT A JOB		1,2 1
2 = MAYBE - IT DEPENDS		2 OTHER NOT IN LABOR FORCE		3,4 2
3 = NO				
4 = DON'T KNOW				

SCHOOL ENROLLMENT ITEMS

A-ENRLW	191	PESCHENR	575	ALL ARE
A-HSCOL	192	PESCHLVL	579	FULLY
A-FTPT	193	PESCHFT	577	EQUIVALENT

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
EARNINGS ITEMS				
USUAL HOURS WORKED PER WEEK				
A-USLHRS	185	PEHRUSL1	218	FULLY EQUIVALENT NOTE THAT THE UNIVERSE IS NOW ALL EMPLOYED INDIVIDUALS RESPONSES OF "HOURS VARY" ARE CODED AS 000 IN THE NEW SYSTEM. THE OLD SYSTEM DID NOT ALLOW SUCH RESPONSES.
PAID BY THE HOUR ON THIS JOB				
A-HRLYWK	187	PEERNHRY	506	FULLY EQUIVALENT
HOURLY RATE OF PAY				
A-HERNTP	233	PRERNHLY	520	FULLY EQUIVALENT INCLUDING THE SAME TOPCODING CRITERIA
WEEKLY EARNINGS				
A-WERNTP	237	PRERNWA	527	
HOURLY RATE OF PAY TOPCODE FLAG				
A-HERNTF	241	PTHR	524	FULLY EQUIVALENT
WEEKLY EARNINGS TOPCODE FLAG				
A-WERNTF	242	PTWK	535	FULLY EQUIVALENT

DEC. 93 AND EARLIER NAME	JAN. 1994 LOCATION	FORWARD NAME	LOCATION	COMMENTS
UNION MEMBERSHIP				
A-UNMEM	139	PEERNLAB	561	FULLY EQUIVALENT
UNION COVERAGE				
A-UNCOV	140	PEERNCOV	563	FULLY EQUIVALENT

ATTACHMENT 8

BASIC CURRENT POPULATION SURVEY RECORD LAYOUT

NAME	SIZE	DESCRIPTION	LOCATION
		A1. HOUSEHOLD INFORMATION	
HRHHID	12	HOUSEHOLD IDENTIFIER	(1 - 12)
		EDITED UNIVERSE: ALL HHLD's IN SAMPLE	
HUINTTYP	2	TYPE OF INTERVIEW	(13 - 14)

VALID ENTRIES

0	CATI Interview
1	Personal (CAPI)
2	Telephone (CAPI)

HULENSEC	5	CUMULATIVE TIME OF AN INTERVIEW IN SECONDS	(15 - 19)

VALID ENTRIES

00000	Min Value
99999	Max Value

HUPRSCNT	2	NUMBER OF ACTUAL AND ATTEMPTED PERSONAL CONTACTS	(20 - 21)

VALID ENTRIES

1	Min Value
9	Max Value

HURESPLI	2	LINE NUMBER OF THE CURRENT RESPONDENT	(22 - 23)

VALID ENTRIES

0	Min Value
99	Max Value

HUFINAL	3	FINAL OUTCOME CODE	(24 - 26)

Outcome Codes Between 001 And 200 Are
For CATI. All Other Outcome Codes
Are For CAPI.

VALID ENTRIES

000	New Interview - Not Contacted
001	Fully Complete CATI Interview
002	Partially Completed CATI Interview

NAME	SIZE	DESCRIPTION	LOCATION

HUFINAL 3 FINAL OUTCOME CODE—Con.

005	Labor Force Complete, Supplement Incomplete - CATI
024	HH Occupied Entirely By Armed Forces Members
115	Partial Interview With Callback Planned - CATI
200	New Interview - Contacted
201	CAPI Complete
202	Callback Needed
203	Sufficient Partial - Precloseout
204	Sufficient Partial - At Closeout
205	Labor Force Complete, - Suppl. Incomplete - CAPI
210	CAPI Complete Reinterview
216	No One Home
217	Temporarily Absent
218	Refused
219	Other Occupied - Specify
224	Armed Forces Occupied Or Under Age 14
225	Temp. Occupied W/Persons With URE
226	Vacant Regular
227	Vacant - Storage Of Hhld Furniture
228	Unfit, To Be Demolished
229	Under Construction, Not Ready
230	Converted To Temp Business Or Storage
231	Unoccupied Tent Or Trailer Site
232	Permit Granted - Construction Not Started
233	Other - Specify
240	Demolished
241	House Or Trailer Moved
242	Outside Segment
243	Converted To Perm. Business Or Storage
244	Merged
245	Condemned
246	Built After April 1, 1980
247	Unused Serial No./Listing Sheet Line
248	Other - Specify

HUSPNISH 2 IS SPANISH THE ONLY LANGUAGE SPOKEN BY ALL (27 - 28)
MEMBERS OF THIS HOUSEHOLD WHO ARE 15 YEARS
OF AGE OR OLDER?

VALID ENTRIES

1   SPANISH ONLY LANGUAGE SPOKEN

HETENURE 2 ARE YOUR LIVING QUARTERS... (READ ANSWER CATEGORIES) (29 - 30)

EDITED UNIVERSE: HRINTSTA = 1 OR HUTYPB = 1-3

VALID ENTRIES

1   Owned Or Being Bought By A HH Member
2   Rented For Cash
3   Occupied Without Payment Of Cash Rent

NAME	SIZE	DESCRIPTION	LOCATION
HEHOUSUT	2	TYPE OF HOUSING UNIT	(31 - 32)

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

0	Other Unit
1	House, Apartment, Flat
2	HU In Nontransient Hotel, Motel, Etc.
3	HU Permanent In Transient Hotel, Motel
4	HU In Rooming House
5	Mobile Home Or Trailer W/No Perm. Room Added
6	Mobile Home Or Trailer W/1 Or More Perm. Rooms Added
7	HU Not Specified Above
8	Quarters Not HU In Rooming Or Brding Hs
9	Unit Not Perm. In Transient Hotl, Motl
10	Unoccupied Tent Site Or Trlr Site
11	Student Quarters In College Dorm
12	Other Unit Not Specified Above

NAME	SIZE	DESCRIPTION	LOCATION
HETELHHD	2	IS THERE A TELEPHONE IN THIS HOUSE/APARTMENT?	(33 - 34)

EDITED UNIVERSE: HRINTSTA = 1

VALID ENTRIES

1	Yes
2	No

NAME	SIZE	DESCRIPTION	LOCATION
HETELAVL	2	IS THERE A TELEPHONE ELSEWHERE ON WHICH PEOPLE IN THIS HOUSEHOLD CAN BE CONTACTED?	(35 - 36)

EDITED UNIVERSE: HETELHHD = 2

VALID ENTRIES

1	Yes
2	No

NAME	SIZE	DESCRIPTION	LOCATION
HEPHONEO	2	IS A TELEPHONE INTERVIEW ACCEPTABLE?	(37 - 38)

EDITED UNIVERSE: HETELHHD = 1 OR HETELAVL = 1

VALID ENTRIES

1	Yes
2	No

NAME	SIZE	DESCRIPTION	LOCATION

HUFAMINC   2   FAMILY INCOME   (39 - 40)

(COMBINED INCOME OF ALL FAMILY MEMBERS
DURING THE LAST 12 MONTHS. INCLUDES
MONEY FROM JOBS, NET INCOME FROM BUSINESS,
FARM OR RENT, PENSIONS, DIVIDENDS, INTEREST,
SOCIAL SECURITY PAYMENTS AND ANY OTHER MONEY
INCOME RECEIVED BY FAMILY MEMBERS WHO ARE 15
YEARS OF AGE OR OLDER.)

VALID ENTRIES

1	Less Than $5,000
2	5,000 To 7,499
3	7,500 To 9,999
4	10,000 To 12,499
5	12,500 To 14,999
6	15,000 To 19,999
7	20,000 To 24,999
8	25,000 To 29,999
9	30,000 To 34,999
10	35,000 To 39,999
11	40,000 To 49,999
12	50,000 To 59,999
13	60,000 To 74,999
14	75,000 Or More

HUTYPEA   2   TYPE A NONINTERVIEW REASON   (41 - 42)

VALID ENTRIES

1	No One Home (Noh)
2	Temporarily Absent (TA)
3	Refused (Ref)
4	Other Occupied - Specify

HUTYPB2   TYPE B NON-INTERVIEW REASON   (43 - 44)

VALID ENTRIES

1	Vacant Regular
2	Temporarily Occupied By Persons W/ URE
3	Vacant-storage Of Hhld Furniture
4	Unfit Or To Be Demolished
5	Under Construction, Not Ready
6	Converted To Temp Business Or Storage
7	Unoccupied Tent Site Or Trailer Site
8	Permit Granted Construction Not Started
9	Other Type B - Specify

NAME	SIZE	DESCRIPTION	LOCATION

HUTYPC2   TYPE C NON-INTERVIEW REASON   (45 - 46)

VALID ENTRIES

1	Demolished
2	House Or Trailer Moved
3	Outside Segment
4	Converted To Perm. Business Or Storage
5	Merged
6	Condemned
8	Unused Line Of Listing Sheet
9	Other - Specify

HWHHWGT   10   HOUSEHOLD WEIGHT   (47 - 56)
USED FOR TALLYING HOUSEHOLD CHARACTERISTICS

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

HRINTSTA   2   INTERVIEW STATUS   (57 - 58)

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

1	Interview
2	Type A Non-Interview
3	Type B Non-Interview
4	Type C Non-Interview

HRNUMHOU   2   TOTAL NUMBER OF PERSONS LIVING   (59 - 60)
IN THE HOUSEHOLD (HOUSEHOLD MEMBERS).

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

0	Min Value
16	Max Value

HRHTYPE   2   HOUSEHOLD TYPE   (61 - 62)

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

0	Non-Interview Household
1	Husband/Wife Primary Family (Neither AF)
2	Husb/Wife Prim. Family (Either/both AF)
3	Unmarried Civilian Male-Prim. Fam Hhlder
4	Unmarried Civ. Female-Prim Fam Hhlder
5	Primary Family Hhlder-Rp In Af, Unmar.
6	Civilian Male Primary Individual
7	Civilian Female Primary Individual
8	Primary Individual Hhld-Rp In AF
9	Group Quarters With Family
10	Group Quarters Without Family

NAME	SIZE	DESCRIPTION	LOCATION
HRMIS	2	MONTH-IN-SAMPLE	(63 - 64)

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

1	Min Value
8	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
HRMONTH	2	MONTH OF INTERVIEW	(65 - 66)

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

01	Min Value
12	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
HRYEAR	2	YEAR OF INTERVIEW	(67 - 68)

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

0	Min Value
99	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
HRLONGLK	2	LONGITUDINAL LINK INDICATOR	(69 - 70)

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

0	MIS 1 Or Replacement HH (No Link)
2	MIS 2-4 Or MIS 6-8
3	MIS 5

NAME	SIZE	DESCRIPTION	LOCATION
HRSAMPLE	4	SAMPLE IDENTIFIER	(71 - 74)

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

1st Digit - A-Z
Digits 2-4 - 000-999

NAME	SIZE	DESCRIPTION	LOCATION
HRSERSUF	2	SERIAL SUFFIX IDENTIFIES EXTRA UNITS	(75 - 76)

EDITED UNIVERSE: ALL HHLDs IN SAMPLE

VALID ENTRIES

A-Z

NAME	SIZE	DESCRIPTION	LOCATION
HUHHNUM	2	HOUSEHOLD NUMBER	(77 - 78)

THE INITIAL HOUSEHOLD RECEIVES A
VALUE OF 1, AND SUBSEQUENT REPLACEMENT
HOUSEHOLDS INCREASE THE VALUE BY 1.

VALID ENTRIES

01	Min Value
08	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
HUBUS	2	DOES ANYONE IN THIS HOUSEHOLD HAVE A BUSINESS OR A FARM?	(79 - 80)

VALID ENTRIES

1	Yes
2	No

NAME	SIZE	DESCRIPTION	LOCATION
HUBUSL1	2	ENTER LINE NUMBER FOR HUBUS = 1	(81 - 82)

VALID ENTRIES

01	Min Value
99	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
HUBUSL2	2	See BUSL1	(83 - 84)

VALID ENTRIES

1	Min Value
99	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
HUBUSL3	2	See BUSL1	(85 - 86)

VALID ENTRIES

1	Min Value
99	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
HUBUSL4	2	See BUSL1	(87 - 88)

VALID ENTRIES

1	Min Value
99	Max Value

NAME	SIZE	DESCRIPTION	LOCATION

A2. GEOGRAPHIC INFORMATION

GEREG 2 REGION (89 - 90)

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

1   Northwest
2   Midwest (Formerly North Central)
3   South
4   West

GESTCEN 2 CENSUS STATE CODE (91 - 92)

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

11	ME	85	NM
12	NH	56	NC
13	VT	57	SC
14	MA	58	GA
15	RI	59	FL
16	CT	61	KY
21	NY	62	TN
22	NJ	63	AL
23	PA	64	MS
31	OH	71	AR
32	IN	72	LA
33	IL	73	OK
34	MI	74	TX
35	WI	81	MT
41	MN	82	ID
42	IA	83	WY
43	MO	84	CO
44	ND	86	AZ
45	SD	87	UT
46	NE	88	NV
47	KS	91	WA
51	DE	92	OR
52	MD	93	CA
53	DC	94	AK
54	VA	95	HI
55	WV		

NAME	SIZE	DESCRIPTION	LOCATION
GESTFIPS	2	FEDERAL INFORMATION PROCESSING STANDARDS (FIPS) STATE CODE	(93 - 94)

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

01	AL	30	MT
02	AK	31	NE
04	AZ	32	NV
05	AR	33	NH
06	CA	34	NJ
08	CO	35	NM
09	CT	36	NY
10	DE	37	NC
11	DC	38	ND
12	FL	39	OH
13	GA	40	OK
15	HI	41	OR
16	ID	42	PA
17	IL	44	RI
18	IN	45	SC
19	IA	46	SD
20	KS	47	TN
21	KY	48	TX
22	LA	49	UT
23	ME	50	VT
24	MD	51	VA
25	MA	53	WA
26	MI	54	WV
27	MN	55	WI
28	MS	56	WY
29	MO		

NAME	SIZE	DESCRIPTION	LOCATION
FILLER	2	BLANK OR ZERO FILLER	(95 - 96)
FILLER	4	BLANK OR ZERO FILLER	(97 - 100)
FILLER	3	BLANK OR ZERO FILLER	(101 - 103)
FILLER	2	BLANK OR ZERO FILLER	(104 - 105)
FILLER	2	BLANK OR ZERO FILLER	(106 - 107)
GEMSAST	2	MSA STATUS	(108 - 109)

EDITED UNIVERSE: ALL HHLD's IN SAMPLE

VALID ENTRIES

1	Central City
2	Balance
3	Non-Metropolitan
4	Not Identified

NAME	SIZE	DESCRIPTION	LOCATION
GEINDVCC	2	INDIVIDUAL CENTRAL CITY (SEE GEOGRAPHIC APPENDIX)	(110 - 111)
		EDITED UNIVERSE: ALL HHLD's IN SAMPLE	
GEMETSTA	2	METROPOLITAN STATUS	(112 - 113)
		EDITED UNIVERSE: ALL HHLD's IN SAMPLE	
		VALID ENTRIES	

1 =   Metropolitan
2 =   Non Metropolitan
3 =   Not Identified

| FILLER | 2 | | (114 - 115) |

NAME	SIZE	DESCRIPTION	LOCATION

A3. PERSONS INFORMATION
DEMOGRAPHIC ITEMS

PUPELIG   2   INTERVIEW STATUS OF EACH PERSON   (116 - 117)
IN THE HOUSEHOLD

VALID ENTRIES

1	Eligible For Interview
2	Labor Force Fully Complete
3	Missing Labor Force Data For Person
4	(Not Used)
5	Assigned If Age Is Blank
6	Armed Forces Member
7	Under 15 Years Old
8	Not A HH Member
9	Deleted
10	Deceased
11	End Of List
12	After End Of List

PERRP   2   RELATIONSHIP TO REFERENCE PERSON   (118 - 119)

EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3

VALID ENTRIES

01	Ref Pers With Other Relatives In HH
02	Ref Pers With No Other Relatives In HH
03	Spouse
04	Child
05	Grandchild
06	Parent
07	Brother/Sister
08	Other Relative
09	Foster Child
10	Non-Rel Of Ref Per W/Own Rels In HH
11	Partner/roommate
12	Non-Rel Of Ref Per W/No Own Rels In HH

PEPARENT   2   LINE NUMBER OF PARENT   (120 - 121)

EDITED UNIVERSE: EVERY PERSON

VALID ENTRIES

-1	No Parent
01	Min Value
99	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEAGE	2	PERSONS AGE AS OF THE END OF SURVEY WEEK	(122 - 123)

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

0	Min Value
90	Max Value

PTAGE	1	TOP CODE FOR AGE	(124 - 124)

VALID ENTRIES

0	No Top Code
1	Top Coded Value For Age

PEMARITL	2	MARITAL STATUS	(125 - 126)

EDITED UNIVERSE: PEAGE > = 15

VALID ENTRIES

1	Married - Spouse Present
2	Married - Spouse Absent
3	Widowed
4	Divorced
5	Separated
6	Never Married

PESPOUSE	2	LINE NUMBER OF SPOUSE	(127 - 128)

EDITED UNIVERSE: PEMARITL = 1

VALID ENTRIES

-1	No Spouse
01	Min Value
99	Max Value

PESEX	2	SEX	(129 - 130)

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

1	Male
2	Female

NAME	SIZE	DESCRIPTION	LOCATION

PUAFEVER   2   DID YOU EVER SERVE ON ACTIVE   (131 - 132)
DUTY IN THE U.S. ARMED FORCES?

VALID ENTRIES

1   Yes
2   No

PEAFWHEN   2   WHEN DID YOU SERVE?   (133 - 134)

EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1   Vietnam Era (8/64-4/75)
2   Korean War (6/50-1/55)
3   World War II (9/40-7/47)
4   World War I (4/17-11/18)
5   Other Service (All Other Periods)
6   Nonveteran

PEAFNOW   2   ARE YOU NOW IN THE ARMED FORCES   (134 - 136)

EDITED UNIVERSE: PRPERTYP = 2 OR 3

VALID ENTRIES

1   Yes
2   No

PEEDUCA   2   HIGHEST LEVEL OF SCHOOL   (137 - 138)
COMPLETED OR DEGREE RECEIVED

EDITED UNIVERSE: PRPERTYP = 2 OR 3

VALID ENTRIES

31   Less Than 1st Grade
32   1st, 2nd, 3rd Or 4th Grade
33   5th Or 6th Grade
34   7th Or 8th Grade
35   9th Grade
36   10th Grade
37   11th Grade
38   12th Grade No Diploma
39   High School Grad-diploma Or Equiv (Ged)
40   Some College But No Degree
41   Associate Degree-Occupational/Vocational
42   Associate Degree-Academic Program
43   Bachelor's Degree (Ex: BA, AB, BS)
44   Master's Degree (Ex: MA, MS, MENG, MED, MSW)
45   Professional School Deg (Ex: MD, DDS, DVM)
46   Doctorate Degree (Ex: PHD, EDD)

NAME	SIZE	DESCRIPTION	LOCATION
PERACE	2	RACE	(139 - 140)

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

1   White
2   Black
3   American Indian, Aleut, Eskimo
4   Asian Or Pacific Islander
5   Other - Specify

| PRORIGIN | 2 | ORIGIN OR DESCENT | (141 - 142) |

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

01   Mexican American
02   Chicano
03   Mexican (Mexicano)
04   Puerto Rican
05   Cuban
06   Central Or South American
07   Other Spanish
08   All Other
09   Don't Know
10   NA

| PUCHINHH | 2 | CHANGE IN HOUSEHOLD COMPOSITION | (143 - 144) |

VALID ENTRIES

1   Person Added
2   Person Added - URE
3   Person Undeleted
4   Person Died
5   Deleted For Reason Other Than Death
6   Person Joined Armed Forces
7   Person No Longer In AF
9   Change In Demographic Information

| PURELFLG | 2 | FLAG FOR RELATIONSHIP TO THE OWNER OF A BUSINESS. | (145 - 146) |

VALID ENTRIES

0   Not Owner Or Related To Owner
1   Owner Of Bus Or Related To Owner Of Bus

| PULINENO | 2 | PERSON'S LINE NUMBER | (147 - 148) |

VALID ENTRIES

01   Min Value
99   Max Value

NAME	SIZE	DESCRIPTION	LOCATION
FILLER	2		(149 - 150)
PRFAMNUM	2	FAMILY NUMBER RECODE	(151 - 152)

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

00	Not A Family Member
01	Primary Family Member Only
02	Subfamily No. 2 Member
03	Subfamily No. 3 Member
04	Subfamily No. 4 Member
05	Subfamily No. 5 Member
06	Subfamily No. 6 Member
07	Subfamily No. 7 Member
08	Subfamily No. 8 Member
09	Subfamily No. 9 Member
10	Subfamily No. 10 Member
11	Subfamily No. 11 Member
12	Subfamily No. 12 Member
13	Subfamily No. 13 Member
14	Subfamily No. 14 Member
15	Subfamily No. 15 Member
16	Subfamily No. 16 Member
17	Subfamily No. 17 Member
18	Subfamily No. 18 Member
19	Subfamily No. 19 Member

NAME	SIZE	DESCRIPTION	LOCATION
PRFAMREL	2	FAMILY RELATIONSHIP RECODE	(153 - 154)

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

0	Not A Family Member
1	Reference Person
2	Spouse
3	Child
4	Other Relative (Primary Family & Unrel)

NAME	SIZE	DESCRIPTION	LOCATION
PRFAMTYP	2	FAMILY TYPE RECODE	(155 - 156)

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

1	Primary Family
2	Primary Individual
3	Related Subfamily
4	Unrelated Subfamily
5	Secondary Individual

NAME	SIZE	DESCRIPTION	LOCATION

PRHSPNON   2   HISPANIC OR NON-HISPANIC   (157 - 158)

EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3

VALID ENTRIES

1   Hispanic
2   Non-Hipsanic

PRMARSTA   2   MARITAL STATUS BASED ON
ARMED FORCES PARTICIPATION   (159 - 160)

EDITED UNIVERSE: PRPERTYP = 2 OR 3

VALID ENTRIES

1   Married, Civilian Spouse Present
2   Married, Armed Forces Spouse Present
3   Married, Spouse Absent (Exc. Separated)
4   Widowed
5   Divorced
6   Separated
7   Never Married

PRPERTYP   2   TYPE OF PERSON RECORD RECODE   (161 - 162)

EDITED UNIVERSE: ALL HOUSEHOLD MEMBERS

VALID ENTRIES

1   Child Household Member
2   Adult Civilian Household Member
3   Adult Armed Forces Household Member

PENATVTY   3   COUNTRY OF BIRTH   (163 - 165)

EDITED UNIVERSE: PRPERTYP = 1, 2, OR 3

VALID ENTRIES

057 =   United States
072 =   Puerto Rico
096 =   U.S. Outlying Area
100-554 =   Foreign Country Or At Sea
555 =   Abroad, Country Not Known

NAME	SIZE	DESCRIPTION	LOCATION
PEMNTVTY	3	MOTHER'S COUNTRY OF BIRTH	(166 - 168)

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

057 =	United States
072 =	Puerto Rico
096 =	U.S. Outlying Area
100-554 =	Foreign Country Or At Sea
555 =	Abroad, Country Not Known

NAME	SIZE	DESCRIPTION	LOCATION
PEFNTVTY	3	FATHER'S COUNTRY OF BIRTH	(169 - 171)

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

057 =	United States
072 =	Puerto Rico
096 =	U.S. Outlying Area
100-554 =	Foreign Country Or At Sea
555 =	Abroad, Country Not Known

NAME	SIZE	DESCRIPTION	LOCATION
PRCITSHP	2	CITIZENSHIP STATUS	(172 - 173)

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

VALID ENTRIES

1 =	Native, Born In The United States
2 =	Native, Born In Puerto Rico Or U.S. Outlying Area
3 =	Native, Born Abroad Of American Parent Or Parents
4 =	Foreign Born, U.S. Citizen By Naturalization
5 =	Foreign Born, Not A Citizen Of The United States

NAME	SIZE	DESCRIPTION	LOCATION
PRCITFLG	2	CITIZENSHIP ALLOCATION FLAG	(174 - 175)

EDITED UNIVERSE: PRPERTYP = 1, 2, 0R 3

(SEE APPENDIX X FOR VALUES OF ALLOCATION FLAGS)
Placed in this position because naming convention is
different from all other allocation flags.

NAME	SIZE	DESCRIPTION	LOCATION
PEINUSYR	2	IMMIGRANT'S YEAR OF ENTRY	(176 - 177)

EDITED UNIVERSE: PRCITSHP = 2, 3, 4, OR 5

VALID ENTRIES

-1 =   Not In Universe (Born In U.S.)
01 =   Before 1950
02 =   1950-1959
03 =   1960-1964
04 =   1965-1969
05 =   1970-1974
06 =   1975-1979
07 =   1980-1981
08 =   1982-1983
09 =   1984-1985
10 =   1986-1987
11 =   1988-1989
12 =   1990-1991
13 =   1992-1994

NAME	SIZE	DESCRIPTION	LOCATION

A4. PERSONS INFORMATION
LABOR FORCE ITEMS

PUSLFPRX 2 LABOR FORCE INFORMATION COLLECTED (178 - 179)
BY SELF OR PROXY RESPONSE

VALID ENTRIES

1   Self
2   Proxy
3   Both Self And Proxy

PEMLR 2 MONTHLY LABOR FORCE RECODE (180 - 181)
EDITED UNIVERSE: PRPERTYP = 2

VALID ENTRIES

1   Employed-At Work
2   Employed-Absent
3   Unemployed-On Layoff
4   Unemployed-Looking
5   Not In Labor Force-Retired
6   Not In Labor Force-Disabled
7   Not In Labor Force-Other

PUWK 2 LAST WEEK, DID YOU DO ANY WORK (182 - 183)
FOR (EITHER) PAY (OR PROFIT)?

VALID ENTRIES

1   Yes
2   No
3   Retired
4   Disabled
5   Unable To Work

PUBUS1 2 LAST WEEK, DID YOU DO ANY (184 - 185)
UNPAID WORK IN THE FAMILY
BUSINESS OR FARM?

VALID ENTRIES

1   Yes
2   No

PUBUS2OT 2 DO YOU RECEIVE ANY PAYMENTS (186 - 187)
OR PROFITS FROM THE BUSINESS?

VALID ENTRIES

1   Yes
2   No

NAME	SIZE	DESCRIPTION	LOCATION

PUBUSCK1   2   CHECK ITEM 1   (188 - 189)

Filter For Questions On Unpaid Work

VALID ENTRIES

1   GoTo PUBUS1
2   GoTo PURETCK1

PUBUSCK2   2   CHECK ITEM 2   (190 - 191)

Skips owners of family business who did not work last week

VALID ENTRIES

1   GoTo PUHRUSL1
2   GoTo PUBUS2

PUBUSCK3   2   CHECK ITEM 3   (192 - 193)

VALID ENTRIES

1   GoTo PUABSRSN
2   GoTo PULAY

PUBUSCK4   2   CHECK ITEM 4   (194 - 195)

VALID ENTRIES

1   GoTo PUHRUSL1
2   GoTo PUABSPD

PURETOT   2   RETIREMENT STATUS   (196 - 197)

(Last Month You Were Reported To Be
Retired, Are You Still Retired This Month?)

VALID ENTRIES

1   Yes
2   No
3   Was Not Retired Last Month

PUDIS   2   DISABILITY STATUS   (198 - 199)

(Last Month You Were Reported To
Have A Disability.) Does Your Disability
Continue To Prevent You From Doing Any Kind
Of Work For The Next 6 Months?

VALID ENTRIES

1   Yes
2   No
3   Did Not Have Disability Last Month

NAME	SIZE	DESCRIPTION	LOCATION

PERET1   2   DO YOU CURRENTLY WANT A JOB, EITHER   (200 - 201)
FULL OR PART-TIME?

EDITED UNIVERSE: PEMLR = 5 AND (PURETOT = 1 OR
(PUWK = 3 AND PEAGE > = 50) OR
(PUABS = 3 AND PEAGE > = 50) OR
(PULAY = 3 AND PEAGE > = 50))

VALID ENTRIES

1   Yes
2   No
3   Has A Job

PUDIS1   2   DOES YOUR DISABILITY PREVENT YOU FROM   (202 - 203)
ACCEPTING ANY KIND OF WORK DURING
THE NEXT SIX MONTHS?

VALID ENTRIES

1   Yes
2   No

PUDIS2   2   DO YOU HAVE A DISABILITY THAT PREVENTS   (204 - 205)
YOU FROM ACCEPTING ANY KIND OF WORK
DURING THE NEXT SIX MONTHS?

VALID ENTRIES

1   Yes
2   No

PUABSOT   2   LAST WEEK DID YOU HAVE A JOB   (206 - 207)
EITHER FULL OR PART-TIME?

VALID ENTRIES

1   Yes
2   No
3   Retired
4   Disabled
5   Unable To Work

PULAY   2   LAST WEEK, WERE YOU ON LAYOFF   (208 - 209)
FROM A JOB?

VALID ENTRIES

1   Yes
2   No
3   Retired
4   Disabled
5   Unable To Work

NAME	SIZE	DESCRIPTION	LOCATION

PEABSRSN 2 WHAT IS THE MAIN REASON YOU (210 - 211)
WERE ABSENT FROM WORK LAST WEEK?

EDITED UNIVERSE: PEMLR = 2

VALID ENTRIES

1	On Layoff
2	Slack Work/Business Conditions
3	Waiting For A New Job To Begin
4	Vacation/Personal Days
5	Own Illness/Injury/Medical Problems
6	Child Care Problems
7	Other Family/Personal Obligation
8	Maternity/Paternity Leave
9	Labor Dispute
10	Weather Affected Job
11	School/Training
12	Civic/Military Duty
13	Does Not Work In The Business
14	Other (Specify)

PEABSPDO 2 ARE YOU BEING PAID BY YOUR (212 - 213)
EMPLOYER FOR ANY OF THE
TIME OFF LAST WEEK?

EDITED UNIVERSE: PEABSRSN = 4-12, 14

VALID ENTRIES

1	Yes
2	No

PEMJOT 2 DO YOU HAVE MORE THAN ONE JOB? (214 - 215)

EDITED UNIVERSE: PEMLR = 1, 2

VALID ENTRIES

1	Yes
2	No

PEMJNUM 2 ALTOGETHER, HOW MANY JOBS DID YOU HAVE? (216 - 217)

EDITED UNIVERSE: PEMJOT = 1

VALID ENTRIES

2	2 Jobs
3	3 Jobs
4	4 Or More Jobs

NAME	SIZE	DESCRIPTION	LOCATION
PEHRUSL1	2	HOW MANY HOURS PER WEEK DO YOU USUALLY WORK AT YOUR MAIN JOB?	(218 - 219)

EDITED UNIVERSE: PEMJOT = 1 OR 2 AND PEMLR = 1 OR 2

VALID ENTRIES

-4   Hours Vary
0   Min Value
99   Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEHRUSL2	2	HOW MANY HOURS PER WEEK DO YOU USUALLY WORK AT YOUR OTHER (JOB/JOBS)?	(220 - 221)

EDITED UNIVERSE: PEMJOT = 1
AND PEMLR = 1 OR 2

VALID ENTRIES

-4   Hours Vary
0   Min Value
99   Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEHRFTPT	2	DO YOU USUALLY WORK 35 HOURS OR MORE PER WEEK?	(222 - 223)

EDITED UNIVERSE: PEHRUSL1 = -4 OR PEHRUSL2 = -4

VALID ENTRIES

1   Yes
2   No
3   Hours Vary

NAME	SIZE	DESCRIPTION	LOCATION
PEHRUSLT	3	SUM OF HRUSL1 AND HRUSL2.	(224 - 226)

EDITED UNIVERSE: PEMLR = 1 OR 2

VALID ENTRIES

-4   Varies
0   Min Value
198 Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEHRWANT	2	DO YOU WANT TO WORK A FULL-TIME WORKWEEK OF 35 HOURS OR MORE PER WEEK?	(227 - 228)

EDITED UNIVERSE: PEHRUSLT = 0-34

VALID ENTRIES

1   Yes
2   No
3   Regular Hours Are Full-time

NAME	SIZE	DESCRIPTION	LOCATION

PEHRRSN1   2   WHAT IS YOUR MAIN REASON FOR   (229 - 230)
WORKING PART-TIME?

EDITED UNIVERSE: PEHRWANT = 1 (PEMLR = 1
AND PEHRUSLT < 35)

VALID ENTRIES

1   Slack Work/Business Conditions
2   Could Only Find Part-time Work
3   Seasonal Work
4   Child Care Problems
5   Other Family/Personal Obligations
6   Health/medical Limitations
7   School/training
8   Retired/Social Security Limit On Earnings
9   Full-time Workweek Is Less Than 35 Hrs
10   Other - Specify

PEHRRSN2   2   WHAT IS THE MAIN REASON YOU DO NOT   (231 - 232)
WANT TO WORK FULL-TIME?

EDITED UNIVERSE: PEHRWANT = 2 (PEMLR = 1
AND PEHRUSLT < 35)

VALID ENTRIES

1   Child Care Problems
2   Other Family/Personal Obligations
3   Health/medical Limitations
4   School/training
5   Retired/Social Security Limit On Earnings
6   Full-time Workweek Less Than 35 Hours
7   Other - Specify

PEHRRSN3   2   WHAT IS THE MAIN REASON YOU WORKED   (233 - 234)
LESS THAN 35 HOURS LAST WEEK?

EDITED UNIVERSE: PEHRACTT = 1-34 AND
PUHRCK7 NE 1, 2 (PEMLR = 1
AND PEHRUSLT = 35+)

VALID ENTRIES

1   Slack Work/Business Conditions
2   Seasonal Work
3   Job Started Or Ended During Week
4   Vacation/Personal Day
5   Own Illness/Injury/Medical Appointment
6   Holiday (Legal Or Religious)
7   Child Care Problems
8   Other Family/Personal Obligations
9   Labor Dispute
10   Weather Affected Job

NAME	SIZE	DESCRIPTION	LOCATION

PEHRRSN3　2　WHAT IS THE MAIN REASON YOU WORKED
LESS THAN 35 HOURS LAST WEEK?–Con.

    11   School/Training
    12   Civic/Military Duty
    13   Other Reason

PUHROFF1　2　LAST WEEK, DID YOU LOSE OR TAKE
OFF ANY HOURS FROM YOUR JOB, FOR
ANY REASON SUCH AS ILLNESS, SLACK WORK,
VACATION, OR HOLIDAY?　　(235 - 236)

VALID ENTRIES

    1   Yes
    2   No

PUHROFF2　2　HOW MANY HOURS DID YOU TAKE OFF?　　(237 - 238)

VALID ENTRIES

    0   Min Value
    99   Max Value

PUHROT1　2　LAST WEEK, DID YOU WORK ANY
OVERTIME OR EXTRA HOURS (AT YOUR MAIN JOB)
THAT YOU DO NOT USUALLY WORK?　　(239 - 240)

VALID ENTRIES

    1   Yes
    2   No

PUHROT2　2　HOW MANY ADDITIONAL HOURS
DID YOU WORK?　　(241 - 242)

VALID ENTRIES

    0   Min Value
    99   Max Value

PEHRACT1　2　LAST WEEK, HOW MANY HOURS DID YOU
ACTUALLY WORK AT YOUR JOB?　　(243 - 244)

EDITED UNIVERSE: PEMLR = 1

VALID ENTRIES

    0   Min Value
    99   Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEHRACT2	2	LAST WEEK, HOW MANY HOURS DID YOU ACTUALLY WORK AT YOUR OTHER (JOB/JOBS)	(245 - 246)

EDITED UNIVERSE: PEMLR = 1 AND PEMJOT = 1

VALID ENTRIES

0	Min Value
99	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEHRACTT	3	SUM OF PEHRACT1 AND PEHRACT2.	(247 - 249)

EDITED UNIVERSE: PEMLR = 1

VALID ENTRIES

0	Min Value
198	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEHRAVL	2	LAST WEEK, COULD YOU HAVE WORKED FULL-TIME IF THE HOURS HAD BEEN AVAILABLE?	(250 - 251)

EDITED UNIVERSE: PEHRACTT = 1-34 (PEMLR = 1 AND PEHRUSLT < 35 AND PEHRRSN1 = 1, 2, 3)

VALID ENTRIES

1	Yes
2	No

NAME	SIZE	DESCRIPTION	LOCATION
PULBHSEC	5	TOTAL SECONDS TO COMPLETE LABOR FORCE ITEMS.	(252 - 256)

VALID ENTRIES

00000	Min Value
99999	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PUHRCK1	2	CHECK ITEM 1	(257 - 258)

VALID ENTRIES

1	GoTo PUHRUSL2
2	GoTo PUHRUSLT

NAME	SIZE	DESCRIPTION	LOCATION

PUHRCK2   2   CHECK ITEM 2   (259 - 260)

Skips Persons Responding Yes To
HRFTPT Out Of PT Series

VALID ENTRIES

1)   If Entry Of 1 In MJ And
Entry Of D, R OR V In HRUSL1
And Entry Of D, R, V Or 0-34
In HRUSL2 GoTo HRFTPT

2)   If Entry Of 1 In MJ And ENTRY
Of D, R Or V IN HRUSL2 And
ENTRY Of D, R V Or 0-34 In
HRUSL1 GoTo HRFTPT

3)   If Entry Of 2, D Or R IN MJ
And ENTRY Of D, R Or V In HRUSL1
GoTo HRFTPT

4)   If Entry Of 1 IN BUS1 And ENTRY
Of D, R Or V In HRUSL1 Then
GoTo HRFTPT

5)   All Others GoTo HRCK3-C

PUHRCK3   2   CHECK ITEM 3   (261 - 262)

VALID ENTRIES

1)   If Entry Of 1 In ABSOT Or
(ENTRY Or 2 In ABSOT And
Entry Of 1 In BUS And Current
R_P EQUALS BUSLST) THEN GoTo HRCK8

2)   If Entry Of 3 In RET1 GoTo HRCK8

3)   IF ENTRY In HRUSLT IS 0-34 Hours
GoTo HRCK4-C

4)   If Entry In HRUSLT IS 35+ GoTo HROFF1

5)   All Others GoTo HRCK4-C

6)   GoTo PUHRCK4

PUHRCK4   2   CHECK ITEM 4   (263 - 264)

VALID ENTRIES

1)   If Entry Of 1, D, R Or V
IN HRFTPT THEN GoTo HRACT1

2)   If Entry Of 2, D Or R In BUS2 Then
GoTo HROFF1

3)   IF HRUSLT IS 0-34 Then GoTo HRWANT

4)   If Entry Of 2 In HRFTPT Then
GoTo HRWANT

5)   All Others GoTo HRACT1

NAME	SIZE	DESCRIPTION	LOCATION

PUHRCK5   2   CHECK ITEM 5   (265 - 266)

VALID ENTRIES

1)   If Entry Of 1 In MJOT GoTo HRACT2
2)   All Others GoTo HRCK6-C

PUHRCK6   2   CHECK ITEM 6   (267 - 268)

VALID ENTRIES

1)   If HRACT1 And HRACT2 EQ 0 And
Entry Of 2, D, R In BUS2 Then GoTo LK
2)   IF HRACT1 And HRACT2 EQ 0 Then
Store 1 In ABSOT And GoTo ABSRSN
3)   All Others GoTo HRACTT-C

PUHRCK7   2   CHECK ITEM 7   (269 - 270)

VALID ENTRIES

1)   (If Entry Of 2, D Or R In BUS2) And
(HRACT1 Less Than 15 Or D) GoTo HRCK8
2)   (If Entry Of 2, D Or R In BUS2) And
(HRACT1 IS 15+) GoTo HRCK8
3)   (IF HRUSLT IS 35+ Or If Entry Of 1
IN HRFTPT) And (HRACTT < 35) And
ENTRY In HRACT1 Or HRACT2
Isn't D Or R Then GoTo HRRSN3
4)   If Entry Of 1 In HRWANT And
HRACTT < 35 And (ENTRY Of 1, 2, 3
IN HRRSN1) GoTo HRAVL
5)   All Others GoTo HRCK8

PUHRCK12   2   CHECK ITEM 12   (271 - 272)

VALID ENTRIES

1)   If Entry Of 2, D Or R In BUS2
And HRACTT Is Less Than 15
Or D GoTo LK
2)   All Others GoTo IOCK1

PULAYDT   2   HAS YOUR EMPLOYER GIVEN YOU A DATE
TO RETURN TO WORK?   (273 - 274)

VALID ENTRIES

1   Yes
2   No

NAME	SIZE	DESCRIPTION	LOCATION

PULAY6M 2 HAVE YOU BEEN GIVEN ANY INDICATION
THAT YOU WILL BE RECALLED TO WORK WITHIN
THE NEXT 6 MONTHS? (275 - 276)

VALID ENTRIES

1 Yes
2 No

PELAYAVL 2 COULD YOU HAVE RETURNED TO WORK
LAST WEEK IF YOU HAD BEEN RECALLED? (277 - 278)

EDITED UNIVERSE: PEMLR = 3

VALID ENTRIES

1 Yes
2 No

PULAYAVR 2 WHY IS THAT? (279 - 280)

VALID ENTRIES

1 Own Temporary Illness
2 Going To School
3 Other

PELAYLK 2 EVEN THOUGH YOU ARE TO BE CALLED BACK
TO WORK, HAVE YOU BEEN LOOKING FOR WORK
DURING THE LAST 4 WEEKS. (281 - 282)

EDITED UNIVERSE: PELAYAVL = 1, 2

VALID ENTRIES

1 Yes
2 No

PELAYDUR 3 DURATION Of LAYOFF (283 - 285)

EDITED UNIVERSE: PELAYLK = 1, 2

VALID ENTRIES

1 Min Value
260 Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PELAYFTO	2	FT/PT STATUS Of JOB FROM WHICH SAMPLE PERSON WAS ON LAYOFF FROM	(286 - 287)

EDITED UNIVERSE: PELAYDUR = 0-120

VALID ENTRIES

1   Yes
2   No

| PULAYCK1 | 2 | CHECK ITEM 1 | (288 - 289) |

VALID ENTRIES

1   GoTo PULAYCK3
2   GoTo PULAYFT
3   GoTo PULAYDR

| PULAYCK2 | 2 | CHECK ITEM 2 | (290 - 291) |

Screen For Dependent Layoff

VALID ENTRIES

1   GoTo PULAYDR3
2   GoTo PULAYFT

| PULAYCK3 | 2 | CHECK ITEM 3 FILTER FOR DEPENDENT I & O | (292 - 293) |

VALID ENTRIES

1   MISCK = 5 GoTo IO1INT
2   I-ICR = 1 Or I-OCR = 1, GoTo IO1INT
3   All Others GoTo SCHCK

| PULK | 2 | HAVE YOU BEEN DOING ANYTHING TO FIND WORK DURING THE LAST 4 WEEKS? | (294 - 295) |

VALID ENTRIES

1   Yes
2   No
3   Retired
4   Disabled
5   Unable To Work

NAME	SIZE	DESCRIPTION	LOCATION
PELKM1	2	WHAT ARE ALL Of THE THINGS YOU HAVE DONE TO FIND WORK DURING THE LAST 4 WEEKS?	(296 - 297)

EDITED UNIVERSE: PEMLR = 4

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Public Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
12	Nothing
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKM2	2	ANYTHING ELSE?	(298 - 299)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKM2	2	SAME AS PULKM2	(300 - 301)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKM4	2	SAME AS PULKM2	(302 - 303)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKM5	2	SAME AS PULKM2	(304 - 305)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKM6	2	SAME AS PULKM2	(306 - 307)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION

PULKDK1   2   YOU SAID YOU HAVE BEEN TRYING TO   (308 - 309)
FIND WORK. HOW DID YOU GO ABOUT LOOKING?

VALID ENTRIES

1   Contacted Employer Directly/Interview
2   Contacted Pulbic Employment Agency
3   Contacted Private Employment Agency
4   Contacted Friends Or Relatives
5   Contacted School/University Empl Center
6   Sent Out Resumes/Filled Out Application
7   Checked Union/professional Registers
8   Placed Or Answered Ads
9   Other Active
10   Looked At Ads
11   Attended Job Training Programs/Courses
12   Nothing
13   Other Passive

PULKDK2   2   ANYTHING ELSE?   (310 - 311)

VALID ENTRIES

1   Contacted Employer Directly/Interview
2   Contacted Pulbic Employment Agency
3   Contacted Private Employment Agency
4   Contacted Friends Or Relatives
5   Contacted School/University Empl Center
6   Sent Out Resumes/Filled Out Application
7   Checked Union/professional Registers
8   Placed Or Answered Ads
9   Other Active
10   Looked At Ads
11   Attended Job Training Programs/Courses
13   Other Passive

PULKDK3   2   SAME AS PULKDK2   (312 - 313)

VALID ENTRIES

1   Contacted Employer Directly/Interview
2   Contacted Pulbic Employment Agency
3   Contacted Private Employment Agency
4   Contacted Friends Or Relatives
5   Contacted School/University Empl Center
6   Sent Out Resumes/Filled Out Application
7   Checked Union/professional Registers
8   Placed Or Answered Ads
9   Other Active
10   Looked At Ads
11   Attended Job Training Programs/Courses
13   Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKDK4	2	SAME AS PULKDK2	(314 - 315)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKDK5	2	SAME AS PULKDK2	(316 - 317)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKDK6	2	SAME AS PULKDK2	(318 - 319)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKPS1	2	CAN YOU TELL ME MORE ABOUT WHAT YOU DID TO SEARCH FOR WORK?	(320 - 321)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
12	Nothing
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKPS2	2	ANYTHING ELSE?	(322 - 323)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKPS3	2	SAME AS PULKPS2	(324 - 325)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKPS4	2	SAME AS PULKPS2	(326 - 327)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKPS5	2	SAME AS PULKPS2	(328 - 329)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION
PULKPS6	2	SAME AS PULKPS2	(330 - 331)

VALID ENTRIES

1	Contacted Employer Directly/Interview
2	Contacted Pulbic Employment Agency
3	Contacted Private Employment Agency
4	Contacted Friends Or Relatives
5	Contacted School/University Empl Center
6	Sent Out Resumes/Filled Out Application
7	Checked Union/Professional Registers
8	Placed Or Answered Ads
9	Other Active
10	Looked At Ads
11	Attended Job Training Programs/Courses
13	Other Passive

NAME	SIZE	DESCRIPTION	LOCATION

PELKAVL 2 LAST WEEK, COULD YOU HAVE STARTED A JOB IF ONE HAD BEEN OFFERED? (332 - 333)

EDITED UNIVERSE: PELKM1 = 1 - 13

VALID ENTRIES

1   Yes
2   No

PULKAVR 2 WHY IS THAT? (334 - 335)

VALID ENTRIES

1   Waiting For New Job To Begin
2   Own Temporary Illness
3   Going To School
4   Other - Specify

PELKLL1O 2 BEFORE YOU STARTED LOOKING FOR WORK, WHAT WERE YOU DOING: WORKING, GOING TO SCHOOL, Or SOMETHING ELSE? (336 - 337)

EDITED UNIVERSE: PELKAVL = 1-2

VALID ENTRIES

1   Working
2   School
3   Left Military Service
4   Something Else

PELKLL2O 2 DID YOU LOSE Or QUIT THAT JOB, Or WAS IT A TEMPORARY JOB THAT ENDED? (338 - 339)

EDITED UNIVERSE: PELKLL1O = 1 Or 3

VALID ENTRIES

1   Lost Job
2   Quit Job
3   Temporary Job Ended

PELKLWO 2 WHEN LAST WORKED (340 - 341)

EDITED UNIVERSE: PELKLL1O = 1 - 4

VALID ENTRIES

1   Within The Last 12 Months
2   More Than 12 Months Ago
3   Never Worked

NAME	SIZE	DESCRIPTION	LOCATION
PELKDUR	3	DURATION Of JOB SEEKING	(342 - 344)

EDITED UNIVERSE: PELKLWO = 1 - 3

VALID ENTRIES

0	Min Value
999	Max Value

PELKFTO	2	FT/PT STATUS Of JOBSEEKER	(345 - 346)

EDITED UNIVERSE: PELKDUR = 0-120

VALID ENTRIES

1	Yes
2	No
3	Doesn't Matter

PEDWWNTO	2	DO YOU CURRENTLY WANT A JOB, EITHER FULL Or PART TIME?	(347 - 348)

EDITED UNIVERSE: PUDWCK1 = 3, 4, -1

VALID ENTRIES

1	Yes, Or Maybe, It Depends
2	No
3	Retired
4	Disabled
5	Unable

PEDWRSN	2	WHAT IS THE MAIN REASON YOU WERE NOT LOOKING FOR WORK DURING THE LAST 4 WEEKS?	(349 - 350)

EDITED UNIVERSE: PUDWCK4 = 4, -1

VALID ENTRIES

1	Believes No Work Available In Area Of Expertise
2	Couldn't Find Any Work
3	Lacks Necessary Schooling/Training
4	Employers Think Too Young Or Too Old
5	Other Types Of Discrimination
6	Can't Arrange Child Care
7	Family Responsibilities
8	In School Or Other Training
9	Ill-health, Physical Disability
10	Transportation Problems
11	Other - Specify

NAME	SIZE	DESCRIPTION	LOCATION
PEDWLKO	2	DID YOU LOOK FOR WORK AT ANY TIME IN THE LAST 12 MONTHS	(351 - 352)

EDITED UNIVERSE: (PUDWCK4 = 1-3) or (PEDWRSN = 1-11)

VALID ENTRIES

1   Yes
2   No

| PEDWWK | 2 | DID YOU ACTUALLY WORK AT A JOB Or BUSINESS DURING THE LAST 12 MONTHS? | (353 - 354) |

EDITED UNIVERSE: PEDWLKO = 1

VALID ENTRIES

1   Yes
2   No

| PEDW4WK | 2 | DID YOU DO ANY Of THIS WORK DURING THE LAST 4 WEEKS? | (355 - 356) |

EDITED UNIVERSE: PEDWWK = 1

VALID ENTRIES

1   Yes
2   No

| PEDWLKWK | 2 | SINCE YOU LEFT THAT JOB Or BUSINESS HAVE YOU LOOKED FOR WORK? | (357 - 358) |

EDITED UNIVERSE: PEDW4WK = 2

VALID ENTRIES

1   Yes
2   No

| PEDWAVL | 2 | LAST WEEK, COULD YOU HAVE STARTED A JOB IF ONE HAD BEEN OFFERED? | (359 - 360) |

EDITED UNIVERSE: (PEDWWK = 2) or (PEDWLKWK = 1)

VALID ENTRIES

1   Yes
2   No

NAME	SIZE	DESCRIPTION	LOCATION
PEDWAVR	2	WHY IS THAT?	(361 - 362)

EDITED UNIVERSE: PEDWAVL = 2

VALID ENTRIES

1   Own Temporary Illness
2   Going To School
3   Other

NAME	SIZE	DESCRIPTION	LOCATION
PUDWCK1	2	SCREEN FOR DISCOURAGED WORKERS	(363 - 364)

VALID ENTRIES

1)   If Entry Of 2 In BUS2 GoTo PUSCHCK
2)   If Entry Of 3 ON ABSRSN GoTo PUNLFCK1
3)   If Entry Of 1 In RET1, Store 1 In DWWNTO
And GoTo PUDWCK4
4)   All Others GoTo PUDWWNT

NAME	SIZE	DESCRIPTION	LOCATION
PUDWCK2	2	SCREEN FOR DISABLED	(365 - 366)

VALID ENTRIES

1)   If Entry In DIS1 Or DIS2 GoTo PUJHCK1-C
2)   If Entry Of 4 In DWWNT GoTo PUDIS1
3)   If Entry Of 5 In DWWNT GoTo PUDIS2
4)   All Others GoTo PUDWCK4

NAME	SIZE	DESCRIPTION	LOCATION
PUDWCK3	2	FILTER FOR RETIRED	(367 - 368)

VALID ENTRIES

1)   If Agerng Equals 1-4 Or 9 GoTo PUDWCK4
2)   All Others GoTo PUNLFCK2

NAME	SIZE	DESCRIPTION	LOCATION
PUDWCK4	2	FILTER FOR PASSIVE JOB SEEKERS	(369 - 370)

VALID ENTRIES

1)   If Entry Of 10 AND/OR 11 AND/OR 13
Only In LKM1-LKM3 GoTo PUDWCK5
2)   If Entry Of 10 AND/OR 11 And/Or 13
Only In LKDK1-LKDK3 GoTo PUDWCK5
3)   If Entry Of 10 And/Or 11 And/Or 13
ONLY In LKPS1-LKPS3 GoTo PUDWCK5
4)   All Others GoTo PUDWRSN

NAME	SIZE	DESCRIPTION	LOCATION
PUDWCK5	2	FILTER FOR PASSIVE JOB SEEKERS	(371 - 372)

VALID ENTRIES

1)   If Entry Of 1 In LK Then Store 1
In DWLKO And GoTo PUDWWK
2)   All Others GoTo PUDWLK

NAME	SIZE	DESCRIPTION	LOCATION
PEJHWKO	2	HAVE YOU WORKED AT A JOB OR BUSINESS AT ANY TIME DURING THE PAST 12 MONTHS?	(373 - 374)

EDITED UNIVERSE: HRMIS = 4 or 8 AND
PEMLR = 5, 6, AND 7

VALID ENTRIES

1   Yes
2   No

| PUJHDP1O | 2 | DID YOU DO ANY Of THIS WORK IN THE LAST 4 WEEKS? | (375 - 376) |

VALID ENTRIES

1   Yes
2   No

| PEJHRSN | 2 | WHAT IS THE MAIN REASON YOU LEFT YOUR LAST JOB? | (377 - 378) |

EDITED UNIVERSE: PEJHWKO = 1

VALID ENTRIES

1   Personal/Family (Including Pregnancy)
2   Return To School
3   Health
4   Retirement Or Old Age
5   Temp, Seasonal Or Intermittent Job Complete
6   Slack Work/Business Conditions
7   Unsatisfactory Work Arrangements (Hrs, Pay, Etc.)
8   Other - Specify

| PEJHWANT | 2 | DO YOU INTEND TO LOOK FOR WORK DURING THE NEXT 12 MONTHS? | (379 - 380) |

EDITED UNIVERSE: (PEJHWKO = 2) or (PEJHRSN = 1-8)

VALID ENTRIES

1   Yes, Or It Depends
2   No

| PUJHCK1 | 2 | FILTER FOR OUTGOING ROTATIONS | (381 - 382) |

VALID ENTRIES

1)   If MISCK Equals 4 Or 8
       Then GoTo PUJHCK2
2)   All Others GoTo PUNLFCK1

NAME	SIZE	DESCRIPTION	LOCATION
PUJHCK2	2	FILTER FOR PERSONS GOING THROUGH THE I AND O SERIES	(383 - 384)

VALID ENTRIES

1)   If Entry Of 1 In DWWK And I-MLR = 3, 4
         Then Store 1 In JHWKO, Store
         DW4WK In JHDP1O And GoTo PUJHRSN
2)   If Entry Of 2, D Or R In DWWK Then Store
         DWWK In JHWKO And GoTo PUJHWANT
3)   All Others GoTo PUJHWK

NAME	SIZE	DESCRIPTION	LOCATION
PRABSREA	2	REASON NOT AT WORK AND PAY STATUS	(385 - 386)

EDITED UNIVERSE: PEMLR = 2

VALID ENTRIES

1	FT Paid-Vacation
2	FT Paid-Own Illness
3	FT Paid-Child Care Problems
4	FT Paid-Other Family/Personal Oblig.
5	FT Paid-Maternity/Paternity Leave
6	FT Paid-Labor Dispute
7	FT Paid-Weather Affected Job
8	FT Paid-School/Training
9	FT Paid-Civic/Military Duty
10	FT Paid-Other
11	FT Unpaid-Vacation
12	FT Unpaid-Own Illness
13	FT Unpaid-Child Care Problems
14	FT Unpaid-Other Fam/Personal Obligation
15	FT Unpaid-Maternity/Paternity Leave
16	FT Unpaid-Labor Dispute
17	FT Unpaid-Weather Affected Job
18	FT Unpaid-School/Training
19	FT Unpaid-Civic/Military Duty
20	FT Unpaid-Other
22	PT Paid-Own Illness
23	PT Paid-Child Care Problems
24	PT Paid-Other Family/Personal Oblig.
25	PT Paid-Maternity/Paternity Leave
26	PT Paid-Labor Dispute
27	PT Paid-Weather Affected Job
28	PT Paid-School/training
29	PT Paid-Civic/Military Duty
30	PT Paid-Other
31	PT Unpaid-Vacation
32	PT Unpaid-Own Illness
33	PT Unpaid-Child Care Problems
34	PT Unpaid-Other Fam/personal Obligation
35	PT Unpaid-Maternity/Paternity Leave
36	PT Unpaid-Labor Dispute
37	PT Unpaid-Weather Affected Job
38	PT Unpaid-School/Training
39	PT Unpaid-Civic/Military Duty
40	PT Unpaid-Other

NAME	SIZE	DESCRIPTION	LOCATION
PRCIVLF	2	CIVILIAN LABOR FORCE	(387 - 388)

EDITED UNIVERSE: PEMLR = 1-7

VALID ENTRIES

01   In Civilian Labor Force
02   Not In Civilian Labor Force

NAME	SIZE	DESCRIPTION	LOCATION
PRDISC	2	DISCOURAGED WORKER RECODE	(389 - 390)

EDITED UNIVERSE: PRJOBSEA = 1-4

VALID ENTRIES

1   Discouraged Worker
2   Conditionally Interested
3   Not Available

NAME	SIZE	DESCRIPTION	LOCATION
PREMPHRS	2	REASON NOT AT WORK Or HOURS AT WORK	(391 - 392)

EDITED UNIVERSE: PEMLR = 1-7

VALID ENTRIES

0   Unemployed And NILF
1   W/Job, Not At Work-Illnes
2   W/Job, Not At Work-Vacation
3   W/Job, Not At Work-Weather Affected Job
4   W/Job, Not At Work-Labor Dispute
5   W/Job, Not At Work-Child Care Problems
6   W/Job, Not At Work-Fam/Pers Obligation
7   W/Job, Not At Work-Maternity/Paternity
8   W/Job, Not At Work-School/Training
9   W/Job, Not At Work-Civic/Military Duty
10   W/Job, Not At Work-Does Not Work In Bus
11   W/Job, Not At Work-Other
12   At Work- 1-4 Hrs
13   At Work- 5-14 Hrs
14   At Work- 15-21 Hrs
15   At Work- 22-29 Hrs
16   At Work- 30-34 Hrs
17   At Work- 35-39 Hrs
18   At Work- 40 Hrs
19   At Work- 41-47 Hrs
20   At Work- 48 Hrs
21   At Work- 49-59 Hrs
22   At Work- 60 Hrs Or More

NAME	SIZE	DESCRIPTION	LOCATION
PREMPNOT	2	MLR - EMPLOYED, UNEMPLOYED, OR NILF	(393 - 394)

EDITED UNIVERSE: PEMLR = 1-7

VALID ENTRIES

1   Employed
2   Unemployed
3   Not In Labor Force (NILF)-Discouraged
4   Not In Labor Force (NILF)-Other

NAME	SIZE	DESCRIPTION	LOCATION
PREXPLF	2	EXPERIENCED LABOR FORCE EMPLOYMENT	(395 - 396)

EDITED UNIVERSE: PEMLR = 1-4 AND
PELKLWO ne 3

VALID ENTRIES

1   Employed
2   Unemployed

NAME	SIZE	DESCRIPTION	LOCATION
PRFTLF	2	FULL TIME LABOR FORCE	(397 - 398)

EDITED UNIVERSE: PEMLR = 1-4

VALID ENTRIES

1   Full Time Labor Force
2   Part Time Labor Force

NAME	SIZE	DESCRIPTION	LOCATION
PRHRUSL	2	USUAL HOURS WORKED WEEKLY	(399 - 400)

EDITED UNIVERSE: PEMLR = 1-2

VALID ENTRIES

1   0-20 Hrs
2   21-34 Hrs
3   35-39 Hrs
4   40 Hrs
5   41-49 Hrs
6   50 Or More Hrs
7   Varies-Full Time
8   Varies-Part Time

NAME	SIZE	DESCRIPTION	LOCATION
PRJOBSEA	2	JOB SEARCH RECODE	(401 - 402)

EDITED UNIVERSE: PRWNTJOB = 1

VALID ENTRIES

1   Looked Last 4 Weeks - Not Worked
2   Looked Last 4 Weeks - Worked
3   Looked Last 4 Weeks - Layoff
4   Unavailable Job Seekers
5   No Recent Job Search

NAME	SIZE	DESCRIPTION	LOCATION
PRPTHRS	2	AT WORK 1-34 BY HOURS AT WORK	(403 - 404)

EDITED UNIVERSE: PEMLR = 1 AND PEHRACTT = 1-34

VALID ENTRIES

0	Usualy FT, PT For Noneconomic Reasons
1	Usu.FT, PT Econ Reasons; 1-4 Hrs
2	Usu.FT, PT Econ Reasons; 5-14 Hrs
3	Usu.FT, PT Econ Reasons; 15-29 Hrs
4	Usu.FT, PT Econ Reasons; 30-34 Hrs
5	Usu.PT, Econ Reasons; 1-4 Hrs
6	Usu.PT, Econ Reasons; 5-14 Hrs
7	Usu.PT, Econ Reasons; 15-29 Hrs
8	Usu.PT, Econ Reasons; 30-34 Hrs
9	Usu.PT, Non-econ Reasons; 1-4 Hrs
10	Usu.PT, Non-econ Reasons; 5-14 Hrs
11	Usu.PT, Non-econ Reasons; 15-29 Hrs
12	Usu.PT, Non-econ Reasons; 30-34 Hrs

NAME	SIZE	DESCRIPTION	LOCATION
PRPTREA	2	DETAILED REASON FOR PART-TIME	(405 - 406)

EDITED UNIVERSE: PEMLR = 1 And
(PEHRUSLT = 0-34 Or PEHRACTT = 1-34)

VALID ENTRIES

1	Usu. FT-Slack Work/Business Conditions
2	Usu. FT-Seasonal Work
3	Usu. FT-Job Started/Ended During Week
4	Usu. FT-Vacation/Personal Day
5	Usu. FT-Own Illness/Injury/Medical Appointment
6	Usu. FT-Holiday (Religious Or Legal)
7	Usu. FT-Child Care Problems
8	Usu. FT-Other Fam/Pers Obligations
9	Usu. FT-Labor Dispute
10	Usu. FT-Weather Affected Job
11	Usu. FT-School/Training
12	Usu. FT-Civic/Military Duty
13	Usu. FT-Other Reason
14	Usu. PT-Slack Work/business Conditions
15	Usu. PT-Could Only Find PT Work
16	Usu. PT-Seasonal Work
17	Usu. PT-Child Care Problems
18	Usu. PT-Other Fam/Pers Obligations
19	Usu. PT-Health/Medical Limitations
20	Usu. PT-School/Training
21	Usu. PT-Retired/S.S. Limit On Earnings
22	Usu. PT-Workweek <35 Hours
23	Usu. PT-Other Reason

NAME	SIZE	DESCRIPTION	LOCATION
PRUNEDUR	3	DURATION Of UNEMPLOYMENT FOR LAYOFF And LOOKING RECORDS	(407 - 409)

EDITED UNIVERSE: PEMLR = 3-4

VALID ENTRIES

0	Min Value
999	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PRUSFTPT	2	USUAL FULLTIME/PARTTIME STATUS	(410 - 411)

EDITED UNIVERSE: PEMLR = 1-2

VALID ENTRIES

1	Full Time
2	Part Time
3	Status Unknown

NAME	SIZE	DESCRIPTION	LOCATION
PRUNTYPE	2	REASON FOR UNEMPLOYMENT	(412 - 413)

EDITED UNIVERSE: PEMLR = 3-4

VALID ENTRIES

1	Job Loser/On Layoff
2	Other Job Loser
3	Temporary Job Ended
4	Job Leaver
5	Re-Entrant
6	New-Entrant

NAME	SIZE	DESCRIPTION	LOCATION
PRWKSCH	2	LABOR FORCE BY TIME WORKED Or LOST	(414 - 415)

EDITED UNIVERSE: PEMLR = 1 - 7

VALID ENTRIES

0	Not In Labor Force
1	At Work
2	With Job, Not At Work
3	Unemployed, Seeks Ft
4	Unemployed, Seeks Pt

NAME	SIZE	DESCRIPTION	LOCATION
PRWKSTAT	2	FULL/PART-TIME WORK STATUS	(416 - 417)

EDITED UNIVERSE: PEMLR = 1-7

VALID ENTRIES

1	Not In Labor Force
2	FT Hours (35+), Usually FT
3	PT For Economic Reasons, Usually FT
4	PT For Non-Economic Reasons, Usually FT
5	Not At Work, Usually Ft
6	PT Hrs, Usually PT For Economic Reasons
7	PT Hrs, Usually PT For Non-Economic Reasons
8	FT Hours, Usually PT For Economic Reasons
9	FT Hours, Usually PT For Non-Economic
10	Not At Work, Usually Part-time
11	Unemployed FT
12	Unemployed PT

NAME	SIZE	DESCRIPTION	LOCATION
PRWNTJOB	2	NILF RECODE - WANT A JOB Or OTHER NILF	(418 - 419)

EDITED UNIVERSE: PEMLR = 5-7

VALID ENTRIES

1	Want A Job
2	Other Not In Labor Force

NAME	SIZE	DESCRIPTION	LOCATION
PUJHCK3	2	JOB HISTORY CHECK ITEM	(420 - 421)

VALID ENTRIES

1)	If I-MLR EQ 3 Or 4 Then GoTo PUJHDP1
2)	All Others GoTo PUJHRSN

NAME	SIZE	DESCRIPTION	LOCATION
PUJHCK4	2	SCREEN FOR DEPENDENT NILF	(422 - 423)

VALID ENTRIES

1)	If Entry Of 2, D Or R In PUDW4WK Or In PUJHDP1O Then GoTo PUJHCK5
2)	If Entry Of 1 In PUDW4WK Or In PUJHDP10 Then GoTo PUIO1INT
3)	IF I-MLR EQUALS 1 Or 2 And Entry In PUJHRSN Then GoTo PUJHCK5
4)	If Entry In PUJHRSN Then GoTo PUIO1INT
5)	All Others GoTo PUNLFCK1

NAME	SIZE	DESCRIPTION	LOCATION
PUJHCK5	2	SCREEN FOR DEPENDENT NILF	(424 - 425)

VALID ENTRIES

1)	IF I-IO1ICR Equals 1 Or I-IO1OCR EQUALS 1 Then GoTo PUIO1INT
2)	All Others GoTo PUIOCK5

NAME	SIZE	DESCRIPTION	LOCATION

PUIODP1 2 LAST MONTH, IT WAS REPORTED THAT YOU   (426 - 427)
WORKED FOR (EMPLOYER'S NAME). DO
STILL WORK FOR (EMPLOYER'S NAME)
(AT YOUR MAIN JOB)?

VALID ENTRIES

1   Yes
2   No

PUIODP2 2 HAVE THE USUAL ACTIVITIES AND DUTIES   (428 - 429)
OF YOUR JOB CHANGED SINCE LAST MONTH?

VALID ENTRIES

1   Yes
2   No

PUIODP3 2 LAST MONTH YOU WERE REPORTED AS (A/AN)   (430 - 431)
(OCCUPATION) AND YOUR USUAL ACTIVITIES WERE
(DESCRIPTION). IS THIS AN ACCURATE
DESCRIPTION Of YOUR CURRENT JOB?

VALID ENTRIES

1   Yes
2   No

PEIO1COW 2 INDIVIDUAL CLASS Of WORKER CODE   (432 - 433)
ON FIRST JOB

Note: A Peio1cow Code Can Be Assigned
Even If An Individual Is Not Currently
Employed.

EDITED UNIVERSE: (PEMLR = 1-3)
OR (PEMLR = 4 AND PELKLWO = 1-2)
OR (PEMLR = 5 AND (PENLFJH = 1 OR PEJHWKO = 1)
OR (PEMLR = 6 AND PENLFJH = 1) OR (PEMLR = 7
AND PEJHWKO = 1)

VALID ENTRIES

1   Government - Federal
2   Government - State
3   Government - Local
4   Private, For Profit
5   Private, Nonprofit
6   Self-employed, Incorporated
7   Self-employed, Unincorporated
8   Without Pay

NAME	SIZE	DESCRIPTION	LOCATION
PUIO1MFG	2	IS THIS BUSINESS OR ORGANIZATION MAINLY MANUFACTURING, RETAIL TRADE, WHOLESALE TRADE, OR SOMETHING ELSE?	(434 - 435)

VALID ENTRIES

1	Manufacturing
2	Retail Trade
3	Wholesale Trade
4	Something Else

NAME	SIZE	DESCRIPTION	LOCATION
PEIO1ICD	3	INDUSTRY CODE FOR PRIMARY JOB	(436 - 438)

EDITED UNIVERSE: (PEMLR = 1-3)
OR (PEMLR = 4 AND PELKLWO = 1-2)
OR (PEMLR = 5 AND (PENLFJH = 1 Or
PEJHWKO = 1)) OR (PEMLR = 6
AND PENLFJH = 1)
OR (PEMLR = 7 And PEJHWKO=1)

VALID ENTRIES

0	Min Value
999	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEIO1OCD	3	OCCUPATION CODE FOR PRIMARY JOB.	(439 - 441)

EDITED UNIVERSE: (PEMLR = 1-3)
OR (PEMLR = 4 And PELKLWO = 1-2)
OR (PEMLR = 5 And (PENLFJH = 1 OR
PEJHWKO = 1)) OR (PEMLR = 6
And PENLFJH = 1) OR (PEMLR = 7
And PEJHWKO = 1)

VALID ENTRIES

0	Min Value
999	Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEIO2COW	2	INDIVIDUAL CLASS OF WORKER ON SECOND JOB.	(442 - 443)

Note: For Those Self-employed Unincorporated
On Their First Job, This Should Have A Response
Every Month. For All Others, This Should Only
Have A Value In Out-going Rotations.

EDITED UNIVERSE: PEMJOT = 1
AND (HRMIS = 4,8 Or PEIO1COW = 7,8)

VALID ENTRIES

1	Government - Federal
2	Government - State
3	Government - Local
4	Private, For Profit

NAME	SIZE	DESCRIPTION	LOCATION

PEIO2COW   2   INDIVIDUAL CLASS OF WORKER ON SECOND JOB.–Con.

5	Private, Nonprofit	
6	Self-employed, Incorporated	
7	Self-employed, Unincorporated	
8	Without Pay	
9	Unknown	
10	Government, Level Unknown	
11	Self-Employed, Incorp. Status Unknown	

PUIO2MFG   2   IS THIS BUSINESS Or ORGANIZATION MAINLY MANUFACTURING, RETAIL TRADE, WHOLESALE TRADE, OR SOMETHING ELSE?   (444 - 445)

VALID ENTRIES

1	Manufacturing
2	Retail Trade
3	Wholesale Trade
4	Something Else

PEIO2ICD   3   INDUSTRY CODE FOR SECOND JOB.   (446 - 448)

EDITED UNIVERSE: PEMJOT = 1 And HRMIS = 4 Or 8

VALID ENTRIES

0	Min Value
999	Max Value

PEIO2OCD   3   OCCUPATION CODE FOR SECOND JOB.   (449 - 451)

EDITED UNIVERSE: PEMJOT = 1 And HRMIS = 4 Or 8

VALID ENTRIES

0	Min Value
999	Max Value

PUIOCK1   2   I & O CHECK ITEM 1   (452 - 453)
SCREEN FOR DEPENDENT I And O

VALID ENTRIES

1)   If {MISCK EQ 1 Or 5)
Or MISCK EQ 2-4, 6-8 And I-MLR EQ 3-7)
And Entry Of 1 In ABS} Then GoTo PUIO1INT

2)   If (MISCK EQ 1 Or 5)
Or {(MISCK EQ 2-4, 6-8 And I-MLR EQ 3-7)
And (ENTRY Of 1 In WK Or HRCK7-C Is Blank, 1-3)}
GoTo PUIO1INT

3)   If I-IO1NAM IS D, R Or BLANK Then GoTo PUIO1INT

4)   All Others GoTo PUIODP1

NAME	SIZE	DESCRIPTION	LOCATION

PUIOCK2   2   I & O CHECK ITEM 2   (454 - 455)

Screen For Previous Months I And O Cases

VALID ENTRIES

1)   If I-IO1ICR EQ 1 Then GoTo PUIO1IND
2)   If I-IO1OCR EQ 1 Then GoTo PUIO1OCC
3)   All Others GoTo PUIODP2

PUIOCK3   2   I & O CHECK ITEM 3   (456 - 457)

VALID ENTRIES
1)   If I-IO1OCC Equals D, R Or Blank
Then GoTo PUIO1OCC
2)   IF I-IO1DT1 Is D, R Or Blank
Then GoTo PUIO1OCC
3)   All Others GoTo PUIODP3

PRIOELG   2   INDUSTRY And OCCUPATION ELIGIBILITY FLAG   (458 - 459)

EDITED UNIVERSE: PEMLR = 1-3,
OR (PEMLR = 4 AND PELKLWO = 1 OR 2)
OR (PEMLR = 5 AND
(PEJHWKO = 1 OR PENLFJH=1),
OR (PEMLR = 6 AND PENLFJH = 1),
OR PEMLR = 7 AND PEJHWKO = 1)

VALID ENTRIES

0   Not Eligible For Edit
1   Eligible For Edit

PRAGNA   2   AGRICULTURE/NON-AGRICULTURE INDUSTRY   (460 - 461)

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

1   Agricultural
2   Non-Agricultural

PRCOW1   2   CLASS OF WORKER RECODE - JOB 1   (462 - 463)

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

1   Federal Govt
2   State Govt
3   Local Govt
4   Private (Incl. Self-Employed Incorp.)
5   Self-Employed, Unincorp.
6   Without Pay

NAME	SIZE	DESCRIPTION	LOCATION

PRCOW2 2 CLASS OF WORKER RECODE - JOB 2 (464 - 465)

EDITED UNIVERSE: PRIOELG = 1
AND PEMJOT = 1 AND HRMIS = 4 OR 8

VALID ENTRIES

1 Federal Govt
2 State Govt
3 Local Govt
4 Private (Incl. Self-Employed Incorp.)
5 Self-Employed, Unincorp.
6 Without Pay

PRCOWPG 2 COW - PRIVATE OR GOVERNMENT (466 - 467)

EDITED UNIVERSE: PEIO1COW = 1 - 5

VALID ENTRIES

1 Private
2 Government

PRDTCOW1 2 DETAILED CLASS OF WORKER RECODE - JOB 1 (468 - 469)

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

1 Agri., Wage & Salary, Private
2 Agri., Wage & Salary, Government
3 Agri., Self-Employed
4 Agri., Unpaid
5 Nonag, WS, Private, Private Hhlds
6 Nonag, WS, Private, Other Private
7 Nonag, WS, Govt, Federal
8 Nonag, WS, Govt, State
9 Nonag, WS, Govt, Local
10 Nonag, Self-Employed
11 Nonag, Unpaid

PRDTCOW2 2 DETAILED CLASS OF WORKER RECODE - JOB 2 (470 - 471)

EDITED UNIVERSE: PRIOELG = 1
AND PEMJOT = 1 And HRMIS = 4 Or 8

VALID ENTRIES

1 Agri., Wage & Salary, Private
2 Agri., Wage & Salary, Government
3 Agri., Self-Employed
4 Agri., Unpaid
5 Nonag, WS, Private, Private Hhlds
6 Nonag, WS, Private, Other Private
7 Nonag, WS, Govt, Federal

NAME	SIZE	DESCRIPTION	LOCATION
PRDTCOW2	2	DETAILED CLASS OF WORKER RECODE - JOB 2–Con.	

8	Nonag, WS, Govt, State
9	Nonag, WS, Govt, Local
10	Nonag, Self-Employed
11	Nonag, Unpaid

NAME	SIZE	DESCRIPTION	LOCATION
PRDTIND1	2	DETAILED INDUSTRY RECODE - JOB 1	(472 - 473)

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

1	Goods Producing-Agricultural Services
2	Goods Producing-Other Agricultural
3	Mining
4	Construction
5	MFG-Lumber & Wood Prods, Ex Furniture
6	MFG-Furniture & Fixtures
7	MFG-Stone, Clay, Concrete, Glass Prods
8	MFG-Primary Metals
9	MFG-Fabricated Metals
10	MFG-Not Specified Metal Industries
11	MFG-Machinery, Ex Electrical
12	MFG-Electrical Machinery, Equip Supplies
13	MFG-Motor Vehicles & Equip
14	MFG-Aircraft & Parts
15	MFG-Other Transportation Equipment
16	MFG-Professional & Photo Equip, Watches
17	MFG-Toys, Amusement & Sporting Goods
18	MFG-Misc & Nec Mfg Industries
19	MFG-Food & Kindred Prods
20	MFG-Tobacco Prods
21	MFG-Textile Mill Prods
22	MFG-Apparel & Other Finished Textile Pr
23	MFG-Paper & Allied Products
24	MFG-Printing, Publishing & Allied Inds
25	MFG-Chemicals & Allied Prods
26	MFG-Petroleum & Coal Prods
27	MFG-Rubber & Misc Plastic Prods
28	MFG-Leather & Leather Prods
29	Transportation
30	Communications
31	Utilities & Sanitary Services
32	Wholesale Trade
33	Eating And Drinking Places
34	Other Retail Trade
35	Banking And Other Finance
36	Insurance And Real Estate
37	Private Household Services
38	Business Services
39	Automobile And Repair Services
40	Personal Serv Exc Private Households
41	Entertainment & Recreation Services
42	Hospitals

NAME	SIZE	DESCRIPTION	LOCATION
PRDTIND1	2	DETAILED INDUSTRY RECODE - JOB 1-Con.	

43 Health Services, Exc. Hospitals
44 Educational Services
45 Social Services
46 Other Professional Services
47 Forestry & Fisheries
48 Justice, Public Order & Safety
49 Admin Of Human Resource Programs
50 National Security & Internal Affairs
51 Other Public Administration
52 Armed Forces

NAME	SIZE	DESCRIPTION	LOCATION
PRDTIND2	2	DETAILED INDUSTRY RECODE - JOB 2	(474 - 475)

EDITED UNIVERSE: PRIOELG = 1
AND PEMJOT = 1 And HRMIS = 4 Or 8

VALID ENTRIES

1 Goods Producing-Agricultural Services
2 Goods Producing-Other Agricultural
3 Mining
4 Construction
5 MFG-Lumber & Wood Prods, Ex Furniture
6 MFG-Furniture & Fixtures
7 MFG-Stone, Clay, Concrete, Glass Prods
8 MFG-Primary Metals
9 MFG-Fabricated Metals
10 MFG-Not Specified Metal Industries
11 MFG-Machinery, Ex Electrical
12 MFG-Electrical Machinery, Equip Supplies
13 MFG-Motor Vehicles & Equip
14 MFG-Aircraft & Parts
15 MFG-Other Transportation Equipment
16 MFG-Professional & Photo Equip, Watches
17 MFG-Toys, Amusement & Sporting Goods
18 MFG-Misc & Nec Mfg Industries
19 MFG-Food & Kindred Prods
20 MFG-Tobacco Prods
21 MFG-Textile Mill Prods
22 MFG-Apparel & Other Finished Textile Pr
23 MFG-Paper & Allied Products
24 MFG-Printing, Publishing & Allied Inds
25 MFG-Chemicals & Allied Prods
26 MFG-Petroleum & Coal Prods
27 MFG-Rubber & Misc Plastic Prods
28 MFG-Leather & Leather Prods
29 Transportation
30 Communications
31 Utilities & Sanitary Services
32 Wholesale Trade
33 Eating And Drinking Places
34 Other Retail Trade
35 Banking And Other Finance

NAME	SIZE	DESCRIPTION	LOCATION
PRDTIND2	2	DETAILED INDUSTRY RECODE - JOB 2-Con.	

36	Insurance And Real Estate
37	Private Household Services
38	Business Services
39	Automobile And Repair Services
40	Personal Serv Exc Private Households
41	Entertainment & Recreation Services
42	Hospitals
43	Health Services, Exc. Hospitals
44	Educational Services
45	Social Services
46	Other Professional Services
47	Forestry & Fisheries
48	Justice, Public Order & Safety
49	Admin Of Human Resource Programs
50	National Security & Internal Affairs
51	Other Public Administration
52	Armed Forces

NAME	SIZE	DESCRIPTION	LOCATION
PRDTOCC1	2	DETAILED OCCUPATION RECODE - JOB 1	(476 - 477)

EDITED UNIVERSE: PRIOELG = 1

VALID ENTRIES

1	Officials & Administrators, Public Admin.
2	Other Executive, Admin. & Managerial
3	Management Related Occupations
4	Engineers
5	Mathematical And Computer Scientists
6	Natural Scientists
7	Health Diagnosing Occupations
8	Health Assessment And Treatment Occupations
9	Teachers, College And University
10	Teachers, Except College And University
11	Lawyers And Judges
12	Other Professional Specialty Occupations
13	Health Technologists And Technicians
14	Engineering And Science Technicians
15	Technicians, Except Health, Engineering, And Science
16	Supervisors And Proprietors, Sales Occupations
17	Sales Reps, Finance And Business Services
18	Sales Reps, Commodities, Except Retail
19	Sales Workers, Retail & Personal Services
20	Sales Related Occupations
21	Supervisors, Administrative Support
22	Computer Equiptment Operators
23	Secretaries, Stenographers, And Typists
24	Financial Records Processing
25	Mail And Message Distribution
26	Other Admin. Support, Including Clerical
27	Private Household Service Occupations
28	Protective Service
29	Food Service

NAME	SIZE	DESCRIPTION	LOCATION
PRDTOCC1	2	DETAILED OCCUPATION RECODE - JOB 1-Con.	

30 Health Service
31 Cleaning And Building Service
32 Personal Service
33 Mechanics And Repairers
34 Construction Trades
35 Other Precision Production, Craft, And Repair
36 Machine Operators, And Tenders, Except Precision
37 Fabricators, Assemblers, Inspectors, Samplers
38 Motor Vehicle Operators
39 Other Transportation And Material Moving Occupations
40 Construction Laborers
41 Freight, Stock, & Materials Handlers
42 Other Handlers, Equipt. Cleaners, Helpers, Laborers
43 Farm Operators And Managers
44 Farm Workers And Related Occupations
45 Forestry And Fishing Occupations
46 Armed Forces

| PRDTOCC2 | 2 | DETAILED OCCUPATION RECODE | (478 - 479) |

EDITED UNIVERSE: PRIOELG = 1
AND PEMJOT = 1 AND HRMIS = 4 Or 8

VALID ENTRIES

1 Officials & Administrators, Public Admin.
2 Other Executive, Admin. & Managerial
3 Management Related Occupations
4 Engineers
5 Mathematical And Computer Scientists
6 Natural Scientists
7 Health Diagnosing Occupations
8 Health Assessment And Treatment Occupations
9 Teachers, College And University
10 Teachers, Except College And University
11 Lawyers And Judges
12 Other Professional Specialitu Occupations
13 Health Technologists And Technicians
14 Engineering And Science Technicians
15 Technicians, Except Health, Engineering, And Science
16 Supervisors And Proprietors, Sales Occupations
17 Sales Reps, Finance And Business Services
18 Sales Reps, Commodities, Except Retail
19 Sales Workers, Retail & Personal Services
20 Sales Related Occupations
21 Supervisors, Administrative Support
22 Computer Equiptment Operators
23 Secretaries, Stenographers, And Typists
24 Financial Records Processing
25 Mail And Message Distribution
26 Other Admin. Support, Including Clerical
27 Private Household Service Occupations
28 Protective Service

NAME	SIZE	DESCRIPTION	LOCATION

PRDTOCC2   2   DETAILED OCCUPATION RECODE–Con.

29   Food Service
30   Health Service
31   Cleaning And Building Service
32   Personal Service
33   Mechanics And Repairers
34   Construction Trades
35   Other Precision Production, Craft, And Repair
36   Machine Operators, And Tenders, Except Precision
37   Fabricators, Assemblers, Inspectors, Samplers
38   Motot Vehicle Operators
39   Other Transportation And Material Moving Occupations
40   Construction Laborers
41   Freight, Stock, & Materials Handlers
42   Other Handlers, Equipt. Cleaners, Helpers, Laborers
43   Farm Operators And Managers
44   Farm Workers And Related Occupations
45   Forestry And Fishing Occupations
46   Armed Forces

PREMP   2   EMPLOYED PERSONS   (480 - 481)

(Non-Farm & Non-Private Hhld) Recode

EDITED UNIVERSE: PEMLR = 1 Or 2
AND PEIO1OCD ne 403-407, 473-484

VALID ENTRY

1   Employed Persons (Exc. Farm & Priv HH)

PRMJIND1   2   MAJOR INDUSTRY RECODE - JOB 1   (482 - 483)

EDITED UNIVERSE: PRDTIND1 = 1-51

VALID ENTRIES

1   Agriculture
2   Mining
3   Construction
4   Manufacturing - Durable Goods
5   Manufacturing - Non-Durable Goods
6   Transportation
7   Communications
8   Utilities And Sanitary Services
9   Wholesale Trade
10   Retail Trade
11   Finance, Insurance, And Real Estate
12   Private Households
13   Business, Auto And Repair Services
14   Personal Services, Exc. Private Hhlds
15   Entertainment And Recreation Services
16   Hospitals
17   Medical Services, Exc. Hospitals

NAME	SIZE	DESCRIPTION	LOCATION
PRMJIND1	2	MAJOR INDUSTRY RECODE - JOB 1–Con.	

    18   Educational Services
    19   Social Services
    20   Other Professional Services
    21   Forestry And Fisheries
    22   Public Administration
    23   Armed Forces

NAME	SIZE	DESCRIPTION	LOCATION
PRMJIND2	2	MAJOR INDUSTRY RECODE - JOB 2	(484 - 485)

EDITED UNIVERSE: PRDTIND2 = 1-51

VALID ENTRIES

    1   Agriculture
    2   Mining
    3   Construction
    4   Manufacturing - Durable Goods
    5   Manufacturing - Non-Durable Goods
    6   Transportation
    7   Communications
    8   Utilities And Sanitary Services
    9   Wholesale Trade
    10   Retail Trade
    11   Finance, Insurance, And Real Estate
    12   Private Households
    13   Business, Auto And Repair Services
    14   Personal Services, Exc. Private Hhlds
    15   Entertainment And Recreation Services
    16   Hospitals
    17   Medical Services, Exc. Hospitals
    18   Educational Services
    19   Social Services
    20   Other Professional Services
    21   Forestry And Fisheries
    22   Public Administration
    23   Armed Forces

NAME	SIZE	DESCRIPTION	LOCATION
PRMJOCC1	2	MAJOR OCCUPATION RECODE - JOB 1	(486 - 487)

EDITED UNIVERSE: PRDTOCC1 = 1-46

VALID ENTRIES

    1   Executive, Administrative, & Managerial Occupations
    2   Professional Specialty Occupations
    3   Technicians And Related Support Occupations
    4   Sales Occupations
    5   Administrative Support Occupations, Including Clerical
    6   Private Household Occupations
    7   Protective Service Occupations
    8   Service Occupations, Except Protective & Hhld
    9   Precision Production, Craft & Repair Occupations
    10   Machine Operators, Assemblers & Inspectors

NAME	SIZE	DESCRIPTION	LOCATION

PRMJOCC1   2   MAJOR OCCUPATION RECODE - JOB 1–Con.

    11   Transportation And Material Moving Occupations
    12   Handlers, Equip Cleaners, Helpers, Laborers
    13   Farming, Forestry And Fishing Occupations
    14   Armed Forces

PRMJOCC2   2   MAJOR OCCUPATION RECODE - JOB 2   (488 - 489)

EDITED UNIVERSE: PRDTOCC2 = 1-46

VALID ENTRIES

    1   Executive, Administrative, & Managerial Occupations
    2   Professional Specialty Occupations
    3   Technicians And Related Support Occupations
    4   Sales Occupations
    5   Administrative Support Occupations, Including Clerical
    6   Private Household Occupations
    7   Protective Service Occupations
    8   Service Occupations, Except Protective & Hhld
    9   Precision Production, Craft & Repair Occupations
    10   Machine Operators, Assemblers & Inspectors
    11   Transportation And Material Moving Occupations
    12   Handlers, Equip Cleaners, Helpers, Laborers
    13   Farming, Forestry And Fishing Occupations
    14   Armed Forces

PRMJOCGR   2   MAJOR OCCUPATION CATEGORIES   (490 - 491)

EDITED UNIVERSE: PRMJOCC = 1-13

VALID ENTRIES

    1   Managerail & Professional, Technical,
           Sales & Support Occupations
    2   Service Occupations
    3   Production, Craft, Repair, Operators
    4   Farming, Forestry & Fishing Occupations

PRNAGPWS   2   NON-AGRICULTURE, PRIVATE   (492 - 493)
                    WAGE And SALARY WORKERS RECODE

EDITED UNIVERSE: PRCOW1 = 1 And
PEIO1ICD ne 761 Or 010-030

VALID ENTRY

    1   Non-Ag Priv Wage & Salary (Ex Priv HH)

NAME	SIZE	DESCRIPTION	LOCATION
PRNAGWS	2	NON-AGRICULTURE WAGE AND SALARY WORKERS RECODE	(494 - 495)

EDITED UNIVERSE: PEMLR = 1-4
AND PRCOW = 1-4 AND PEIO1ICD NE 010-030

VALID ENTRY

1   Non-Ag Wage And Salary Workers

| PRSJMJ | 2 | SINGLE/MULTIPLE JOBHOLDER | (496 - 497) |

EDITED UNIVERSE: PEMLR = 1 Or 2

VALID ENTRIES

1   Single Jobholder
2   Multiple Jobholder

| PRERELG | 2 | EARNINGS ELIGIBILITY FLAG | (498 - 499) |

EDITED UNIVERSE: PEMLR = 1-2 And HRMIS = 4 Or 8

VALID ENTRIES

0   Not Eligible For Edit
1   Eligible For Edit

| PEERNUOT | 2 | DO YOU USUALLY RECEIVE OVERTIME PAY, TIPS, Or COMMISSIONS AT YOUR JOB? | (500 - 501) |

EDITED UNIVERSE: PRERELG = 1

VALID ENTRIES

1   Yes
2   No

| PEERNPER | 2 | PERIODICITY | (502 - 503) |

EDITED UNIVERSE: PRERELG = 1

VALID ENTRIES

1   Hourly
2   Weekly
3   Bi-Weekly
4   Twice Monthly
5   Monthly
6   Annually
7   Other - Specify

NAME	SIZE	DESCRIPTION	LOCATION
PEERNRT	2	EVEN THOUGH YOU TOLD ME IT IS EASIER TO REPORT YOUR EARNINGS (PERIODICITY); ARE YOU PAID AT AN HOURLY RATE ON YOUR (MAIN/THIS) JOB?	(504 - 505)

EDITED UNIVERSE: PEERNPER = 2-7

VALID ENTRIES

1   Yes
2   No

NAME	SIZE	DESCRIPTION	LOCATION
PEERNHRY	2	HOURLY/NONHOURLY STATUS	(506 - 507)

EDITED UNIVERSE: PRERELG = 1

VALID ENTRIES

1   Hourly Worker
2   Nonhourly Worker

NAME	SIZE	DESCRIPTION	LOCATION
PUERNH1C	4	WHAT IS YOUR HOURLY RATE Of PAY ON THIS JOB, EXCLUDING OVERTIME PAY, TIPS Or COMMISSION?	(508 - 511)

Dollar Amount - 2 Implied Decimals

VALID ENTRIES

0   Min Value
9999   Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEERNH2	4	(EXCLUDING OVERTIME PAY, TIPS And COMMISSIONS) WHAT IS YOUR HOURLY RATE OF PAY ON YOUR (MAIN/THIS) JOB? DOLLAR AMOUNT - 2 IMPLIED DECIMALS	(512 - 515)

EDITED UNIVERSE: PEERNRT = 1

VALID ENTRIES

0   Min Value
9999   Max Value

NAME	SIZE	DESCRIPTION	LOCATION
PEERNH1O	4	OUT VARIABLE FOR HOURLY	(516 - 519)

Rate Of Pay (2 Implied Decimals)

EDITED UNIVERSE: PEERNPER = 1

VALID ENTRIES

0   Min Value
9999   Max Value

NAME	SIZE	DESCRIPTION	LOCATION

PRERNHLY 4 RECODE FOR HOURLY RATE (520 - 523)

2 Implied Decimals

EDITED UNIVERSE: PEERNPER = 1 Or PEERNRT = 1

VALID ENTRIES

0   Min Value
9999   Max Value

PTHR 1 HOURLY PAY - TOP CODE (524 - 524)

VALID ENTRIES

0   Not Topcoded
1   Topcoded

PEERNHRO 2 USUAL HOURS (525 - 526)

EDITED UNIVERSE: PEERNH1O = ENTRY

VALID ENTRIES

0   Min Value
99   Max Value

PRERNWA 8 WEEKLY EARNINGS RECODE (527 - 534)

2 Implied Decimals

EDITED UNIVERSE: PRERELG = 1

VALID ENTRIES

0   Min Value
1923   Max Value

PTWK 1 WEEKLY EARNINGS - TOP CODE (535 - 535)

0   Not Topcoded
1   Topcoded

PEERNVR1 2 I HAVE ESTIMATED YOUR USUAL WEEKLY EARNINGS (FOR YOUR MAIN JOB) AS ( ) BEFORE TAXES OR OTHER DEDUCTIONS. DOES THAT SOUND CORRECT? (536 - 537)

EDITED UNIVERSE: PEERNHRO = ENTRY

VALID ENTRIES

1   Yes
2   No

NAME	SIZE	DESCRIPTION	LOCATION

PEERNVR3 2 I HAVE ESTIMATED YOUR TOTAL WEEKLY EARNINGS (FOR YOUR MAIN JOB) AS ( ) BEFORE TAXES Or OTHER DEDUCTIONS. DOES THAT SOUND CORRECT? (538 - 539)

EDITED UNIVERSE: PEERNVR1 = -2 Or 2

(This Is An Approximate Universe As The Variables Which Comprise The Universe Are Not Included On This File)

VALID ENTRIES

1   Yes
2   No

PEERN 8 CALCULATED WEEKLY OVERTIME AMOUNT (540 - 547)

2 Implied Decimals

EDITED UNIVERSE: PEERNUOT = 1 And PEERNPER = 1

VALID ENTRIES

0   Min Value
99999999   Max Value

PUERN2 8 CALCULATED WEEKLY OVERTIME AMOUNT (548 - 555)

2 Implied Decimals

VALID ENTRIES

0   Min Value
99999999   Max Value

PTOT 1 WEEKLY OVERTIME AMOUNT - TOP CODE (556 - 556)

VALID ENTRIES

0   Not Topcoded
1   Topcoded

PUERNVR4 2 I HAVE RECORDED YOUR TOTAL EARNINGS (557 - 558)

(For Your Main Job) As ( ) Before Taxes Or Other Deductions. Is That Correct?

VALID ENTRIES

1   Yes
2   No

NAME	SIZE	DESCRIPTION	LOCATION

PEERNWKP 2 HOW MANY WEEKS A YEAR DO YOU (559 - 560)
GET PAID FOR?

EDITED UNIVERSE: PEERNPER = 6

VALID ENTRIES

01 Min Value
52 Max Value

PEERNLAB 2 ON THIS JOB, ARE YOU A MEMBER Of A (561 - 562)
LABOR UNION Or Of AN EMPLOYEE ASSOCIATION
SIMILAR TO A UNION?

EDITED UNIVERSE: (PEIO1COW = 1-5
AND PEMLR = 1-2 And HRMIS = 4, 8)

VALID ENTRIES

1 Yes
2 No

PEERNCOV 2 ON THIS JOB ARE YOU COVERED BY A UNION (563 - 564)
OR EMPLOYEE ASSOCIATION CONTRACT?

EDITED UNIVERSE: (PEIO1COW = 1-5
AND PEMLR = 1-2 And HRMIS = 4, 8)

VALID ENTRIES

1 Yes
2 No

PENLFJH 2 WHEN DID YOU LAST WORK AT A JOB (565 - 566)
OR BUSINESS?

EDITED UNIVERSE: HRMIS = 4 Or 8
AND PEMLR = 3-7

VALID ENTRIES

1 Within The Last 12 Months
2 More Than 12 Months Ago
3 Never Worked

PENLFRET 2 ARE YOU RETIRED FROM A JOB OR BUSINESS? (567 - 568)

EDITED UNIVERSE: PEAGE = 50+ And PEMLR = 3-7

VALID ENTRIES

1 Yes
2 No

NAME	SIZE	DESCRIPTION	LOCATION

PENLFACT 2 WHAT BEST DESCRIBES YOUR SITUATION AT THIS TIME? FOR EXAMPLE, ARE YOU DISABLED, ILL, In SCHOOL, TAKING CARE Of HOUSE OR FAMILY, Or SOMETHING ELSE?   (569 - 570)

EDITED UNIVERSE: (PEAGE = 14-49) OR (PENLFRET = 2)

VALID ENTRIES

1   Disabled
2   Ill
3   In School
4   Taking Care Of House Or Family
5   In Retirement
6   Something Else/Other

PUNLFCK1 2 NOT In LABOR FORCE - CHECK ITEM - 1   (571 - 572)

VALID ENTRIES

1)   If Agerng Equals 1-4 Or 9
      Then GoTo NLFACT
2)   All Others GOT NLFRET

PUNLFCK2 2 NOT In LABOR FORCE - CHECK ITEM - 2   (573 - 574)

VALID ENTRIES

1)   If MISCK EQUALS 4 Or 8 Then GoTo NLFJH
2)   All Others GoTo LBFR-END

PESCHENR 2 LAST WEEK, WERE YOU ENROLLED IN A HIGH SCHOOL, COLLEGE, OR UNIVERSITY?   (575 - 576)

EDITED UNIVERSE: PRPERTYP = 2
AND PEAGE = 16-24

VALID ENTRIES

1   Yes
2   No

PESCHFT 2 ARE YOU ENROLLED IN SCHOOL AS A FULL-TIME OR PART-TIME STUDENT?   (577 - 578)

EDITED UNIVERSE: PESCHLVL = 1, 2

VALID ENTRIES

1   Full-time
2   Part-time

NAME	SIZE	DESCRIPTION	LOCATION
PESCHLVL	2	WOULD THAT BE HIGH SCHOOL, COLLEGE, OR UNIVERSITY?	(579 - 580)

EDITED UNIVERSE: PESCHENR = 1

VALID ENTRIES

1   High School
2   College Or University

NAME	SIZE	DESCRIPTION	LOCATION
PRNLFSCH	2	NLF ACTIVITY - IN SCHOOL OR NOT IN SCHOOL	(581 - 582)

EDITED UNIVERSE: PENLFACT = -1
OR 1-6 AND PEAGE = 16-24

VALID ENTRIES

1   In School
2   Not In School

NAME	SIZE	DESCRIPTION	LOCATION

PERSON'S WEIGHTS

NAME	SIZE	DESCRIPTION	LOCATION
PWFMWGT	10	FAMILY WEIGHT	(583 - 592)

(4 Implied Decimals)
Only Used For Tallying Family
Characteristics.

EDITED UNIVERSE: PRPERTYP = 1-3

| PWLGWGT | 10 | LONGITUDINAL WEIGHT | (593 - 602) |

(4 Implied Decimals)
Only Found On Adult Records Matched From
Month To Month. (Used For Gross Flows
Analysis)

EDITED UNIVERSE: PRPERTYP = 2

| PWORWGT | 10 | OUTGOING ROTATION WEIGHT | (603 - 612) |

(4 Implied Decimals)
Used For Tallying Information
Collected Only In Outgoing Rotations
(I.E., Earnings, 2nd Job I & O,
Detailed Nilf)

EDITED UNIVERSE: PRPERTYP = 2

| PWSSWGT | 10 | FINAL WEIGHT | (613 - 622) |

(4 Implied Decimal Places)
Used For Most Tabulations, Controlled
To Independent Estimates For
1) States; 2) Origin, Sex,
And Age; And 3) Age, Race, And Sex.

EDITED UNIVERSE: PRPERTYP = 1-3

| PWVETWGT | 10 | VETERANS WEIGHT | (623 - 632) |

(4 Implied Decimals)
Used For Tallying Veteran's Data Only,
Controlled To Estimates Of Veterans
Supplied By Va.

EDITED UNIVERSE: PRPERTYP = 2

| FILLER | 10 | | (633 - 642) |

NAME	SIZE	DESCRIPTION	LOCATION
		ALLOCATION FLAGS	
HXTENURE	2	ALLOCATION FLAG	(643 - 644)
HXHOUSUT	2	ALLOCATION FLAG	(645 - 646)
HXTELHHD	2	ALLOCATION FLAG	(647 - 648)
HXTELAVL	2	ALLOCATION FLAG	(649 - 650)
HXPHONEO	2	ALLOCATION FLAG	(651 - 652)
PXINUSYR	2	ALLOCATION FLAG	(653 - 654)
PXRRP	2	ALLOCATION FLAG	(655 - 656)
PXPARENT	2	ALLOCATION FLAG	(657 - 658)
PXAGE	2	ALLOCATION FLAG	(659 - 660)
PXMARITL	2	ALLOCATION FLAG	(661 - 662)
PXSPOUSE	2	ALLOCATION FLAG	(663 - 664)
PXSEX	2	ALLOCATION FLAG	(665 - 666)
PXAFWHEN	2	ALLOCATION FLAG	(667 - 668)
PXAFNOW	2	ALLOCATION FLAG	(669 - 670)
PXEDUCA	2	ALLOCATION FLAG	(671 - 672)
PXRACE	2	ALLOCATION FLAG	(673 - 674)
PXNATVTY	2	ALLOCATION FLAG	(675 - 676)
PXMNTVTY	2	ALLOCATION FLAG	(677 - 678)
PXFNTVTY	2	ALLOCATION FLAG	(794 - 680)
PXINUSYR	2	ALLOCATION FLAG	(681 - 682)
PXORIGIN	2	ALLOCATION FLAG	(683 - 684)
PXMLR	2	ALLOCATION FLAG	(685 - 686)
PXRET1	2	ALLOCATION FLAG	(687 - 688)
PXABSRSN	2	ALLOCATION FLAG	(689 - 690)
PXABSPDO	2	ALLOCATION FLAG	(691 - 692)
PXMJOT	2	ALLOCATION FLAG	(693 - 694)
PXMJNUM	2	ALLOCATION FLAG	(695 - 696)

NAME	SIZE	DESCRIPTION	LOCATION
PXHRUSL1	2	ALLOCATION FLAG	(697 - 698)
PXHRUSL2	2	ALLOCATION FLAG	(699 - 700)
PXHRFTPT	2	ALLOCATION FLAG	(701 - 702)
PXHRUSLT	2	ALLOCATION FLAG	(703 - 704)
PXHRWANT	2	ALLOCATION FLAG	(705 - 706)
PXHRRSN1	2	ALLOCATION FLAG	(707 - 708)
PXHRRSN2	2	ALLOCATION FLAG	(709 - 710)
PXHRACT1	2	ALLOCATION FLAG	(711 - 712)
PXHRACT2	2	ALLOCATION FLAG	(713 - 714)
PXHRACTT	2	ALLOCATION FLAG	(715 - 716)
PXHRRSN3	2	ALLOCATION FLAG	(717 - 718)
PXHRAVL	2	ALLOCATION FLAG	(719 - 720)
PXLAYAVL	2	ALLOCATION FLAG	(721 - 722)
PXLAYLK	2	ALLOCATION FLAG	(723 - 724)
PXLAYDUR	2	ALLOCATION FLAG	(725 - 726)
PXLAYFTO	2	ALLOCATION FLAG	(727 - 728)
PXLKM1	2	ALLOCATION FLAG	(729 - 730)
PXLKAVL	2	ALLOCATION FLAG	(731 - 732)
PXLKLL1O	2	ALLOCATION FLAG	(733 - 734)
PXLKLL2O	2	ALLOCATION FLAG	(735 - 736)
PXLKLWO	2	ALLOCATION FLAG	(737 - 738)
PXLKDUR	2	ALLOCATION FLAG	(739 - 740)
PXLKFTO	2	ALLOCATION FLAG	(741 - 742)
PXDWWNTO	2	ALLOCATION FLAG	(743 - 744)
PXDWRSN	2	ALLOCATION FLAG	(745 - 746)
PXDWLKO	2	ALLOCATION FLAG	(747 - 748)
PXDWWK	2	ALLOCATION FLAG	(749 - 750)
PXDW4WK	2	ALLOCATION FLAG	(751 - 752)

NAME	SIZE	DESCRIPTION	LOCATION
PXDWLKWK	2	ALLOCATION FLAG	(753 - 754)
PXDWAVL	2	ALLOCATION FLAG	(755 - 756)
PXDWAVR	2	ALLOCATION FLAG	(757 - 758)
PXJHWKO	2	ALLOCATION FLAG	(759 - 760)
PXJHRSN	2	ALLOCATION FLAG	(761 - 762)
PXJHWANT	2	ALLOCATION FLAG	(763 - 764)
PXIO1COW	2	ALLOCATION FLAG	(765 - 766)
PXIO1ICD	2	ALLOCATION FLAG	(767 - 768)
PXIO1OCD	2	ALLOCATION FLAG	(769 - 770)
PXIO2COW	2	ALLOCATION FLAG	(771 - 772)
PXIO2ICD	2	ALLOCATION FLAG	(773 - 774)
PXIO2OCD	2	ALLOCATION FLAG	(775 - 776)
PXERNUOT	2	ALLOCATION FLAG	(777 - 778)
PXERNPER	2	ALLOCATION FLAG	(779 - 780)
PXERNH1O	2	ALLOCATION FLAG	(781 - 782)
PXERNHRO	2	ALLOCATION FLAG	(783 - 784)
PXERN	2	ALLOCATION FLAG	(785 - 786)
PXERNVR1	2	ALLOCATION FLAG	(787 - 788)
PXERNVR3	2	ALLOCATION FLAG	(789 - 790)
PXERNWKP	2	ALLOCATION FLAG	(791 - 792)
PXERNRT	2	ALLOCATION FLAG	(793 - 794)
PXERNHRY	2	ALLOCATION FLAG	(795 - 796)
PXERNH2	2	ALLOCATION FLAG	(797 - 798)
PXERNLAB	2	ALLOCATION FLAG	(799 - 800)
PXERNCOV	2	ALLOCATION FLAG	(801 - 802)
PXNLFJH	2	ALLOCATION FLAG	(803 - 804)
PXNLFRET	2	ALLOCATION FLAG	(805 - 806)
PXNLFACT	2	ALLOCATION FLAG	(807 - 808)

NAME	SIZE	DESCRIPTION	LOCATION
PXSCHENR	2	ALLOCATION FLAG	(809 - 810)
PXSCHFT	2	ALLOCATION FLAG	(811 - 812)
PXSCHLVL	2	ALLOCATION FLAG	(813 - 814)

November 1994 Voting and Registration
Supplement and Computer Usage Supplement Record Layout

NAME	SIZE	DESCRIPTION	LOCATION
PRVEL	2	Voting Eligibility Recode	815-816

VALID ENTRIES:

1 Eligible for voting and registration questions
2 In universe, but no data available
3 Not eligible for voting and registration questions

| PES3 | 2 | In any election some people | 817-818 |

are not able to vote because
they are sick or busy or have
some other reason and others do not
want to vote. Did (you/name)
vote in the election held on November 8th?

EDITED UNIVERSE:

PRVEL = 1

VALID ENTRIES:

1 Yes
2 No
-2 Don't Know
-3 Refused

| PES4 | 2 | (Were you/Was name) registered to vote | 819-820 |

in the November 8th election?

EDITED UNIVERSE:

PES3 = 2, -2, -3

VALID ENTRIES:

1 Yes
2 No
-2 Don't Know
-3 Refused
-9 No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
PES5	2	At what time of day did (you/name) vote?	821-822

EDITED UNIVERSE:

PES3 = 1

VALID ENTRIES:

1	Before noon
2	Noon to 4 p.m.
3	4 p.m. to 6 p.m.
4	After 6 p.m.
5	Voted absentee
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
PES6	2	How long (have you/has name) lived at this address?	823-824

EDITED UNIVERSE:

PRVEL = 1 or 2

VALID ENTRIES:

1	Less than 1 month
2	1-6 months
3	7-11 months
4	1-2 years
5	3-4 years
6	5 years or longer
-2	Don't Know
-3	Refused

NAME	SIZE	DESCRIPTION	LOCATION
PES7	2	INTERVIEWER CHECK ITEM - Who reported for this person?	825-826

EDITED UNIVERSE:

PRVEL = 1 or 2

VALID ENTRIES:

1	Self
2	Other

NAME	SIZE	DESCRIPTION	LOCATION

HESQ1   2

Does someone in this household
own a personal computer?   827-828

EDITED UNIVERSE:

PERRP = 1, 2, or 3

VALID ENTRIES:

1	Yes
2	No (skip to SQ3)
-2	Don't Know (end questions)
-3	Refused (end questions)
-9	No response (N/A)

HESQ2   2

Is there a modem for the computer?   829-830

EDITED UNIVERSE:

HESQ1 = 1

VALID ENTRIES:

1	Yes (skip to SQ5)
2	No (skip to SQ4)
-2	Don't Know (skip to SQ4)
-3	Refused (skip to SQ4)
-9	No response (N/A)

HESQ3   2

Are there plans to buy a computer
for this household within the next year?   831-832

EDITED UNIVERSE:

HESQ1 = 2

VALID ENTRIES:

1	Yes
2	No (skip to SQ12)
-2	Don't Know (skip to SQ12)
-3	Refused (skip to SQ12)

NAME	SIZE	DESCRIPTION	LOCATION

HESQ4 2 Are there plans to buy a modem 833-834
within the next year?

PROBE IF NECESSARY: A MODEM IS A DEVICE
FOR CONNECTING THE COMPUTER TO A PHONE LINE.

EDITED UNIVERSE:

(HESQ2 = 2, -2, OR -3) OR HESQ3 = 1

VALID ENTRIES:

1   Yes (skip to SQ7)
2   No (skip to SQ7)
-2   Don't Know (skip to SQ7)
-3   Refused (skip to SQ7)
-9   No response (N/A)

HESQ5A 2 Do you use your computer to 835-836
search classified ads?

EDITED UNIVERSE:

HESQ2 = 1

VALID ENTRIES:

1   Yes
2   No
-2   Don't Know
-3   Refused
-9   No response (N/A)

HESQ5B 2 Do you use your computer to 837-838
take educational courses for
work or recreation?

EDITED UNIVERSE:

HESQ2 = 1

VALID ENTRIES:

1   Yes
2   No
-2   Don't Know
-3   Refused
-9   No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ5C	2	Do you use your computer to find out about transportation schedules or fares, make reservations, or buy tickets?	839-840

EDITED UNIVERSE:

HESQ2 = 1

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ5D	2	Do you use your computer to stay in touch with friends, relatives, or others with similar interests?	841-842

EDITED UNIVERSE:

HESQ2 = 1

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ5E	2	Do you use your computer to pay bills, order merchandise, or shop with a credit card?	843-844

EDITED UNIVERSE:

HESQ2 = 1

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ5F	2	Do you use your computer to access government services, reports, or data?	845-846

EDITED UNIVERSE:

HESQ2 = 1

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ5G	2	Do you use your computer to file income tax returns?	847-848

EDITED UNIVERSE:

HESQ2 = 1

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ5H	2	Do you use your computer to access news, including sports and weather information?	849-850

EDITED UNIVERSE:

HESQ2 = 1

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ7A	2	Would you be interested in using (a) (your) computer to search classified ads?	851-852

EDITED UNIVERSE:

HESQ4 = 1, 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ7B	2	Would you be interested in using (a) (your) computer to take educational courses for work or recreation?	853-854

EDITED UNIVERSE:

HESQ4 = 1, 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ7C	2	Would you be interested in using (a) (your) computer to find out about transportation schedules or fares, make reservations, or buy tickets?	855-856

EDITED UNIVERSE:

HESQ4 = 1, 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ7D	2		857-858

Would you be interested in using
(a) (your) computer to stay in touch
with friends, relatives, or others with
similar interests?

EDITED UNIVERSE:

HESQ4 = 1, 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ7E	2		859-860

Would you be interested in using
(a) (your) computer to pay bills,
order merchandise, or shop with a credit card?

EDITED UNIVERSE:

HESQ4 = 1, 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ7F	2		861-862

Would you be interested in using
(a) (your) computer to access government
services, reports, or data?

EDITED UNIVERSE:

HESQ4 = 1, 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ7G	2	Would you be interested in using (a) (your) computer to file income tax returns?	863-864

EDITED UNIVERSE:

HESQ4 = 1, 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ7H	2	Would you be interested in using (a) (your) computer to access news, including sports and weather information?	865-866

EDITED UNIVERSE:

HESQ4 = 1, 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ9A	2	Would you be interested in using your computer to search classified ads?	867-868

EDITED UNIVERSE:

HESQ5A = 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ9B	2	Would you be interested in using your computer to take educational courses for work or recreation?	869-870

EDITED UNIVERSE:

HESQ5B = 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ9C	2	Would you be interested in using your computer to find out about transportation schedules or fares, make reservations, or buy tickets?	871-872

EDITED UNIVERSE:

HESQ5C = 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ9D	2	Would you be interested in using your computer to stay in touch with friends, relatives, or others with similar interests?	873-874

EDITED UNIVERSE:

HESQ5D = 2, -2, OR -3

VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION

HESQ9E   2

Would you be interested in using
your computer to pay bills, order
merchandise, or shop with a credit card?

875-876

EDITED UNIVERSE:

HESQ5E=2, -2, OR -3

VALID ENTRIES:

1   Yes
2   No
-2   Don't Know
-3   Refused
-9   No response (N/A)

HESQ9F   2

Would you be interested in using
your computer to access government
services, reports, or data?

877-878

EDITED UNIVERSE:

HESQ5F=2, -2, OR -3

VALID ENTRIES:

1   Yes
2   No
-2   Don't Know
-3   Refused
-9   No response (N/A)

HESQ9G   2

Would you be interested in using
your computer to file income tax returns?

879-880

EDITED UNIVERSE:

HESQ5G=2, -2, OR -3

VALID ENTRIES:

1   Yes
2   No
-2   Don't Know
-3   Refused
-9   No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ9H	2	Would you be interested in using your computer to access news, including sports and weather information?	881-882

EDITED UNIVERSE:

HESQ5H = 2, -2, OR -3

VALID ENTRIES:

1   Yes
2   No
-2 Don't Know
-3 Refused
-9 No response (N/A)

| HESQ10A | 2 | Would you be interested in using your computer to vote in elections? | 883-884 |

EDITED UNIVERSE:

(HESQ1 = 1) OR (HESQ3 = 1)

VALID ENTRIES:

1   Yes
2   No
-2 Don't Know
-3 Refused
-9 No response (N/A)

| HESQ10B | 2 | Would you be interested in using your computer to submit health insurance claims? | 885-886 |

EDITED UNIVERSE:

(HESQ1 = 1) OR (HESQ3 = 1)

VALID ENTRIES:

1   Yes
2   No
-2 Don't Know
-3 Refused
-9 No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION

HESQ10C   2   Would you be interested in using   887-888
your computer to find out about
your (child's/children's) school
schedule or contact (his/her/their) teachers?

EDITED UNIVERSE:

(((HESQ1 = 1) OR (HESQ3 = 1)) AND
((PERRP = 04) AND(PUHHMEM = 1) AND
(5 < = PEAGE < = 18)))

VALID ENTRIES:

1   Yes
2   No
-2   Don't Know
-3   Refused
-9   No response (N/A)

HESQ11   2   Are you very, somewhat, or not at all   889-890
concerned that personal information
you provide to a computer-based service
would not be kept confidential?

EDITED UNIVERSE:

(HESQ1 = 1) OR (HESQ3 = 1)

VALID ENTRIES:

1   Very concerned
2   Somewhat concerned
3   Not at all concerned
-2   Don't Know
-3   Refused
-9   No response (N/A)

HESQ12   2   Do you think it is important for   891-892
school-age children (kindergarten
thru 12th grade) to learn to use computers?

EDITED UNIVERSE:

HESQ1 = 1 OR 2

VALID ENTRIES:

1   Yes
2   No
3   No opinion
-2   Don't Know
-3   Refused
-9   No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION

HESQ13   2

(Does your child/Do your children)
use computers in school?

893-894

EDITED UNIVERSE:

((PERRP=04) AND (PUHHMEM=1) AND
(5<=PEAGE<=18)) VALID ENTRIES:

1	Yes
2	No
-2	Don't Know
-3	Refused
-9	No response (N/A)

HESQ14A   2

Which of your children use
computers in school?

895-896

FIRST CHILD

EDITED UNIVERSE:

((HESQ13=1) AND (PERRP=04) AND
(PUHHMEM=1) AND (5<=PEAGE<=18))

VALID ENTRIES:

1-16	
-2	Don't Know
-3	Refused
-9	No response (N/A)

HESQ14B   2

Which of your children use
computers in school?

897-898

SECOND CHILD

EDITED UNIVERSE:

((HESQ13=1) AND (PERRP=04) AND
(PUHHMEM=1) AND (5<=PEAGE<=18))

VALID ENTRIES:

1-16	
-2	Don't Know
-3	Refused
-9	No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ14C	2	Which of your children use computers in school?	899-900

THIRD CHILD

EDITED UNIVERSE:

((HESQ13 = 1) AND (PERRP = 04) AND (PUHHMEM = 1) AND (5 < = PEAGE < = 18))

VALID ENTRIES:

1-16
-2   Don't Know
-3   Refused
-9   No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ14D	2	Which of your children use computers in school?	901-902

FOURTH CHILD

EDITED UNIVERSE:

((HESQ13 = 1) AND (PERRP = 04) AND (PUHHMEM = 1) AND (5 < = PEAGE < = 18))

VALID ENTRIES:

1-16
-2   Don't Know
-3   Refused
-9   No response (N/A)

NAME	SIZE	DESCRIPTION	LOCATION
HESQ14E	2	Which of your children use computers in school?	903-904

FIFTH CHILD

EDITED UNIVERSE:

((HESQ13 = 1) AND (PERRP = 04) AND (PUHHMEM = 1) AND (5 < = PEAGE < = 18))

VALID ENTRIES:

1-16
-2   Don't Know

NAME	SIZE	DESCRIPTION	LOCATION

HESQ15   2   Earlier you said you intended to buy   905-906
               a computer within the next year.
               Will your (child/children) use the
               computer at home?

EDITED UNIVERSE:

((((HESQ3 = 1) AND ((PERRP = 04) AND
(PUHHMEM = 1) AND (5 < = PEAGE < = 18)))

VALID ENTRIES:

1   Yes (end questions)
2   No (end questions)
-2   Don't Know (end questions)
-3   Refused (end)
-9   No response (N/A)

HESQ16   2   (Does your child/Do your children) use   907-908
               the computer in this household?

EDITED UNIVERSE:

((HESQ1 = 1) AND ((PERRP = 04) AND
(PUHHMEM = 1) AND (5 < = PEAGE < = 18)))

VALID ENTRIES:

1   Yes
2   No
-2   Don't Know
-3   Refused
-9   No response (N/A)

COMPARISON OF OLD AND REVISED CURRENT POPULATION SURVEY QUESTIONNAIRES

A redesign of the Current Population Survey [CPS] was implemented in January 1994 which introduced a revised CPS questionnaire and an automated data-collection environment.

To enable data users to compare past and present versions of the questionnaire, the two instruments have been consolidated into this (updated) composite questionnaire package. [This document contains slight modifications to the revised CPS questionnaire that were made after the last version of the composite questionnaire was issued (March 1993)].

Each page is organized using the following format:

LEFT SIDE:
Questions from the old
CPS questionnaire

RIGHT SIDE:
Questions from the revised
CPS questionnaire

Please note that the page sequencing for the composite questionnaire is based on the page and question sequencing of the revised CPS questionnaire. As a result, the questions from the old CPS questionnaire [referred to as CPS-1] are not in their natural order.

Attached to this document, for reference purposes, are the following materials:

1. A one-page copy of the old CPS questionnaire;
2. A table summarizing differences between the old and the revised CPS questionnaires; and,
3. A questionnaire item comparison table that juxtaposes item numbers (and labels) for the old and the revised questionnaires.

Requests for additional information on the revised CPS questionnaire may be addressed to the Bureau of Labor Statistics, Division of Labor Force Statistics (Postal Square Building, Room 4675, 2 Massachusetts Ave., N.E., Washington, DC, 20212; 202-606-6378).

10A-2

REVISED CPS QUESTIONNAIRE

Q19.
LABOR   I am going to ask a few questions about work-related activities LAST WEEK. By last week I mean the week beginning on Sunday, January 12, and ending on Saturday, January 18.

NOTE: This item is asked only once, after demographics for household have been asked.

Q19A.
BUS   Does anyone in this household have a business or a farm?

Yes............. 0 ===> Whose business or farm is it?
No.............. 0
Don't know...... 0
Refused......... 0

   -- (line no.) BUSL1
   -- (line no.) BUSL2
   -- (line no.) BUSL3
   -- (line no.) BUSL4

[blind]
[blind]

AT WORK

Q20.
WK   (If Q19A is "yes" then parentheticals should be filled.)
LAST WEEK, did you do ANY work for (either) pay (or profit)?

Yes............. 0   (Skip to Q20C)
No.............. 0   (Go to Q20-CK)
Retired......... 0   (Go to Q20-CK)
Disabled........ 0   (Go to Q20-CK)
Unable to work.. 0   (Go to Q20-CK)
Don't know...... 0   (Skip to Q20B-a)
Refused......... 0   (Skip to Q20B-a)

[blind]
[blind]

Q20-CK.
BUSCK1   CHECK ITEM
Q19A is "Yes".............   (Ask Q20-1)
Q19A is "No" "D" or "R"...   (Skip to Q20-CK2)

Q20-1.
BUS1   LAST WEEK, did you do any unpaid work in the family business or farm?

Yes............. 0   (Ask Q20-2)
No.............. 0   (Skip to Q20-CK2)
Don't know...... 0   (Skip to Q20-CK2)
Refused......... 0   (Skip to Q20-CK2)

[blind]
[blind]

Q20-2.
BUS2   (If Q19A is "yes" and Q19A line number EQ person number, then plug Q20-2 "yes" and skip to Q20E-A.)

Do you receive any payments or profits from the business?

Yes 0   (Skip to Q20E-A)
No 0   (Go to Q20E-A)
Don't know 0   (Go to Q20E-A)
Refused....... 0   (Go to Q20E-A)

[blind]
[blind]

OLD CPS QUESTIONNAIRE
[CPS-1]

AT WORK

Q19.   What was ... doing most of LAST WEEK –
Working
Keeping house
Going to school
or something else?

Working (skip to Q20A).........WK   ...0
With a job but not at work.....J   ...0
Looking for work...............LK ...0
Keeping house..................H   ...0
Going to school................S   ...0
Unable to work (skip to Q24)...U   ...0
Retired........................R   ...0
Other (specify)................OT ...0

Q20.   Did ... do any work at all LAST WEEK, not counting work around the house? (Note: If farm or business operator in HH, ask about unpaid work.)

Yes............0
No.............0 (Go to Q22)

Q20-CK2.   CHECK ITEM
RETCK1   (MIS-CK is 2-4 or 6-8) and (Prev month lab force status was "NILF-
         Retired") and (Age is 50+) and (Q20 is "retired")......(Plug Q20-RET
                                                           "yes" and skip to Q20-num)

         (MIS-CK is 2-4 or 6-8) and (Prev month lab force status was "NILF-
         Retired") and (Age is 50+) and (Q20 is NOT "retired")..(Ask Q20-RET)

         (MIS-CK is 2-4 or 6-8) and (Prev month lab force status was
                                    "NILF-Disabled/Unable")......(Skip to Q20-DIS)

         If Q20 is "Disabled"..(Go to Q20A-1)
         If Q20 is "Unable"..(Go to Q20A-2)
         All others..(Go to Q20-RET-CK1)

Q20-RET.   Last month you were reported to be retired.
RET   Are you still retired?

           Yes 0   (Skip to Q20-NUM)
           No 0   (Skip to Q20-RET-CK1)
           Was not retired last month... 0   (Skip to Q20-RET-CK1)

[blind]   Don't know.....................0   (Skip to Q20-RET-CK1)
[blind]   Refused........................0   (Skip to Q20-RET-CK1)

Q20-DIS.   {If Q20 is "no" then fill first parenthetical.}
DIS   {If Q19A is "yes" then fill second parenthetical.}
           (Last month you were reported to have a disability.) Does your
           disability continue to prevent you from doing any kind of work
           for the next 6 months (, including work in the family business or
           farm)?

           Yes...................................0   (Skip to Q27-CK)
           No....................................0
           Did not have disability last month...0
[blind]   Don't know............................0
[blind]   Refused...............................0

Q20-RET-CK1. CHECK ITEM
RETCK2   Q20 is retired......(Go to Q20-RET-CK2)
             All others.........(Skip to Q20B-a)

Q20-RET-CK2. CHECK ITEM
RETCK3   Person is 50+ yrs. old..... (Ask Q20-num)
             Person is under 50 yrs. old. (Skip to Q20B-a)

Q20-num. Do you currently want a job, either full or part time?
RET1
          Yes or Maybe, it depends..0   (Skip to Q22)
          No.........................0   (Skip to Q27-CK)
          Has a job..................0   (Skip to Q20B-1)
[blind]   Don't know.................0   (Skip to Q22)
[blind]   Refused....................0   (Skip to Q22)

A T W O R K (continued)

disability prevent you from accepting any kind of
g the next six months?

: : 0 (Skip to Q27-CK)
: : 0 (Skip to Q20A-3-CK)
: : 0 (Skip to Q20A-3-CK)
: : 0 (Skip to Q20A-3-CK)

a disability that prevents you from accepting
work during the next six months?

: : 0 (Skip to Q27-CK)
: : 0
: : 0 0

sabled" or "unable"......(Skip to Q24-CK)
sabled" or "unable"......(Skip to Q23-CK1)
"disabled" or "unable"...(Skip to Q22)
"disabled" or "unable"...(Skip to Q20B-b)
(Go to Q20B-a)

WITH A JOB

Q21. (If J in Q19, skip to Q21A)
Did ... have a job or business from which he/she was temporarily absent or on layoff LAST WEEK?

Yes......O
No......O (Go to Q22)

WITH A JOB

NOTE: (If Q19A is yes and Q19-list equals L-no, fill parenthetical.)
Q20B-a. LAST WEEK, (in addition to the business,) did you have a job
ABS   either full or part time? Include any job from which you were temporarily absent.

Yes ..... O (Skip to Q20B-1)
No ...... O (Skip to Q20B-a-CK)
Retired.. O (Skip to Q20B-RET-CK1)
Disabled. O (Go to Q20B-a-CK2)
Unable .. O (Go to Q20B-a-CK2)
Don't know.O (Skip to Q20B-b)
Refused ...O (Skip to Q20B-b)

[blind]
[blind]

Q20B-a-CK.   CHECK ITEM
BUSCK2   If Q19A is yes and Q19-list equal L_no.....(Skip to Q20B-1)
All others.........................(Skip to Q20B-b)

Q20B-a-CK2   CHECK ITEM
DISCK2   Entry in Q20A-1 or Q20A-2 ......(Skip to Q20B-b)
Entry in Q20B-a is disabled....(Back to Q20A-1)
Entry in Q20B-a is unable......(Back to Q20A-2)

Q20B-RET-CK1   CHECK ITEM
RETCK4   Person is 50+ yrs. old.........(Back to Q20num)
Person is less than 50 yrs. old.(Ask Q20B-b)

Q20B-b.   LAST WEEK, were you on layoff from a job?
LAY
Yes ...... O (Skip to Q21)
No .... O (Skip to Q22)
Retired... O (Skip to Q20B-RET-CK2)
Disabled.. O (Go to Q20B-b-CK)
Unable ... O (Go to Q20B-b-CK)
Don't know.O (Skip to Q22)
Refused... O (Skip to Q22)

[blind]
[blind]

Q20B-b-CK   CHECK ITEM
DISCK3   Entry in Q20A-1 or Q20A-2 ......(Skip to Q22)
Entry in Q20B-b is Disabled....(Back to Q20A-1)
Entry in Q20B-b is Unable......(Back to Q20A-2)

Q20B-RET-CK2   CHECK ITEM
RETCK5   Person is 50+ yrs. old.........(Back to Q20num)
Person is less than 50 yr. old...(Skip to Q22)

WITH A JOB (continued)

Q21A. Why was ... absent from work LAST WEEK?

Own illness.............O
On vacation.............O
Bad weather.............O
Labor dispute...........O
New job to begin
  within 30 days........O   (Skip to Q22B and Q22C2)
Temporary layoff
  (Under 30 days).......O   (Skip to Q22C3)
Indefinite layoff
  (30 days or more or
  no def. recall date)..O   (Skip to Q22C3)
Other (Specify).........O

Q21B. Is ... receiving wages or salary from his/her employer for any of the time off LAST WEEK?

Yes......O
No.......O

Q21C. Does ... usually work 35 hours or more a week at this job?

Yes......O
No.......O

(Skip to Q23 and enter job held last week)

(If Q20B-a is "no" AND (Q19A is "yes" and Q19-1st equals L-no) then do not display the first three response options.)
[NOTE: Top three categories should not appear if first condition in Q20B-a-CK is met.]

Q20B-1.   What was the main reason you were absent from work LAST WEEK?
ABSRSN

On layoff (temporary or indefinite)..........O   (Skip to Q21)
Slack work/business conditions...............O   (Skip to Q21)
Waiting for new job to begin.................O   (Skip to Q22)
Vacation/personal days.......................O
Own illness/injury/medical problems..........O
Child care problems..........................O   (Go to Q20B-1CK)
Other family/personal obligation.............O
Maternity or paternity leave.................O
Labor dispute................................O
Weather affected job.........................O
School/training..............................O
Civic/military duty..........................O
Does not work in the business................O   (Skip to Q22)
Other (Specify)..............................O   (Go to Q20B-1CK)

ABSPC   Don't know.........................O   (Go to Q20B-1CK)
[blind]   Refused............................O   (Go to Q20B-1CK)
[blind]

Q20B-1CK. CHECK ITEM
BUSCK3
(If Q19a is "yes" and Q19-1st equals L_no) and Q20B-a is "no"...(Plug Q20B-2 "yes", Q20C "no", and skip to Q20E-A.)

All others................................(Ask Q20B-2)

Q20B-2.   Are you being paid by your employer for any of the time off last week?
ABSPD

Yes........O
No.........O
[blind]   Don't know....O
[blind]   Refused....O

Q20B-2CK. CHECK ITEM
ABSCK1

If total actual hours (Q20I-1 and Q20I-2)
equals zero.....................................(Skip to Q20E-2-CK)
All others ....(Go to Q20C)

M U L T I P L E   J O B S   revised 12/8/92

NOTE: "or business" should be displayed only if Q19A is "yes".
Q20C.   LAST WEEK, did you have more than one job (or business), including
MJ   part-time, evening or weekend work?

         Yes.................0
         No..................0   (Skip to Q20E-A)
[blind] Don't know..........0   (Skip to Q20E-A)
[blind] Refused.............0   (Skip to Q20E-A)

NOTE: "or businesses" should be displayed only if Q19A is yes.
Q20D.   Altogether, how many jobs (or businesses) did you have?
MJNUM

         2...........0   (GO
         3...........0   TO
         4+..........0
[blind] Don't know..0   Q20E-A)
[blind] Refused 0

10A-8

USUAL HOURS

USUAL HOURS

Q20E-A.
HRUSL1

[If Q20C is "yes", then fill parenthetical "main".]
How many hours per week do you USUALLY work at your (main) Job?
[If Q20C is "yes"] "By main Job we mean the one at which you usually
work the most hours."

(MAIN) JOB

Number of hours==> __ __

Hours vary	0
Don't know	0
Refused	0

[blind]
[blind]

Q20E-CK.   CHECK ITEM
HRCK1   If Q20C is "yes".......(Ask Q20E-B)
            All others.............(Go to Q20E-CK2)

Q20E-B.   [If Q20D is "3" or "4", then fill parenthetical for Jobs.]
HRUSL2   How many hours per week do you USUALLY work at your other Job(s)?

OTHER JOB(S)

Number of hours==> __ __

Hours vary	0
Don't know	0
Refused	0

[blind]
[blind]

Q20E-CK2   CHECK ITEM
HRCK2

If Q20C is "yes" and ((Q20E-A is D, R, or hours vary) and
(Q20E-B is D, R, hours vary, or 0-34 hours))...(Go to Q20-1)
If Q20C is "yes" and ((Q20E-B is D, R, or hours vary) and
(Q20E-A is D, R, hours vary or 0-34 hours))....(Go to Q20E-1)
If Q20C is no, D, or R and Q20E-A is hours vary, D or R..(Ask Q20E-1)
If Q20-1 is "yes" and Q20E-A is hours vary, D, or R..(Ask Q20E-1)
All others...(Skip to Q20-2-CK)

NOTE: ["at all your Jobs combined" should be filled if Q20D has an entry.]
            ["in the family business" should be filled if Q20-1 is yes.]
Q20E-1.   Do you USUALLY work 35 hours or more per week (at your Job) (at all
HRFTPT   your Jobs combined) (in the family business or farm)?

Yes	0
No	0
Hours vary	0
Don't know	0
Refused	0

[blind]
[blind]

Q20C.   Does ... USUALLY work 35 hours or more a week at
         this Job?

         Yes..........0 ————>   What is the reason ...
                                 worked less than 35
                                 hours LAST WEEK?

         No...........0 ————>   What is the reason ...
                                 USUALLY works less than
                                 35 hours a week?

U S U A L   H O U R S   (continued) Revised 2/11/92

Q20E-2-CK.
HRCK3

CHECK ITEM

Q20B-a is "yes" OR (Q20B-a is "no" and Q19a is "yes" and
    Q19-1st equals L-no)............ (Skip to Q20X-CK)

Q20-num is "has a job".... (Skip to Q20K-CK)
Q20-2 is "no", "D" or "R".................. (Skip to Q20I-1)
Q20E (total) is 0-34 hours................. (Skip to Q20E-3-CK)
Q20E (total) is 35+ hours .... (Skip to Q20G)
All others .... (Go to Q20E-3-CK)

Q20E-3-CK.
HRCK4

CHECK ITEM

Q20E-1 is "yes", D, R, or hours vary...... (Skip to Q20I-1)
Q20-2 has entry of "no", "D" or "R"........ (Skip to Q20G)
Q20E (total) is 0-34 hours................. (Skip to Q20F-1)
Q20E-1 is "no"............................. (Skip to Q20F-1)
All others................................. (Skip to Q20I-1)

ECONOMIC PART TIME

ECONOMIC PART TIME

Q20C. Does ... USUALLY work 35 hours or more a week at this job?

Yes.........O ———>
What is the reason ... worked less than 35 hours LAST WEEK?

No.........O ———>
What is the reason ... USUALLY works less than 35 hours a week?

(Mark the appropriate reason)

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

(Skip to Q23 and enter job worked at last week)

ECONOMIC PART TIME

Q20F-1. Do you want to work a full-time workweek of 35 hours or more per week?
HRWANT

Yes .... O
No .... O (Skip to Q20F-3)
Regular hrs are full time.. O (Skip to Q20G)
Don't know.............. O (Skip to Q20G)
Refused.............. O (Skip to Q20G)

[blind]
[blind]

Q20F-2. Some people work part time because they cannot find full-time work or because business is poor. Others work part time because of family obligations or other personal reasons. What is your MAIN reason for working part time?
HRRSN1

(PROBE IF NECESSARY: What is your MAIN reason for working PART TIME instead of FULL TIME?)

Slack work/business conditions.........0
Could only find part-time work.........0
Seasonal work.........0   (SKIP
Child care problems.........0
Other family/personal obligation.........0
Health/medical limitations.........0   TO
School/training.........0
Retired/Social Security limit on earnings.0
Full-time workweek is less than 35 hrs.....0   (Q20G)
Other..(specify).........0
Don't know.........0
Refused.........0

HRSPC1
[blind]
[blind]

Q20F-3. What is the main reason you do not want to work full time?
HRRSN2

Child care problems.........0
Other family/personal obligations.........0
Health/medical limitations.........0
School/training.........0
Retired/Social Security limit on earnings.0
Full-time workweek is less than 35 hrs.....0
Other.....(specify).........0
Don't know.........0
Refused.........0

HRSPC2
[blind]
[blind]

ACTUAL HOURS

(LEAD-IN: Now I have some questions about the exact number of hours you worked LAST WEEK.)

Q20G. LAST WEEK, did you lose or take off any hours from (work) (your
HROFF1 MAIN job), for ANY reason such as illness, slack work, vacation, or holiday?

Yes......... 0 (Ask Q20G-1)
No.......... 0 (Skip to Q20H)
Don't know.. 0 (Skip to Q20H)
Refused..... 0 (Skip to Q20H)

Q20G-1. How many hours did you take off?
HROFF2

Number of hours==> __ __
[blind] Don't know 0
[blind] Refused 0

Q20H. LAST WEEK, did you work any overtime or EXTRA hours (at your MAIN
HROT1 job) that you do not USUALLY work?

Yes .... 0 (Ask Q20H-2)
No .... 0 (Skip to Q20I-1)
Don't know.. 0 (Skip to Q20I-1)
Refused .... 0 (Skip to Q20I-1)

Q20H-1. How many ADDITIONAL hours did you work?
HROT2

Number of hours==> __ __
[blind] Don't know 0
[blind] Refused 0

Q20I-1. (If "yes" in Q20C, fill second parenthetical with "MAIN".)
HRACT1 (If Q20G has an entry, fill first parenthetical.)
(So, for) LAST WEEK, how many hours did you ACTUALLY work at your (MAIN) job?

(MAIN) JOB?
[If Q20C ="yes", then range of 00-99]
[If Q20C ="no", "D" or "R", then range of 01-99]

Number of hours==> __ __
[blind] Don't know 0
[blind] Refused 0

Q20I-1CK CHECK ITEM
HRCK5

If Q20C is "yes"..............................(Ask Q20I-2)
All others.................................,(Go to Q20I-CK)

ACTUAL HOURS

Q20D. Did ... lose any time or take any time off LAST WEEK for any reason such as illness, holiday or slack work?

Yes......O ------> How many hours did .... take off?

[Correct Q20A if lost time not already deducted; if Q20A reduced below 35, correct Q20B and fill Q20C.]

No.......O

Q20E. Did ... work any overtime or at more than one job LAST WEEK?

Yes......O ------> How many extra hours did ... work?

[Correct Q20A and Q20B as necessary if extra hours not already included and skip to Q23.]

No.......O   (Skip to 23)

Q20A. How many hours did ... work LAST WEEK at all jobs?

A C T U A L   H O U R S   (continued)   Revised 2/10/93

Q20I-2.   (If Q20D is 3 or 4, fill parenthetical with "jobs".)
HRACT2   LAST WEEK, how many hours did you ACTUALLY work at your other (job)?

OTHER JOB(S)?
(Range of 00-99)

Number of hours===> __ __

[blind] Don't know   0
[blind] Refused   0

Q20I-CK. CHECK ITEM
HRCK6   If total actual hours worked (Q20I-1 and Q20I-2) equals zero, and
          Q20-2 = "no", "D" or "R" ....(Skip to Q22)
          If total actual hours worked (Q20I-1 and Q20I-2) equals zero,
          plus Q20B-A "yes" ....(Back to Q20B-1)
          All others ....(Go to Q20I-CK2)

Q20I-CK2, INTERVIEWER CHECK ITEM
HRCK7
          Q20-2 is "no", "D", or "R" ....(Skip to Q20K-CK)
          (Q20E (total) is 35+ hrs. or Q20F-1 is "yes") AND (Q20I (total) is
          less than 35 hrs) AND (Q20I-1 or Q20I-2 not equal D or R)....(Ask Q20J)
          Q20F-1 is "yes" AND Q20I is <35 hrs   AND
          (Q20F-2 is either "slack work/business conditions" OR
          "could only find part-time work" or "seasonal work")....(Skip to Q20K)
          All others..(Skip to Q20K-CK)

Q20J.   What is the main reason you worked less than 35 hours LAST WEEK?
HRRSN3

          Slack work/business conditions..............0
          Seasonal work...............................0
          Job started or ended during week............0
          Vacation/personal day.......................0   (SKIP
          Own illness/injury/medical appt.............0
          Holiday (legal or religious)................0
          Child care problems.........................0
          Other family/personal obligation............0
          Labor dispute...............................0   TO
          Weather affected job........................0
          School/training.............................0
          Civic/Military duty.........................0
          Other reason ....(specify)...0   Q20K-CK)
          [blind] Don't know..........................0
          [blind] Refused.............................0

ACTUAL HOURS (continued)

Q20C.   Does ... USUALLY work 35 hours or more a week at this
        job?

        Yes..........0 ———>   What is the reason ...
                              worked less than 35
                              hours LAST WEEK?

        No...........0 ———>   What is the reason ...
                              USUALLY works less than
                              35 hours a week?

(Mark the appropriate reason)

        Slack work...................0
        Material shortage............0
        Plant or machine repair......0
        New job started during week..0
        Job terminated during week...0
        Could find only part-time work..0
        Holiday (legal or religious)....0
        Labor dispute...................0
        Bad weather.....................0
        Own illness.....................0
        On vacation.....................0
        Too busy with housework, school,
          personal bus., etc............0
        Did not want full-time work.....0
        Full-time work week under
          35 hours......................0
        Other reason (Specify)..........0

(Skip to Q23 and enter job worked at last week)

ECONOMIC PART TIME   Revised 6/23/92

Q20K.   LAST WEEK, could you have worked full time if the hours
HRAVL   had been offered?

        Yes 0   (SKIP
        No 0   TO
[blind] Don't know....0   Q20K-CK)
[blind] Refused.......0

Q20K-CK CHECK ITEM
HRCK8

        Line number of current person equals
        line number of current household respondent.....(Skip to Q20K-CK4)
        All others...(Go to Q20K-CK1)

Q20K-CK1 CHECK ITEM
HRCK9   ****DO NOT READ TO RESPONDENT****

        Did ... provide any of the hours information you just collected?

        Yes....0 (Skip to Q20K-CK4)
        No.....0 (Go to Q20K-CK2)

Q20K-CK2 CHECK ITEM
HRCK10   ****DO NOT READ TO RESPONDENT****

        Did anyone other than (fill household respondent's name) provide any
        of the hours information you just collected?

        Yes....0 (Go to Q20K-CK3)
        No.....0 (Skip to Q20K-CK4)

Q20K-CK3 CHECK ITEM
HRCK11   ****DO NOT READ TO RESPONDENT****

        Who was that?
        (Display household roster so person name and line number appears)

        Enter line number _ _ (Skip to Q20K-CK4)

Q20K-CK4, INTERVIEWER CHECK ITEM
HRCK12
        (Q20-2 is "no", D or R) AND (Q20I-1 is <15 hrs or D or R)...(Skip to Q22)
        All others...(Skip to Q25-CK)

10A-14

ON LAYOFF

Q21.
LAYDT   Has your employer given you a date to return to work?

     Yes .... 0 (Skip to Q21A-1)
     No 0
[blind]   Don't know.. 0
[blind]   Refused..... 0

Q21A.
LAYGN   Have you been given any indication that you will be recalled to work within the next 6 months?

     Yes......... 0
     No.......... 0   (Skip to Q22)
[blind]   Don't know.. 0   (Skip to Q22)
[blind]   Refused..... 0   (Skip to Q22)

Q21A-1.
LAYAVL   Could you have returned to work LAST WEEK if you had been recalled?

     Yes .... 0 (Skip to Q21B)
     No 0
[blind]   Don't know .. 0 (Skip to Q21B)
[blind]   Refused .... 0 (Skip to Q21B)

Q21A-2.
LAYAVR   Why is that?

     Own temporary illness.....0
     Going to School..........0
     Other.(specify).........0
[blind]   Don't know...........0
[blind]   Refused...........0

Q21B.
LAYLK   Even though you expect to be called back to work, have you been looking for work during the last 4 weeks?

     Yes......... 0
     No.......... 0
[blind]   Don't know.. 0
[blind]   Refused..... 0

Q21-DPCK. CHECK ITEM
LAYCK1

Previous month's labor force status was "layoff"..(Skip to Q21-DPCK2, update previous month's duration of layoff; Carry forward entry to Q21D from last month. Note: the updating and carrying forward should only be done if the input values are not "D", "R" or "blank")

     All others...................................(Ask Q21C)

ON LAYOFF

Q22E.   Could .. have taken a job LAST WEEK if one had been offered?

     Yes......0
     No.......0 ——————>   Why not?

         Already has a job.........0
         Temporary illness........0
         Going to school..........0
         Other (Specify in notes)..0

L A Y O F F (continued)   revised 6/23/92

Q21C. As of the end of LAST WEEK, how long had you been on layoff?
LAYDR1

Number __ __   Weeks 0
                            Months...... 0
                            Years....... 0   LAYDR2

[blind] Don't know.. 0 (Skip to Q21D)
[blind] Refused .... 0 (Skip to Q21D)

(Range check - need range check so duration is not greater than 2 years, or
24 months, or 99 weeks.)

Q21C-CK. CHECK ITEM
LAYCK2

Entry in Q21C is 1 - 4 months......(Ask Q21C-1)
All others........................(Skip to Q21D)

Q21C-1. We would like to have that in weeks, if possible. Exactly how many
LAYDR3 weeks had you been on layoff?

Number of weeks __

[blind] Don't know......0 (Ask Q21D)
[blind] Refused........0 (Ask Q21D)

Q21D. Is the job from which you are on layoff a full-time job of
LAYFT 35 hours or more per week?

Yes........... 0 (Skip to Q25 (c))
No .... 0 (Skip to Q25 (c))
[blind] Don't know.... 0 (Skip to Q25 (c))
[blind] Refused...... 0 (Skip to Q25 (c))

Q21-DPCK2. CHECK ITEM
LAYCK3

Previous month's industry or occupation code was referred...(Skip
to Q25 (c))
All others...................................(Skip to Q28-CK) Carry forward
previous month's I/O)

ON LAYOFF (continued)

Q22C.

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?

Q22D. Has ... been looking for for full-time or part-time
work?

Full..............0
Part..............0

LOOKING   revised 1/14/94

Q22.
LK Have you been doing anything to find work during the last 4 weeks?

Yes......... 0   (Skip to Q22A)
No 0   (Skip to Q23-CK1)
Retired 0   (Skip to Q22-CK2)
Disabled 0   (Go to Q22-CK1)
Unable....... 0   (Go to Q22-CK1)
[blind] Don't know.. 0   (Skip to Q23-CK1)
[blind] Refused..... 0   (Skip to Q23-CK1)

Q22-CK1. CHECK ITEM
LKCK1
Entry in Q20A-1 or Q20A-2.........(Skip to Q23-CK1)
Entry in Q22 is Disabled.........(Back to Q20A-1)
Entry in Q22 is Unable...........(Back to Q20A-2)

Q22-CK2. CHECK ITEM
LKCK2
Person is 50+ yrs. old.........: (Skip to Q27-CK)
Person is less than 50 yrs. old.: (Skip to Q23-CK1)

Q22A. What are all of the things you have done to find work during
LKW1 the last 4 weeks?
(Mark ALL methods used; do not read list.
After each response ask, "Anything else?")

ACTIVE	PASSIVE

Contacted:
employer directly/interview............0   Looked at ads.............0
public employment agency...............0   Attended job training
private employment agency..............0   programs/courses........0
friends or relatives 0   Other passive..(specify).....0
school/university employment ctr.......0   LKNPS1-LKNPS6
Sent out resumes/   (Skip to Q22A-DK1)
filled out applications................0
Checked union/professional registers...0   Nothing.................0
Placed or answered ads.................0   (Skip to Q22A-DK)
Other active.......(specify)..0
(Skip To Q22B)   LKNPS1 - LKNPS6

[blind] Don't know.................0   (Ask Q22A-DK)
[blind] Refused....................0   (Skip to Q23-CK1)
NOTE: Responses of "Don't know" and "Nothing" should only be allowed as the
first entry. The skip instruction for "passive" applies only if there is not
an "active" method also mentioned.

LOOKING

Q22. [If LK in Q19, Skip to Q22A]
... Has ... been looking for work during the past 4 weeks?

Yes......0
No.......0   (Go to Q24)

Q22A. What has ... been doing in the last 4 weeks to find
work? (Mark all methods used; do not read list.)

Checked with—
pub. employ. agency......0
pvt. employ. agency......0
employer directly........0
friends or relatives.....0

Placed or answered ads...0
Nothing..................0   (Skip to Q24)
Other (Specify in notes,
e.g. JTPA, union or prof.
register, etc...........0

Q22A-DK. You said you have been trying to find work. How did you go about
LKDK1   looking?

ACTIVE

Contacted:
employer directly/interview.......... 0
public employment agency............. 0
private employment agency............ 0
friends or relatives 0
school/university employment ctr..... 0

Sent out resumes/
filled out applications.......... 0
Checked union/professional registers..0
Placed or answered ads..............0
Other active...........(specify)..0
(Skip To Q22B)

PASSIVE

Looked at ads.................0
Attended job training
programs/courses........0
Other passive..(specify).....0

(Skip to Q23-CK1)

Nothing......................0
(Skip to Q23-CK1)

[blind] Don't know.................... 0   (Skip to Q23-CK1)
[blind] Refused...................... 0   (Skip to Q23-CK1)
NOTE: Responses of "Don't know" and "Nothing" should only be allowed as the
first entry.

Q22A-DK1. Can you tell me more about what you did to search for work?
LKPS1

ACTIVE

Contacted:
employer directly/interview.......... 0
public employment agency............. 0
private employment agency............ 0
friends or relatives 0
school/university employment ctr..... 0

Sent out resumes/
filled out applications.......... 0
Checked union/professional registers..0
Placed or answered ads..............0
Other active...........(specify)..0

(Skip To Q22B)

PASSIVE

Looked at ads.................0
Attended job training
programs/courses........0
Other passive..(specify).....0

(Skip to Q23-CK1)

Nothing......................0
(Skip to Q23-CK1)

No......................0
(Skip to Q23-CK1)

[blind] Don't know.................... 0   (Skip to Q23-CK1)
[blind] Refused...................... 0   (Skip to Q23-CK1)
NOTE: Responses of "Don't know" and "Nothing" should only be allowed as the
first entry.

LOOKING (continued)

Q22E. Could ... have taken a job LAST WEEK if one had been offered?

Yes......O
No.......O =====> Why not?

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

Q22B. At the time ... started looking for work, was it because he/she lost or quit a job or was there some other reason?

Lost job...............O
Quit job...............O
Left school............O
Wanted temporary work......O
Change in home or family responsibilities.........O
Left military service........O
Other (Specify in notes)....O

LOOKING (continued)

Q22B. LAST WEEK, could you have started a job if one had been offered?
LKAWL

Yes........O (Skip to Q22-DPCK)
No.........O (Ask Q22B-1)
[blind] Don't know. O (Skip to Q22-DPCK)
[blind] Refused ... O (Skip to Q22-DPCK)

Q22B-1. Why is that?
LKAVR

Waiting for new job to begin......O
Own temporary illness.............O
Going to school...................O
Other (specify in notes)..........O (Skip to Q24-CK)
LKAVS
[blind] Don't know................O (Skip to Q24-CK)
[blind] Refused...................O (Skip to Q24-CK)

Q22-DPCK. CHECK ITEM
LKCK3

MIS=2, 3, or 4, and person was unemployed (looking) last month (Carry over previous month's responses to Q22C-1 and Q22C-2. If previous month's entry to Q22D was "within last 12 months", then update Q22D by comparing previous month's entry to Q22D-1 to the current month and year to determine if it is still "within last 12 months." Carry over previous month's entry to Q22F. Note: updating and carrying over should only be done if the input values of the appropriate items are not "D", "R", or "blank".............(SKIP TO Q22F-CK.)

All others...(Skip to Q22C-1)

Q22C-1. BEFORE you started looking for work, what were you doing: working,
LKLL1 going to school, or something else?

Working ....O (Ask Q22C-2)
School ....O (Skip to Q22D)
Left military service..O (Plug "Quit Job" in Q22C-2 and skip to Q22D)
Something else (specify) O (Skip to Q22D)
[blind] Don't know ....O (Skip to Q22D)
[blind] Refused ....O (Skip to Q22D)

Q22C-2. Did you lose or quit that job, or was it a temporary job that ended?
LKLL2

Lost job...........O
Quit job...........O
Temporary job ended..O
[blind] Don't know........O
[blind] Refused..........O

LOOKING (continued)   revised 6/23/92

Q22D. (If Q22C-2 has an entry, then fill parenthetical with "that".)
LKLW   When did you last work at (a) job or business?

Within last 12 months......0 (Skip to Q22E)
More than 12 months ago....0 (Skip to Q22E)
Never worked ....0 (Skip to Q22E)
[blind] Don't know ....0 (Skip to Q22E)
[blind] Refused ....0 (Skip to Q22E)

Q22D-1. (ASK IF NECESSARY, OTHERWISE VERIFY)
LKDAT   What was the month and year that you last worked?

Month ____ Year ____
LKDATM   LKDATY
[blind] Don't know..........0
[blind] Refused.............0
[Include range check to accept entry of survey month one year ago.]

Q22E. As of the end of LAST WEEK, how long had you been looking for work?
LKDUR1

Number -- --   Weeks...0
               Months..0
               Years...0   LKDUR2
[blind] Don't know 0
[blind] Refused.............0
Range check - Entry cannot be greater than 99 weeks or 24 months or 2 years.

Q22E-CK. CHECK ITEM
LKCK4
Entry in Q22E is 1 - 4 months...(Ask Q22E-1)
All others.....................(Skip to Q22F)

Q22E-1. We would like to have that in weeks, if possible. Exactly how many
LKDUR3   weeks had you been looking for work?

Number of weeks --   DUR
[blind] Don't know....0
[blind] Refused.......0

Q22F. Have you been looking for full-time work of 35 hours or more
LKFT   per week?

Yes 0
No 0
Doesn't matter.0
[blind] Don't know.....0
[blind] Refused 0

LOOKING (continued)

Q22F. When did ... last work at a full-time job or business
lasting 2 consecutive weeks or more?

Within last 12 months (Specify)........0
             (Month):

One to five years ago...............0
More than 5 years ago...............0
Never worked full-time 2 wks. or more..0
Never worked at all.................0

[Skip to Q23. If layoff entered in Q21A, 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."]

Q22C. 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?

Q22D. Has ... been looking for for full-time or part-time
work?

Full..............0
Part..............0

L O O K I N G (continued)

```
===============================================================
Q22F-CK   CHECK ITEM
LKCK5     Q22D is "never worked"...............(Skip to Q28-CK)
          If unemployed last month.............(Go to Q22F-CK2)
          If employed last month ..............(Go to Q22F-CK2)
          All Others...........................(Skip to Q25(d))
===============================================================

Q22F-CK2.  CHECK ITEM
LKCK6
Previous month's industry or occupation was referred...(Skip to Q25 (d))
                                                       (Carry over previous month's
All others.............................................  I/O and skip to Q28-CK.
===============================================================
```

DISCOURAGED WORKERS

Q24C. Does ... want a regular job now, either full- or part-time?

```
Yes.........................0  (Go to Q24D)
Maybe - it depends
  (Specify in notes)......0  (Go to Q24D)
No..........................0  (Skip to Q24E)
Don't know.................0  (Skip to Q24E)
```

DISCOURAGED WORKERS

Q23-CK1 CHECK ITEM
DWCK1
```
Q20-2 is "no"........................ (Skip to Q28-CK)
Q20B-1 is "Waiting for new job to begin... (Skip to Q27-CK)
Q20-num is "yes" or "maybe"....(Plug Q23 "yes" and skip to Q23-CK4.)
All others...........................(Ask Q23)
```

Q23. Do you currently want a job, either full or part time?
DWANT
```
Yes, or maybe, it depends ..0  (Skip to Q23-CK4)
No..........................0  (Skip to Q24-CK)
Retired.....................0  (Skip to Q23-CK3)
Disabled....................0  (Skip to Q23-CK2)
Unable......................0  (Skip to Q23-CK2)
Don't know..................0  (Skip to Q24-CK)
Refused.....................0  (Skip to Q24-CK)
[blind]
[blind]
```

Q23-CK2. CHECK ITEM
DWCK2
```
Entry in Q20A-1 or Q20A-2....(Skip to Q24-CK)
Entry in Q23 is Disabled.....(Back to Q20A-1)
Entry in Q23 is Unable.......(Back to Q20A-2)
All others...................(Skip to Q23-CK4)
```

Q23-CK3. CHECK ITEM
DWCK3
```
Person is 50+.............  (Skip to Q27-CK)
Person is less than 50..  (Skip to Q23-CK4)
```

Q23-CK4. CHECK ITEM
DWCK4
```
(Q22A-dk is only "Looked at ads," "Attended job training," and/or "Other
passive) OR (Q22A-dk1 is only "Looked at ads," "Attended job training,"
and/or "Other passive") or (Q22A is "looked at ads," attended job
training" and/or "other passive")....(Skip to Q23B-CK)

All others.............................(Ask Q23A)
```

DISCOURAGED WORKERS (continued) revised 3/10/92

Q23A.
DMRSH What is the main reason you were not looking for work during the LAST 4 WEEKS?
(Do not read list.)

Believes no work available in
line of work or area.......................0
Couldn't find any work....................0
Lacks necessary schooling, training, skills
or experience..........0
Employers think too young or too old......0
Other types of discrimination.............0
Child care problems.......................0
Family responsibilities...................0
In school or other training...............0
Ill-health, physical disability...........0
Transportation problems...................0
Other....................(specify)........0
DMRSP [blind] Don't know.......................0
[blind] Refused...........................0

Q23B-CK. CHECK ITEM
DMCK5
Q22 is "yes"...........(Plug Q23B "yes" and Skip to Q23B-1)
All others............(Ask Q23B)

Q23B.
DMLK Did you look for work at any time during the last 12 months?

Yes.............0
No..............0 (Skip to Q24-CK)
[blind] Don't know .....0 (Skip to Q24-CK)
[blind] Refused ....0 (Skip to Q24-CK)

Q23B-1.
DMWK Did you actually WORK at a job or business during the last 12 months?

Yes............0
No.............0 (Skip to Q23C)
[blind] Don't know....0 (Skip to Q23C)
[blind] Refused .....0 (Skip to Q23C)

Q23B-2.
DM4WK Did you do any of this work during the last 4 weeks?

Yes ....0 (Skip to Q24-CK)
No 0
[blind] Don't know ... 0
[blind] Refused 0

DISCOURAGED WORKERS (continued)

Q24D. What are the reasons ... is not looking for work?
(Mark each reason mentioned)

Believes no work available in
line of work or area............0
Couldn't find any work..........0
Lack's nec. schooling, training,
skills or experience............0
Employers think too young or
too old.........................0
Other pers. handicap in finding job....0
Can't arrange child care........0
Family responsibilities.........0
In school or other training.....0
Ill health, physical disability....0
Other (Specify in notes)........0
Don't know......................0

DISCOURAGED WORKERS (continued)

Q23B-3. And since you LEFT that job or business have you looked for work?
DWLKMK

Yes...........	0	
No	0	(Skip to Q24-CK)
[blind] Don't know....	0	(Skip to Q24-CK)
[blind] Refused	0	(Skip to Q24-CK)

Q23C. LAST WEEK, could you have started a job if one had been offered?
DWAVL

Yes...........	0	(Skip to Q24-CK)
No	0	
[blind] Don't know....	0	(Skip to Q24-CK)
[blind] Refused	0	(Skip to Q24-CK)

Q23C-1. Why is that?
DWAVR

Own temporary illness......	0
Going to school............	0
Other (specify in notes)...	0
[blind] Don't know...............	0
[blind] Refused.................	0

JOB HISTORY   revised 1/27/94

Q24-CK. CHECK ITEM
JHCK1   If Q20-num is "yes", "D" or "R"....(Skip to Q27-CK)
         Outgoing Rotation ....(Go to Q24-CK1)
         All Other Rotations.................(Skip to Q27-CK1)

Q24-CK1. CHECK ITEM
JHCK2   Q23B-1 is Yes............(Plug Q24A "yes". If previous month's labor
                                    force status was unemployed or "on
                                    layoff", plug Q24-DEP with value
                                    in Q23B-2 and skip to Q24B;
                                    otherwise, skip to Q24B.)
         Q23B-1 is no, D, or R....(Plug Q24A "no", "D" or "R" - Skip to Q24C)
         All others................(Ask Q24A)

Q24A.   Have you worked at a job or business at any time during the
JHWK   past 12 months?

         Yes 0
         No 0   (Skip to Q24C)
[blind] Don't know 0   (Skip to Q24C)
[blind] Refused 0   (Skip to Q24C)

Q24-DPCK CHECK ITEM
JHCK3
         Previous month's labor force status was
         unemployed (lookers or layoff)............ (Ask Q24-DEP)
         All others................................ (Skip to Q24B)

I24-DEP. Did you do any of this work during the last 4 weeks?
JHDP1
         Yes...........0
         No...........0
         Don't know....0
         Refused.......0

Q24B.   What is the main reason you left your last job?
JHRSN
         Personal, family, (incl. pregnancy).........0
         Return to school............................0
         Health......................................0
         Retirement or old age.......................0
         Temporary, seasonal or intermittent
             job completed...........................0
         Slack work or business conditions...........0
         Unsatisfactory work arrangements
             (hours, pay, etc.)......................0
JHRSP   Other   (Specify)...........................0
[blind] Don't know..................................0
[blind] Refused.....................................0

JOB HISTORY (continued)

Q24E. Does ... intend to look for work of any kind in the next 12 months?

Yes.....O
It depends (Specify in notes).....O
No.....O
Don't know.....O

[If entry in Q24B, describe job in Q23, otherwise, skip to Q26.]

JOB HISTORY (continued) revised 1/26/93

Q24C.
JHWANT Do you intend to look for work during the next 12 months?
Yes, or it depends.....O
[blind] No.....O
[blind] Don't know.....O
Refused.....O

Q24C-CK. CHECK ITEM
JHCK4

Q24-DEP is "no", D or R.....(Go to Q24C-CK2)
Q24-DEP is "yes".....(Skip to Q25 (d))
If employed last month and Entry in Q24B.....(Skip to Q24C-CK2)
Entry in Q24B.....(Skip to Q25 (d))
All others.....(Skip to Q27-CK1)

Q24C-CK2. CHECK ITEM
JHCK5 If previous month's I/O was referred.....(Skip to Q25 (d))
All others.....(Skip to Q25E-CK and carryover I/O from previous month)

Q25-CK   CHECK ITEM
IOCK1
((MIS - 1 or 5) or (MIS=2, 3, 4, 6, 7 or 8 and previous month's labor force
status was unempl, layoff or NILF)) AND Q20B-a is "yes",.....(Skip to Q25(b))
(MIS - 1 or 5) OR (MIS=2,3,4,6,7, or 8 and prev.mo. labor force status was
NILF or unempl. AND ((Q20-yes) OR (Q201-CK2-conditions 1,2,3,
or blank))...(Skip to Q25(a))
1-company name is R or D or I-name is blank...............(Skip to Q25(a))
All others...(Ask Q25DEP-1)

[Fill third parenthetical if Q20C-1.]
Q25DEP-1.   Last month, it was reported that you worked for (I-company name).
IODP1   Do you still work for (I-company name) (at your main job)?

Yes..........O   (Go to Q25DEP-CK)
No...........O   (Skip to Q25-1)
Don't know...O   (Skip to Q25-1)
Refused......O   (Skip to Q25-1)

Q25DEP-CK.   CHECK ITEM
IOCK2   If Industry was referred last month.....(Skip to Q25B-1)
        If Occupation was referred last month...(Skip to Q25C)
        All others..............................(Ask Q25DEP-2)

Q25DEP-2.   Have the usual activities and duties of your job changed since
IODP2   last month?

Yes..........O   (Skip to Q25C)
No...........O
Don't know...O
Refused......O

Q25-DPCK1.   CHECK ITEM
IOCK3   If (I-OCC is D, R, or blank) OR (IF I-DT1 is D, R or blank)....;
                                                        (Go to Q25C)
        All others..(Ask Q25-DEP3)

Q25DEP-3.   Last month you were reported as (I-occupation) and your
IODP3   usual activities were (I-duty). Is this an accurate
              description of your current job?

Yes..........O   (Skip to Q25E-CK)
No...........O   (Skip to Q25C)
Don't know...O   (Skip to Q25E-CK)
Refused......O   (Skip to Q25E-CK)

INDUSTRY/OCCUPATION (Independent) (Revised 2/11/92)

Q25.
IO1INT
Now I have a few questions about the (main) job –
[a] (at which you worked LAST WEEK.)
[b] (from which you were absent LAST WEEK.)
[c] (from which you are on layoff.)
[d] (at which you last worked.)

(If Q25DEP-1 is "no", D or R then fill "LAST WEEK, was" in first parenthetical.)
(If Q19A is "yes", then fill second parenthetical. Corresponding response option should only be displayed if Q19A = yes)

Q25-1.
IO1INT
(Was) ... employed by government, by a private company, a non-profit organization, or was ... self employed (or working in a family business)?

Government.........................0 (Ask Q25-2)
Private for profit company........0 (Skip to Q25A-1)
Non-profit organization incl. tax exempt and charitable organizations.........0 (Skip to Q25A-1)
Self employed.....................0 (Skip to Q25-3)
Working in family business........0 (Skip to Q25-3)
[blind] Don't know................0 (Skip to Q25A-1)
[blind] Refused...................0 (Skip to Q25A-1)

Q25-2.
IO1GVT
Would that be the federal, state, or local government?

Federal...........................0 (Skip to Q25A-2)
State.............................0 (Skip to Q25A-2)
Local (county, city, township)....0 (Skip to Q25A-2)
[blind] Don't know................0 (Skip to Q25A-2)
[blind] Refused...................0 (Skip to Q25A-2)

Q25-3.
IO1INC
(If Q25 (c) or Q25 (d) lead-in was used fill "was" in parenthetical.
(Is) this business incorporated?

Yes........0 (Skip to Q25A-3)
No.........0
Don't know.0
[blind] Refused....0

INDUSTRY AND OCCUPATION (Independent)

Q23E.
Was this person:
An employee of a PRIVATE CO., bus., or individual for wages, salary or comm.....P ...0 (Go to Q23F)
A FEDERAL gov't employee.........F ...0 (Go to Q23F)
A STATE gov't employee...........S ...0 (Go to Q23F)
A LOCAL gov't employee...........L ...0 (Go to Q23F)
Self-empl. in OWN bus., prof. practice, or farm
    Is the business incorporated?
    Yes....................I ...0 (Skip to Q26)
    No....................SE ...0 (Skip to Q26)
Working WITHOUT PAY in fam. bus. or farm.....WP ...0 (Skip to Q26)
NEVER WORKED ....NEV ...0 (Skip to Q26)

INDUSTRY/OCCUPATION (Independent -- continued)   Rev. 2/11/92

INDUSTRY AND OCCUPATION (Independent--continued)

Q25-3CK. CHECK ITEM
IOCK4
(If Q20-2 is "no", D or R) AND Q20T-1 is 15+...(Plug "no" in
Q25-4 and skip to Q25A-3)

If Q19A-list not equal to L_no AND Q20-2 is "yes"..(Skip to Q25A-3,
Plug "yes" in Q25-4)

If Q19A-list not equal to L_no, ask Q25-4)
Otherwise, skip to Q25A-3)

Q25-4. Was ... working for pay?
IO1WP

Yes...........0 (Skip to Q25A-3)
No............0 (Skip to Q25A-3)

[blind] Don't know...0 (Skip to Q25A-3)
[blind] Refused......0 (Skip to Q25A-3)

(If Q25-1 is "non-profit organization", then fill second
parenthetical, otherwise, fill first parenthetical.)
(If Q25 (c) or Q25 (d) lead-in was used, then fill "worked" in third
parenthetical.
(If Q20C is "yes" fill "at your/his/her Main Job" in fourth
parenthetical.)

Q25A-1. What is the name of the (company) (non-profit organization) for
IO1NWP which ... (works) (at your/his/her Main Job)?
(name of company, business, organization or other employer)
(Skip to Q25B-1)

[blind] Don't know.....0 (Skip to Q25B-1)
[blind] Refused.......0 (Skip to Q25B-1)

(If Q25 (c) or Q25 (d) lead-in was used, then fill "worked" in first
parenthetical.
(If Q20C is "yes" fill "at your/his/her Main Job" in second
parenthetical.)

Q25A-2. What is the name of the government agency for which ... (works)
IO1NWG (at your/his/her MAIN Job)?
(Skip to Q25B-1)

[blind] Don't know.....0 (Skip to Q25B-1)
[blind] Refused.......0 (Skip to Q25B-1)

(If Q19-LIST does not equal L_no, then display alternative question.)
(If Q25 (c) or Q25 (d) lead-in was used, then fill "worked" in second
parenthetical.)

Q25A-3. What is the name of ...'s business? (What is the name of the IO1NWB
IO1NWB business for which ... (works)?

[blind] Don't know....0
[blind] Refused......0

Q23A. For whom did ... work? (Name of company, business,
organization or other employer.)

INDUSTRY / OCCUPATION (Independent - continued) (1/13/94)

(If Q25 (c) or Q25 (d) lead-in was used, then fill "worked" in second parenthetical).

Q25B-1. What kind of business or industry is this?
IO1IND READ IF NECESSARY:(What do they make or do where you (work)?)

(Ask Q25B-2)

[blind] Don't know 0 (Skip to Q25C)
[blind] Refused 0 (Skip to Q25C)

Q25B-2. (ASK IF NECESSARY)
IO1MFG Is this business or organization mainly manufacturing, retail trade, wholesale trade, or something else?

Manufacturing 0
Retail Trade 0
Wholesale Trade 0
Something else 0
Don't know 0
Refused 0

[blind]
[blind]

(If Q25 (c) or Q25 (d) lead-in was used fill "did" in first parenthetical)
(If Q25 (c) or Q25 (d) lead-in was used fill "was" in second parenthetical)

Q25C. What kind of work (do) you do, that is, what (is) your occupation?
IO1OCC (For example: plumber, typist, farmer)

[blind] Don't know 0
[blind] Refused 0

(If Q25 (c) or Q25 (d) lead-in was used fill "were" in first parenthetical)

Q25D. What (are) your usual activities or duties at this job?
IO1OT (For example: typing, keeping account books, filing, selling cars, operating printing press, laying brick)

IO1OT1
IO1OT2

[blind] Don't know 0
[blind] Refused 0

INDUSTRY AND OCCUPATION (Independent--continued)

Q23B. What kind of business or industry is this?
(For example: TV and radio mfg., retail shoe store, State Labor Dept.)

Q23C. What kind of work was ... doing? (For example: Electrical engineer, stock clerk, typist, farmer.)

Q23D. 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.)

INDUSTRY/OCCUPATION (Second Job) revised 1/26/94

Q25E-CK. CHECK ITEM
IOCK5

Entry in Q20C="yes" AND [(Q25-3 is "no") OR ((25-DEP=1 or 1-NAM is D,
   R, or blank) and I-COM=7 or 8)].............(Skip to Q25F)
Entry in Q20C......................................(Skip to Q25E-CK2)
Entry in Q20-1 is "yes"............................(Skip to Q25Q-CK)
Entry in Q24B is "retired".........................(END QUESTIONS)
Entry in Q24B is "not retired".....................(Skip to Q27-CK1)
Entry in Q27-1.....................................(END QUESTIONS)
Entry in Q21A-2 is "school/other", D or R..........(Skip to Q27B)
All others...(Skip to Q28-CK)

Q25E-CK2. CHECK ITEM
IOCK6

Q20C is "Yes" and HIS-CK = 4 or 8..(Skip to Q25F)
All others.........................(Skip to Q25Q-CK)

Q25-F. (IF Q20D is "3" or "4", then display parenthetical.)
IOPRO1 Now I have a few questions about your second job.
(READ IF NECESSARY: By second job I mean the one that you work
the second most hours.)

Enter <7> to proceed _

Q25-G. (IF Q19A is "yes", then fill parenthetical. Corresponding
IO2INT response option should only be displayed if Q19A = yes)
LAST WEEK at ...'s second job, was ... employed by government,
by a private company, a non-profit organization, or was ... self
employed (or working in a family business)?

Government.......................................0 (Ask Q25-H)
Private for profit company.......................0 (Skip to Q25-K-CK)
Non-profit organization incl. tax exempt
   and charitable organizations..................0 (Skip to Q25-K-CK)
Self employed....................................0 (Skip to Q25-I)
Working in family business.......................0 (Skip to Q25-K-CK)
[blind] Don't know...............................0 (Skip to Q25-K-CK)
[blind] Refused..................................0 (Skip to Q25-K-CK)

Q25-H. Would that be the federal, state or local government?
IO2GVT

Federal..........................0 (Skip
State............................0   to
Local (county, city, township)...0 Q25-K-CK)
[blind] Don't know...............0 (Skip to Q25-K-CK)
[blind] Refused..................0 (Skip to Q25-K-CK)

INDUSTRY/OCCUPATION (Second Job - continued)

Q25-I. Is this business incorporated?
IO2INC

- Yes...........0
- No............0
- [blind] Don't know...0
- [blind] Refused.......0

Q25-I-CK1. CHECK ITEM
IOCK7

- (MIS-4 or 8) and Q25-I is "yes".............(Skip to Q25-N)
- (MIS-4 or 8) and Q25-I is "no" "D" or "R"....(Go to Q25-I-CK2)
- All others.................................(Skip to Q25Q-CK)

Q25-I-CK2. CHECK ITEM
IOCK7A

If Q19A-list not equal to L_no, ask Q25-J.
Otherwise, skip to Q25-N)

Q25-J. Was ... working for pay?
IO2WP

- Yes...........0 (Skip to Q25-N)
- No............0 (Skip to Q25-N)
- [blind] Don't know...0 (Skip to Q25-N)
- [blind] Refused......0 (Skip to Q25-N)

Q25-K-CK. CHECK ITEM
IOCK8

- (MIS-4 or 8) and Q25G is "government"............(Skip to Q25-L)
- (MIS-4 or 8) and Q25G is "private", "non-profit",
  DK or Refusal..................................(Go to Q25-K)
- All others.....................................(Skip to Q25Q-CK)

(If Q25G is "non-profit organization," then fill second
parenthetical, otherwise fill first parenthetical.)

Q25-K. What is the name of the (company) (non-profit organization) for which
IO2NWP ... works at (his/her/your) SECOND Job?
(name of company, business,organization or other employer)

(Skip to Q25-N)

- [blind] Don't know ....0 (Skip to Q25-N)
- [blind] Refused.......0 (Skip to Q25-N)

Q25-L. What is the name of the government agency for which ... works
IO2NWG at (his/her/your) SECOND Job?

(Skip to Q25-N)

- [blind] Don't know....0 (Skip to Q25-N)
- [blind] Refused.......0 (Skip to Q25-N)

INDUSTRY/OCCUPATION (Second Job - continued) (1/13/94)

Q25-M.
I02NMB
(If Q19-LIST does not equal t_no, then display alternative question.)
What is the name of ...'s business? (What is the name of the I02NMB business for which ... works?)

[blind] Don't know....0
[blind] Refused......0

Q25-N.
I021ND
What kind of business or industry is this?

READ IF NECESSARY: (What do they make or do where you work?)
(Ask Q25-O)

[blind] Don't know ..0 (SKIP to Q25P)
[blind] Refused .....0 (SKIP to Q25P)

Q25-O.
I02NFG
(ASK IF NECESSARY)
Is this business or organization mainly manufacturing, retail trade, wholesale trade, or something else?

Manufacturing 0
Retail Trade 0
Wholesale Trade 0
Something else 0
[blind] Don't know 0
[blind] Refused 0

Q25-P.
I02OCC
What kind of work do you do at your SECOND job, that is, what is your occupation? (For example: plumber, typist, farmer.)

[blind] Don't know 0
[blind] Refused 0

Q25-Q.
I02DT
What are your usual activities or duties at this job?
(For example: typing, keeping account books, filing, selling cars, operating printing press, finishing concrete.)

I02DT1
I02DT2
(Skip to Q25Q-CK)

[blind] Don't know 0 (Skip to Q25Q-CK)
[blind] Refused 0 (Skip to Q25Q-CK)

INDUSTRY/OCCUPATION (continued)

Q25Q-CK   CHECK ITEM

Line number of current person equals
line number of current household respondent.....{Skip to Q26-CK}
All others.....................................{Go to Q25Q-CK1}

Q25Q-CK1 CHECK ITEM
IOCK10   *****DO NOT READ TO RESPONDENT*****

Did ... provide any of the industry and occupation information you
just collected?

        Yes....0   {Skip to Q26-CK}
        No.....0   {Go to Q25Q-CK2}

Q25Q-CK2 CHECK ITEM
IOCK11   *****DO NOT READ TO RESPONDENT*****

Did anyone other than {fill household respondent's name} provide any
of the industry and occupation information you just collected?

        Yes...0   {Go to Q25Q-CK3}
        No....0   {Skip to Q26-CK}

Q25Q-CK3 CHECK ITEM
IOCK12   *****DO NOT READ TO RESPONDENT*****

Who was that?

(Display household roster so person name and line number appears)

Enter line number __ __

E A R N I N G S

Q25-CK. CHECK ITEM
ERNCK.
Outgoing rotation and Q20-1 is "yes"..............(Go to Q28-CK)
Outgoing Rotation and ((Entry in Q20C and Q25-3 is "no") OR
((Q25DEP-1=1 and previous month's COW was 7 or 8))..(Skip to Q28-CK)
Outgoing Rotation.........................(Go To Q26)
All other Rotations.......................(Skip to Q28-CK)

Q26. This month I have a few questions about earnings.
ERNP

Q26A. (If Q20C is "yes", then fill parenthetical.)
ERNPR For your (MAIN) job, what is the easiest way for you to report your
total earnings BEFORE taxes or other deductions; hourly, weekly,
annually, or on some other basis?

(READ IF NECESSARY: We use this information to compare the amount
that people earn in different types of jobs.)

Hourly.............0
Weekly.............0
Bi-weekly..........0
Twice monthly......0
Monthly............0
Annually...........0
Other (specify)....0

ERNPRS
[blind] Don't know 0
[blind] Refused.........0   (Skip to Q26I)

Q26B. (If Q20C is "yes", fill parenthetical.)
ERNUOT Do you usually receive overtime pay, tips, or commissions
(at your MAIN job)?

Yes 0
No 0
[blind] Don't know...0
[blind] Refused.....0

EARNINGS (continued)

Q26B-CK2   CHECK ITEM
ERMCK2

Q26A is hourly..................	(Ask Q26C)
Q26A is weekly, other or DK.....	(Skip to Q26D-2)
Q26A is biweekly...............	(Skip to Q26D-5)
Q26A is monthly or twice monthly...	(Skip to Q26D-3)
Q26A is annually	(Skip to Q26D-4)

(If Q26B is "yes", then fill first parenthetical.)
(If Q26C is "yes", then fill second parenthetical with "your MAIN".)

Q26C. (EXCLUDING overtime pay, tips and commissions) What is your hourly
ERMHRT rate of pay on (this) job?

Enter dollar amount===> __ __ . __ __   (Skip to Q26C-1)

[blind] Don't know   0 (Skip to Q26C-DK)
[blind] Refused   0 (Skip to Q26I)
Range check $1.00 to 30.00   (If fails range edit, go to Q26C-RNG)

Q26C-DK. What is your best estimate of your hourly rate of pay?
ERMHRE

Enter Dollar amount===> __ __ . __ __   (Skip to Q26C-1)

[blind] Don't know   0 (Skip to Q26I)
[blind] Refused   0 (Skip to Q26I)
Range check $1.00 to 30.00   (If fails range edit, go to Q26C-RNG)

Q26C-RNG   RANGE CHECK
ERMRG1   (If Q26C-DK has entry then fill parenthetical with Q26C-DK.
Otherwise, fill with Q26C.)

DO NOT READ

Hourly earnings recorded as: (fill Q26C) hourly
IS THIS ENTRY CORRECT?

Yes.....(Go to Q26C-1)
No......(Go to Q26C-RNG2)

Q25C. How much does ... earn per hour?

E A R N I N G S (continued)   revised 12/1/92

Q26C-RNG2.   CHECK ITEM
ERNHICO   (If Q26C-DK has entry then fill parenthetical with Q26C-DK.

Otherwise fill with Q26C.)
DO NOT READ

INCORRECT ENTRY WAS RECORDED AS: (FILL Q26C) hourly

CORRECT ENTRY IS:
==>[N] $ __ - __ . __

Q26C-1.   How many hours do you usually work per week at this rate?
ERNHR

Enter number of hours   __   (Go to Q26C-CK)

[blind] Don't know.....0 (Go to Q26C-1CK)
[blind] Refused........0 (Go to Q26C-1CK)

(Range check 01-99)

Q26C-1CK.   CHECK ITEM
ERNCK4   If Q20E-a is D, V, or R ....(Skip to Q26D-2)
               All others......................(Plug Q26C-1 with Q20E-a and
                                                      Skip to Q26C-CK)

Q26C-CK.   CHECK ITEM
ERNCK5   Q26B is "yes"....(Ask Q26D-1)
             All others.....(Skip to Q26D-1VER)

Q26D-1.   (If Q20C is "yes", fill parenthetical.)
ERNOTA

(At your MAIN job,) How much do you usually receive JUST in overtime
pay, tips or commissions, before taxes or other deductions?

Enter Dollar amount==>__ - __ . __
                                        per hour....0 (Skip to Q26D-1a)
                                        per day.....0 (Skip to Q26D-1DK)
                                        per week....0 (Skip to Q26D-1VER)
                                        per month...0 (Skip to Q26D-1VER)
                                        per year....0 (Skip to Q26D-1VER)
                                        Other.......0 (Skip to Q26D-1DK)

[blind] Don't know   0 (Skip to Q26D-1DK)
[blind] Refused   0 (Skip to Q26I)

(Range Edit If entry is per hour - $1 to $30;
            If entry is per day - $1 to $240;
            If entry is per week - $1 to $1,500;
            If entry is per month - $1 to $6,000;
            If entry is per year - $1 to $72,000)

[If falls range edit, skip to Q26D-1-RNG)

EARNINGS (continued)

Q25A. How many hours per week does ... USUALLY work at this job?

10A-37

E A R N I N G S (continued)   revised 12/1/92

Q26D-1DK. What is your best estimate of how much you usually earn WEEKLY,
ERNOTE   JUST in overtime pay, tips, or commissions, before taxes or other
            deductions?

                    Enter Dollar amount--> _ _ _ _ (Skip to Q26D-1VER)

[blind] Don't know   0 (Skip to Q26I)
[blind] Refused   0 (Skip to Q26I)

Range Edit ($ 1 to 1500) (If fails range edit, go to Q26D-1-RNG)

Q26D-1-RNG RANGE CHECK
ERNRG2   (If Q26D-1DK has entry, then fill first parenthetical with
            "weekly"   and second parenthetical with Q26D-1DK.)
            (Otherwise, fill first parenthetical with periodicity specified in
            Q26D-1 and second parenthetical with amount specified in Q26D-1.)

            DO NOT READ

            Usual (Weekly) earnings in overtime pay, tips or commissions recorded
            as: (fill Q26D-1 or Q26D-1DK)
            IS THIS ENTRY CORRECT?

                    Yes....(Go to Q26D-1aCK)
                    No.....(Go to Q26D-1RNG2)

Q26D-1RNG2. CHECK ITEM
ERNOCO   (If Q26D-1DK has entry, then fill parenthetical with Q26D-1DK.
             Otherwise fill with Q26D-1.)

             DO NOT READ

             INCORRECT ENTRY WAS RECORDED AS: (FILL Q26D-1)

             CORRECT ENTRY IS:

                    -->[N] $ _ _ _

Q26D-1aCK. CHECK ITEM
ERNCK7

             Entry in Q26D-1 is "per hour".................(Ask Q26D-1a)
             All others....................................(Skip to Q26D-1VER)

E A R N I N G S (continued)   revised 12/1/92

Q26D-1a. How many hours do you usually work per week at this rate?
ERNOH

                Enter number of hours __   (Skip to Q26D-1VER)

                [blind] Don't know.....0 (Ask Q26D-1b)
                [blind] Refused.......0 (Skip to Q26I)

Q26D-1b. What is your best estimate of the number of hours per week you
ERNOHE   usually work at this rate?

                Enter number of hours __   (Ask Q26D-1VER)

                [blind] Don't know.....0 (Skip to Q26I)
                [blind] Refused.......0 (Skip to Q26I)

Q26D-1VER. Calculate weekly earnings variable (HHKRN) by (multiplying entry
ERNVRI   in Q26C-1 by entry in Q26C or Q26C-DK) and adding in the entry to
           Q26D-1 or Q26D-1DK).

           NOTE: Conversion to "weekly" estimates are necessary for different
           periodicities in Q26D-1, Q26D-1DK. Also, for persons responding
           as "per hour", the entry must be multiplied by Q26D-1a or Q26D-1b.
           The entry of "per month" should be divided by "4" and the entry of
           "per year" should be divided by "52".

           (Fill parenthetical if Q20C-1.)

           I have estimated your usual WEEKLY earnings (for your main job) as
           $ HHKRN before taxes or other deductions. Does that sound correct?

                Yes...............0 (Skip to Q26I)
                No................0 (Go to Q26D-1VER2)

                [blind] Don't know.....0 (Ask Q26D-1VER2)
                [blind] Refused.......0 (Skip to Q26I)

E A R N I N G S (continued)   revised 12/1/92

Q26D-IVER2. In "3." below fill second parenthetical with periodicity specified
ERNVR2   in Q26D-1 or Q26D-1DK.

I have recorded:
1.   (fill Q26C or Q26C-DK) as your hourly rate of pay.
2.   (fill Q26C-1) as the number of hours you usually worked at this rate.
3.   (fill Q26D-1 or Q26D-1DK) as the amount you usually earned (weekly) in
     overtime pay, tips and commissions.
4.   (fill Q26D-1a or Q26D-1b) as the number of hours per week you usually
     work at this rate.

a.   Which piece of information does not seem to be correct?

DO NOT READ: Enter number corresponding to line requiring correction

          All information is correct.   (Enter "P" to proceed)

          ===>

[blind]   Don't know.......
[blind]   Refused........(Skip to Q26I)

(If "1." then display: "What is your hourly rate of pay on this job, excluding
                         overtime pay, tips or commissions?")

(If "2." then display: "How many hours do you usually work per week at the
                         rate of (fill Q26C) ?")

(If "3." then display: "How much do you usually earn WEEKLY just in overtime
                         pay, tips or commissions?")

(If "4." then display: "How many hours do you usually work per week at the
                         rate of (fill Q26D-1)?")

(If "P" or "OK" then display: Then, (including overtime pay, tips and
                                commissions,) what are your usual WEEKLY
                                earnings on (this) job, before taxes or other
                                deductions?

          Correct entry is _ _ _ _   ERNMK1

[blind]   Don't know......(Skip to Q26I)
[blind]   Refused........(Skip to Q26I)
NOTE: Allow any of the four pieces to be corrected. Store new entry with
       different varible name. Recalculate weekly earnings (but do not
       overwrite original weekly earnings) as HWKRN2

EARNINGS (continued)

E A R N I N G S (continued) revised 1/26/94.

Q26D-1VER3.
ERNVR3.   (Fill parenthetical if Q20C-1.)

I have estimated your total WEEKLY earnings (,for your main job,) as $ (fill HWKRN2) WEEKLY before taxes or other deductions. Does that sound correct?

Yes....................................0   [Skip to Q26I]
No (Irreconcilable difference)...0   [Skip to Q26I]

Q26D-2.   (If Q26B is "yes"; then fill first parenthetical.)
ERNWK.   (If Q20C is "yes"; then fill second parenthetical with "your MAIN".)

(Including overtime pay, tips and commissions) What are your usual weekly earnings on (this) job, before taxes or other deductions?

Enter Dollar amount===> _ _ _   (Skip to Q26D-2VER)

[blind] Don't know 0   (Skip to Q26D-2DK)
[blind] Refused   0   (Skip to Q26G)

Range Edit ($ 1 to 1500) (If fails range edit, skip to Q26D-2RNG)

Q26D. How much does ... USUALLY earn per week at this job BEFORE deductions? Include any overtime pay, commissions, or tips usually received.

Q26D-2DK.   What is your best estimate of your usual weekly earnings before
ERNDKP.   taxes or other deductions?

Enter Dollar amount===> _ _ _ _   (Skip to Q26D-2VER)

[blind] Don't know 0   (Skip to Q26G)
[blind] Refused   0   (Skip to Q26G)
Range Edit ($ 1 to 1500) (If fails range edit, skip to Q26D-2RNG)

Q26D-2RNG RANGE CHECK
ERNRG3   (If Q26D-2DK has entry then fill parenthetical with Q26D-2DK.
           Otherwise, fill with Q26D-2.)

DO NOT READ
Weekly earnings recorded as: (fill Q26D-2) weekly
IS THIS ENTRY CORRECT?

Yes....(Go to Q26D-2VER)
No.....(Go to Q26D-2RNG2)

E A R N I N G S (continued) revised 12/1/92

Q26D-2RNG2. CHECK ITEM
ERNRGP. {If Q26D-2DK has entry then fill parenthetical with Q26D-2DK.
Otherwise fill with Q26D-2.}

DO NOT READ

INCORRECT ENTRY WAS RECORDED AS: (FILL Q26D-2) weekly

CORRECT ENTRY IS:

==>[N] $ _ _ _ _

Q26D-2VER. {Fill parenthetical if Q20C-1}
ERNVR4

I have recorded your total earnings (for your main job) as
$ {fill} Q26D-2 or Q26D-2DK) WEEKLY before taxes or other deductions.
Is that correct?

Yes................0 (Skip to Q26D-2VER-CK)
No.................0 (Go to Q26D-2VER2)

[blind] Don't know.........0 (Skip to Q26D-2VER-CK)
[blind] Refused...........0 (Skip to Q26D-2VER-CK)

Q26D-2VER-CK. CHECK ITEM
ERNCK9

Q26A is "hourly".................(Skip to Q26I)
All others......................(Skip to Q26G)

Q26D-2VER2.
ERNCOR   {If Q26B is "yes", then fill first parenthetical.}
          {Fill second parenthetical if Q20C-1}

(INCLUDING overtime pay, tips and commissions) What are your usual
weekly earnings on (this) job, before taxes or other deductions?

Enter Dollar amount==> _ _ _ _   (Do range check)
                                   (Go to Q26D-2VER2-CK2)

[blind] Don't know.........0 (Skip to Q26G)
[blind] Refused...........0 (Skip to Q26G)

Q26D-2VER2-CK2 CHECK ITEM
ERNCKA

Q26A is "hourly".................(Skip to Q26I)
All others......................(Skip to Q26G)

E A R N I N G S (continued) revised 1/25/94

Q26D-3.
ERNMON
{If Q26B is "yes", then fill first parenthetical}
{If Q26C is "yes", then fill second parenthetical with "your MAIN".}

(Including overtime pay, tips and commissions,) What are your usual monthly earnings on (this) job, before taxes or other deductions?

Enter Dollar amount==> _ _ _ _ (Skip to Q26D-3VER)

[blind] Don't know 0 (Skip to Q26D-3DK)
[blind] Refused 0 (Skip to Q26G)

Range Edit ($ 1 to 6000) (If falls range edit, skip to Q26D-3RNG)

Q26D-3DK.
ERNDKP
What is your best estimate of your usual monthly earnings before taxes or other deductions?

Enter Dollar amount==> _ _ _ _ (Skip to Q26D-3VER)

[blind] Don't know 0 (Skip to Q26G)
[blind] Refused 0 (Skip to Q26G)
Range Edit ($ 1 to 6000) (If falls range edit, skip to Q26D-3RNG)

Q26D-3RNG
ERNRG3
RANGE CHECK
{If Q26D-3DK has entry then fill parenthetical with Q26D-3DK. Otherwise, fill with Q26D-3.}

DO NOT READ

Monthly earnings recorded as: (fill Q26D-3) monthly
IS THIS ENTRY CORRECT?

Yes....(Go to Q26D-3VER)
No.....(Go to Q26D-3RNG2)

Q26D-3RNG2.
ERNRGP
CHECK ITEM
{If Q26D-3DK has entry then fill parenthetical with Q26D-3DK. Otherwise, fill with Q26D-3.}

DO NOT READ

INCORRECT ENTRY WAS RECORDED AS: (FILL Q26D-3) monthly

CORRECT ENTRY IS:

==>[N] $ _ _ _ _

E A R N I N G S (continued) revised 1/26/94

Q26D-3VER. (Fill parenthetical if Q20C-1.)
ERNVR4
I have recorded your total earnings (for your main job) as
$ (fill Q26D-3 or Q26D-3DK) MONTHLY before taxes or other deductions.
Is that correct?

Yes..............0 (Skip to Q26G)
No...............0 (Go to Q26D-3VER2)

[blind] Don't know.........0 (Skip to Q26G)
[blind] Refused..........0 (Skip to Q26G)

Q26D-3VER2. (If Q26B is "yes", then fill first parenthetical.)
ERNCOR (Fill second parenthetical if Q20C-1)

(INCLUDING overtime pay, tips and commissions) What are your usual
monthly earnings on (this) job, before taxes or other deductions?

Enter Dollar amount---> - - - - - [Do range check]
[Skip to Q26G]

[blind] Don't know..........0 (Skip to Q26G)
[blind] Refused.........0 (Skip to Q26G)

Q26D-4. (If Q26B is "yes", then fill first parenthetical.)
ERNOANN (If Q20C is "yes", then fill second parenthetical with "your MAIN".)

(Including overtime pay, tips and commissions) What are your usual
annual earnings on (this) job, before taxes or other deductions?

Enter Dollar amount===>_ - - - - - (Skip to Q26D-4VER)

[blind] Don't know   0 (Skip to Q26D-4DK)
[blind] Refused   0 (Skip to Q26G)
Range Edit ($ 1 to 72,000) (If fails range edit, skip to Q26D-4RNG)

Q26D-4DK. What is your best estimate of your usual annual earnings before
ERNDKP .taxes or other deductions?

Enter Dollar amount===> - - - - - (Skip to Q26D-4VER)

[blind] Don't know   0 (Skip to Q26G)
[blind] Refused   0 (Skip to Q26G)
Range Edit ($ 1 to 72,000) (If fails range edit, skip to Q26D-4RNG)

E A R N I N G S   (continued) revised 12/1/92

Q26D-4RNG   RANGE CHECK
ERNRG3   (If Q26D-4 or Q26D-4DK is greater than $72,000, then fill first
            parenthetical.)

            (If Q26D-4DK has entry then fill second parenthetical with Q26D-4DK.
            Otherwise, fill with Q26D-4.)

            DO NOT READ

            (****REPORTED EARNINGS ARE GREATER THAN $72,000****)

            Annual earnings recorded as: (fill Q26D-4) annually
            IS THIS ENTRY CORRECT?

            Yes.....(Go to Q26D-4VER)
            No......(Go to Q26D-4RNG2)

Q26D-4RNG2. CHECK ITEM
ERNRRGP   (If Q26D-4DK has entry then fill parenthetical with Q26D-4DK.
            Otherwise fill with Q26D-4.)

            DO NOT READ

            INCORRECT ENTRY WAS RECORDED AS: (FILL Q26D-4) annually

            CORRECT ENTRY IS:

            ==>[R] $ _ _ _ _

Q26D-4VER. (Fill parenthetical if Q20C-1.)
ERNRVR4   I have recorded your total earnings (for your main job) as
            $ (fill) Q26D-4 or Q26D-4DK) annually before taxes or other
            deductions. Is that correct?

            Yes.................0 (Skip to Q26E-CK)
            No..................0 (Go to Q26D-4VER2)

            [blind] Don't know........0 (Skip to Q26E-CK)
            [blind] Refused...........0 (Skip to Q26E-CK)

10A-45

E A R N I N G S   (continued)   revised 1/26/94

Q26D-4VER2.   (If Q26B is "yes", then fill first parenthetical.)
ERNCOR   [Fill second parenthetical if Q20C-1.)

               (INCLUDING overtime pay, tips and commissions) What are your usual
               annual earnings on (this) job, before taxes or other deductions?

               Enter Dollar amount---> _ _ - _   (Do range check)
                                                      (Skip to Q26E-CK)

               [blind] Don't know............0 (Skip to Q26G)
               [blind] Refused..............0 (Skip to Q26G)

Q26D-5.   (If Q26B is "yes", then fill first parenthetical.)
ERNBNK   (If Q20C is "yes", then fill second parenthetical with "your MAIN".)

               (Including overtime pay, tips and commissions) What are your usual
               bi-weekly earnings on (this) job, before taxes or other deductions?

               Enter Dollar amount---> _ _ _ _   (Skip to Q26D-5VER)

               [blind] Don't know   0 (Skip to Q26D-5DK)
               [blind] Refused   0 (Skip to Q26G)

               Range Edit ($ 1 to 3,000) (If fails range edit, skip to Q26D-5RNG)

Q26D-5DK.   What is your best estimate of your usual bi-weekly earnings before
ERNDKR   taxes or other deductions?

               Enter Dollar amount---> _ _ _ _   (Skip to Q26D-5VER)

               [blind] Don't know   0 (Skip to Q26G)
               [blind] Refused   0 (Skip to Q26G)
               Range Edit ($.1 to 3,000) (If fails range edit, skip to Q26D-5RNG)

Q26D-5RNG   RANGE CHECK
ERNRG3   (If Q26D-5DK has entry then fill parenthetical with Q26D-5DK.
               Otherwise, fill with Q26D-5.)

               DO NOT READ

               Bi-weekly earnings recorded as: (fill Q26D-5) bi-weekly
               IS THIS ENTRY CORRECT?

               Yes.....(Go to Q26D-5VER)
               No.....(Go to Q26D-5RNG2)

E A R N I N G S (continued)

Q26D-5RNG2. CHECK ITEM
ERNRGP   [If Q26D-5DK has entry then fill parenthetical with Q26D-5DK.
             Otherwise fill fill with Q26D-5.]

DO NOT READ

INCORRECT ENTRY WAS RECORDED AS: (FILL Q26D-5) bi-weekly

CORRECT ENTRY IS:

==>[N] $ ___ ___ ___

Q26D-5VER. (Fill parenthetical if Q20C-1.)
ERNVR4

I have recorded your total earnings (for your main job) as
$ (fill Q26D-5 or Q26D-5DK) bi-weekly before taxes or other
deductions. Is that correct?

Yes................0   (Skip to Q26G)
No.................0   (Go to Q26D-5VER2)

[blind] Don't know........0   (Skip to Q26G)
[blind] Refused...........0   (Skip to Q26G)

Q26D-5VER2.   [If Q26B is "yes", then fill first parenthetical.)
ERNCOR   [Fill second parenthetical if Q20C-1]

(INCLUDING overtime pay, tips and commissions) What are your usual bi-
weekly earnings on (this) job, before taxes or other deductions?

Enter Dollar amount==> ___ ___ ___ ___   (Do range check)
                                            (Skip to Q26G)

[blind] Don't know.........0   (Skip to Q26G)
[blind] Refused............0   (Skip to Q26G)

Q26E-CK. CHECK ITEM
ERNCKT

Q26D-4 has an entry...(Ask Q26F)
All others ....(Skip to Q26G)

Q26F. How many weeks a year do you get paid for?
ERNWKP

Number of weeks __ __

[blind] Don't know.....0
[blind] Refused........0
Range check 01-52

E A R N I N G S (continued)   revised 1/28/94

[If Q26A is "Other" or "DK", then don't fill first parenthetical.]
[If Q20C is "yes", then fill second parenthetical with "your MAIN".]

Q26G. (Even though you told me it is easier to report your earnings {fill
ERNRT   with Q26A response}), are you PAID AT AN HOURLY RATE on (this) job?

Yes.............0
No..............0 [Skip to Q26I]
[blind] Don't know   0 [Skip to Q26I]
[blind] Refused   0 [Skip to Q26I]

Q26G-CK CHECK ITEM
If Q26D-2, Q26D-2DK, Q26D-3, Q26D-3DK, Q26D-4, Q26D-4DK, Q26D-5, or
Q26D-5DK is a "refusal"...........................(Skip to Q26I)
IF Q26D-2DK, Q26D-3DK, Q26D-4DK or
Q26D-5DK is a "don't know"........................(Skip to Q26I)
All others.......................................(Ask Q26H)

Q26H. {If Q26B is "yes", then fill first parenthetical.}
ERNH2 {If Q20C is "yes", then fill second parenthetical with "your MAIN".}
(EXCLUDING overtime pay, tips and commission) What is your hourly
rate of pay on (this) job?

Enter dollar amount===> _ _ . _ _
[blind] Don't know   0
[blind] Refused   0
Range edit $1 to $30.00

Q26I. On this job, are you a member of a labor union or of an employee
ERNLAB association similar to a union?
Yes.............0 (Skip to Q26J-CK)
No..............0
[blind] Don't know...0
[blind] Refused......0

Q26J. On this job, are you covered by a union or employee association
ERNCOV contract?
Yes.............0
No..............0
[blind] Don't know...0
[blind] Refused......0

EARNINGS (continued)

Q25B. Is ... paid by the hour on this job?

Yes...........0 (Go to Q25C)
No............0 (Skip to Q25D)

Q25C. How much does ... earn per hour?

(Ask Q25D)

Q25E. On this job, is ... a member of a labor union or of an
employee association similar to a union?

Yes...........0 (Skip to Q26)
No............0 (Ask Q25F)

Q25F. On this job, is ... covered by a union or employee
association contract?

Yes...........0 (Go to Q26)
No............0 (Go to Q26)

E A R N I N G S (continued)   revised 12/1/92

Q263-CK CHECK ITEM
ERNCKV

Line number of current person equals
 line number of current household respondent....(Skip to Q28-CK)
All others...(Go to Q263-CK1)

Q263-CK1 CHECK ITEM
ERNCKW   *****DO NOT READ TO RESPONDENT*****

Did .... provide any of the earnings information you just collected?

    Yes....0 (Skip to Q28-CK)
    No.....0 (Go to Q263-CK2)

Q263-CK2 CHECK ITEM
ERNCKX   *****DO NOT READ TO RESPONDENT*****

Did anyone other than (fill household respondent's name) provide any
of the earnings information you just collected?

    Yes....0 (Go to Q263-CK3)
    No.....0 (Skip to Q28-CK)

Q263-CK3 CHECK ITEM
ERNCKY1   *****DO NOT READ TO RESPONDENT*****

Who was that?

(Display household roster so person name and line number appears)

    Enter line number _ _   (Go to Q28-CK)

NILF/RETIRED/MAIN STATUS   Revised 2/10/93

NILF/RETIRED

Q27-CK1. CHECK ITEM
NLFCK1   This person is:

    14-49 years of age.... (Skip to Q27B)
    50+.................... (GO TO Q27A)

Q27-CK. CHECK ITEM
NLFCK2

    Outgoing rotation......0   [Ask Q27-1]
    All other rotations....0   (Skip to Q28-CK)

Q27-1.   When did you last work at a job or business?
NLFJH

    Within last 12 months.......0 (GO TO Q25 (d))
    More than 12 months ago.....0 (Go to Q28-CK)
    Never worked................0 (Go to Q28-CK)

[blind]   Don't know..................0 (Go to Q28-CK)
[blind]   Refused.....................0 (Go to Q28-CK)

Q27A.   Are you retired FROM A JOB OR BUSINESS?
NLFRET

    Yes 0   (End questions)
    No 0

[blind]   Don't know. 0
[blind]   Refused.... 0

Q27B.   What best describes your situation at this time? For example, are
NLFACT   you disabled, ill, in school, taking care of house or family, or
           something else?

    Disabled...............0
    Ill....................0
    In school..............0
    Taking care of house or family...0
    In retirement..........0
    Something else/other...(specify).0
[blind]   Don't know.............0
[blind]   Refused................0

SCHOOL ENROLLMENT

Q28-CK. CHECK ITEM
SCHCK

This person is:
16-24 years of age.. (Ask Q28A)
All others......... (End Questions)

Q28A. LAST WEEK, were you enrolled in a high school, college, or university?
SCHENR

(Mark "Yes" if currently on holiday or seasonal vacation.
Mark "No" for summer vacation.)

Yes......... 0
No.......... 0 (End Questions)
[blind] Don't know.. 0 (End Questions)
[blind] Refused .... 0 (End Questions)

Q28A-1. (ASK ONLY IF NECESSARY)
SCHLVL Would that be high school, college, or university?

High school............. 0
College or university..... 0
Don't know............... 0
Refused.................. 0

Q28B. Are you enrolled in school as a full-time or part-time student?
SCHFT

Full-time 0 (END
Part-time 0 QUESTIONS)
[blind] Don't know 0
[blind] Refused 0

SCHOOL ENROLLMENT

Q26. CHECK ITEM.
(Transcribe from control card item 18).
This person is: 16-24 years of age ..... 0 (Ask 26A)
All others ...... 0 (Skip to 26C)

Q26A. (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 ... 0 High School. ..... 0 (Ask 26B)
College or Univ. ..... 0 (Ask 26B)

No ... 0 (Skip to 26C)

Q26B. Is ... enrolled in school as a full-time or part-time student?

Full time ... 0 (Fill 26C)
Part time ... 0 (Fill 26C)

CPS-1

CPS-1

CPS-1

2/25/93

SUMMARY OF CHANGES TO THE REVISED CPS QUESTIONNAIRE

CHANGES	REASON/EXPLANATION
AT WORK	**AT WORK**
(Q19A) A household question inquires directly about the existence of a business in the household. This question is asked once for each household.	Directly identifies household businesses and provides basis for asking about unpaid family workers and receipt of profits.
(Q20) Revised question wording and expanded response categories. "Profit" fill included if there is a business or farm in the household.	Revised wording discourages the reporting of non-work activities, such as volunteer work and work around the house. Expanded response categories allow for responses of "retired," "disabled," and "unable to work". In conjunction with subsequent skip patterns, these categories may reduce response burden for some specified individuals. (Expanded response categories are also at each of the key labor force classification items.)
(Q20-1) If a family business exists and persons report not working, then a direct question regarding unpaid work is asked.	Directly identifies unpaid family workers.
(Q20-2) If persons report doing unpaid work, then a direct question on receiving payments or profits from the business is asked. This question is not asked of the owner of the business because it is assumed that the owner does receive payments or profits.	Direct question identifies persons receiving payments or profits from a business. Such persons are not unpaid family workers. They are considered employed wage and salary workers.
(Q20-RET) If a person is not reported to be working, and during the previous month was reported to be retired, there is a dependent question asking if the person is still retired.	Reduces questionnaire response burden for retired persons by skipping them over the labor force items.
(Q20-DIS) If a person is not reported to be working, and during the previous month was reported to be disabled, there is a dependent question asking if the person is still disabled.	Reduces questionnaire burden for disabled persons by skipping them over the labor force items.

10A-53

CHANGES

AT WORK (CONT.)

(Q20-NUM) Includes a direct question about the desire to work for persons who are reported to be retired and 50 years of age or older. If persons report they do not desire to work, the remaining labor force questions are skipped over.

(Q20A-1, Q20A-2) Includes questions for persons who are reported to be disabled to determine if they are unable to accept any kind of work for next 6 months.

WITH A JOB

(Q20B-a, Q20B-b) CPS-1 item Q21 was revised to include separate questions to identify persons with a job, not at work, and persons on layoff. These questions include specific response categories of "Retired," "Disabled," and "Unable."

(Q20B-1) Revised question wording to determine persons' main reason for being absent from work.

(Q20B-2) Revised question wording to determine if persons temporarily absent were paid for their time off last week.

MULTIPLE JOBS (NEW SERIES)

(Q20C, Q20D) Includes specific questions to identify persons who have more than one job and the number of jobs they have.

REASON/EXPLANATION

AT WORK (CONT.)

Question on desire for a job is included to insure that persons with some attachment to the labor force are not excluded from the opportunity to be unemployed or a discouraged worker. This question is only asked the first month an individual is reported as retired.

Direct question on ability to accept any kind of work is asked to determine if persons reported to be disabled/unable meet the criteria as specified in the question (unable to accept work for next 6 months).

WITH A JOB

Previous research indicated that the question was too complex and awkwardly worded and that respondents heard only part of the question.

Determines persons' main reason for not working last week since only one response is allowed.

Simplified wording to improve measurement of concept.

MULTIPLE JOBS (NEW SERIES)

Provides monthly estimates of multiple jobholders. Helps to improve measurement of usual and actual hours worked by asking about "main" and "other" jobs separately for persons identified as multiple jobholders.

CHANGES

USUAL HOURS (NEW SERIES)

(Q20E-A, Q20E-B) Includes an open-ended question asking for the number of hours per week persons usually work; a response category of "hours vary" is available. This question is asked of persons at work and persons absent from work (excluding persons on layoff).

(Q20E-1) New question to determine if persons usually work 35 hours or more; includes an additional response category of "hours vary."

ECONOMIC PART-TIME

(Q20F-1) Includes a question to determine if persons usually working less than 35 hours desire to work a full-time schedule.

(Q20F-2) Revised question wording to determine persons' "main" reason for usually working less than 35 hours for those who want to work full time. Additional response categories are also included.

(Q20F-3) For persons who indicate they do not want to work full time, a separate question is included to identify the reason why persons do not want to work a full-time workweek.

(Q20J) Revised question wording to determine persons' "main" reason for working less than 35 hours last week. Additional response categories are also included.

REASON/EXPLANATION

USUAL HOURS (NEW SERIES)

Provides frame of reference for actual hours worked questions using an anchor and recall estimation strategy. Improves estimation of usual hours by asking about the main and other jobs separately for multiple jobholders. Allows usual FT/PT classification of all employed persons. Obtains a usual hours measure for all employed individuals, not just those who actually worked less than 35 hours or those in outgoing rotations.

Serves as a follow-up probe to clarify usual hours worked information for persons whose hours vary or for respondents who don't know the usual hours worked.

ECONOMIC PART-TIME

Desire to work full-time is an additional requirement for the classification of economic part-time.

Revised question wording provides respondents with a common frame of reference by giving both economic and non-economic examples for not working full time.

Reduces field coding errors because separate question allows only non-economic reasons for not working full time to be listed.

Separate questions for persons who usually work < 35 hours (Q20F-2, Q20F-3) vs. those who usually work > 35 hours but actually worked < 35 hours last week (Q20J) allow for tailored response categories to reduce field coding errors.

CHANGES	REASON/EXPLANATION

ECONOMIC PART-TIME (CONT.)

(Q20K) Includes a question to establish whether persons (part time for economic reasons) are available to work full-time hours.

ACTUAL HOURS

The order of the questions in the hours series is revised, asking about usual hours first, hours taken off, extra hours worked, and then actual hours.

(Q20G) Revised question wording for determining whether persons lost or took off hours from work.

(Q20H) Revised question wording for determining whether persons worked overtime or extra hours. (Questions about multiple jobs are asked earlier).

(Q20H-1) Revised question wording to identify the number of additional hours worked.

(Q20I-1, Q20I-2) Revised question wording to determine actual hours; for multiple jobholders, actual hours are obtained separately for main job and other jobs.

ON LAYOFF (NEW SERIES)

A separate series of questions is included for persons on layoff.

ECONOMIC PART-TIME (CONT.)

Availability to work full time is an additional requirement for the classification of economic part time.

ACTUAL HOURS

This question sequencing allows respondents to use an anchor and recall estimation strategy to improve the measurement of actual hours worked.

Provides transition from usual hours worked to actual hours worked. Gives examples of reasons why time might be taken off to aid respondent's recall. Improves measurement since it is asked of all those working.

Improves measurement of hours data since it is asked of all those working.

Improves measurement of hours data.

Collects hours worked for main and other jobs separately.

ON LAYOFF (NEW SERIES)

The use of automated interviewing allowed separate series for persons reported to be on layoff so questions could be appropriately worded to reflect layoff status.

CHANGES	REASON/EXPLANATION
ON LAYOFF (CONT.)	**ON LAYOFF (CONT.)**
(Q21, Q21A) Includes specific questions about persons' expectations of being recalled to their job.	Improves "layoff" status classification by including direct question to determine if criteria for layoff status are met. Persons not expecting to be recalled will be asked job search questions so they have a chance to be included among the unemployed.
(Q21A-1) Includes a revised question to determine persons' availability to return to work.	Revised wording better measures concept of availability to return to work. Question tailored to persons on layoff.
(Q21A-2) Revised question wording to determine why persons on layoff are not available to return to work.	Response categories tailored to persons on layoff.
(Q21B) Includes a question about looking for work during the past four weeks.	Permits identification of proportion of persons "on layoff" that have looked for work during the past 4 weeks.
(Q21C) Revised question wording to determine the duration of layoff. Duration may be reported in weeks, months, or years.	Improves measurement of duration of layoff by allowing respondents to answer in periodicity most convenient for them.
(Q21C-1) For persons who are reported to have been on layoff 1 to 4 months, a question is asked regarding the number of WEEKS they have been on layoff.	Avoids clustering of answers around whole months.
(Q21-DPCK) Layoff series utilizes dependent updating of duration data. If persons are on layoff for two consecutive months, the duration of layoff from the previous month is updated without asking the duration question again.	Increases consistency of duration of unemployment and reduces respondent burden for persons on layoff in consecutive months.
(Q21D) Revised question wording for determining if persons are on layoff from a full-time or part-time job.	Collects information on the type of job from which persons are on layoff.

CHANGES	REASON/EXPLANATION
LOOKING (REORDERED SERIES)	**LOOKING (REORDERED SERIES)**
(Q22) Revised question wording for determining whether persons were looking for work last week.	Intention was to have less restrictive wording and have ineligible job search activities screened out in question Q22A.
(Q22A) Revised question wording on job search methods. Response categories have been expanded to include additional active and passive methods.	Expanded response categories reduce coding errors and identify persons using only passive job search methods who are then asked NILF questions.
(Q22A-DK) Includes a follow-up probe for persons who report "Nothing" in Q22A, and for persons who respond "Don't Know".	Clarifies initial job search question and provides a second opportunity for persons who report "nothing" or "don't know" to report an active method (and, therefore, be classified as unemployed).
(Q22A-DK1) Includes a follow-up probe for persons who only give an "other passive" method in Q22A.	Clarifies initial job search question and provides a second opportunity for persons who report only passive job search methods to report an active method (and, therefore, be classified as unemployed).
(Q22B) Revised question wording to determine persons' availability to work.	Question revised to more accurately reflect if a person could have started a job, not just have accepted a job.
(Q22B-1) Revised question wording to determine persons' reasons for being unavailable to work. New skip patterns.	Persons not meeting availability criteria are skipped to job history series.
(Q22C_1, Q22C_2) Includes revised questions to determine persons' status just prior to initiating job search. Purpose of question is to identify job losers/job leavers.	Splits question into two separate questions so objective of questions would be clearer to respondents.
(Q22D) Revised question to determine when persons last worked.	Less restrictive question wording so all previously employed persons will be identified. Is no longer restricted to persons working full time for 2 consecutive weeks or more.

CHANGES	REASON/EXPLANATION
LOOKING (CONT.)	**LOOKING (CONT.)**
(Q22D-1) New question asks the specific month and year persons last worked if they worked within the last 12 months.	Improves reporting of duration by verifying that the reported duration of unemployment does not extend beyond the month/year in which persons last worked.
(Q22E) Revised duration question allows responses of "weeks," "months," or "years."	Improves measurement by allowing respondents to report in periodicity most convenient for them.
(Q22E-1) New question asks the number of weeks persons have been looking for work if they report 1-4 months in Q22E.	Avoids clustering of answers around whole months.
(Q22-DPCK) Utilizes dependent updating of duration for persons reported to be looking for work for two consecutive months. Previous month's duration of looking is updated without re-asking the duration question, and other relevant data from the previous month is carried over.	Reduces respondent burden and improves consistency in reporting duration of looking for persons who are unemployed in consecutive months.
(Q22F) Revised question wording asking whether persons are looking for full-time or part-time work.	Revised wording provides BLS definition of full-time work within the question. Respondents can also report that they are looking for either full- or part-time work.
(Q22F-CK2) Previous month's I/O of last job held is carried over (without re-asking) if person is unemployed in two consecutive months.	Reduces respondent burden.
DISCOURAGED WORKERS (REORDERED SERIES)	**DISCOURAGED WORKERS (REORDERED SERIES)**
Discouraged worker series asked in all months-in-sample. (In current CPS, the discouraged worker series is asked only in outgoing rotations.)	This revision was based on Levitan recommendation. It permits estimates of discouraged workers to be produced monthly instead of only quarterly, as provided under the current design.
(Q23) Revised question to determine if persons want a job; allows responses of "retired," "disabled," and "unable."	Simplified wording reduces ambiguity of question. Reduces respondent burden for persons reported as retired or disabled by skipping them to job history series.

CHANGE

DISCOURAGED WORKERS (CONT.)

(Q23A) Revised question wording to determine the "main" reason for not looking for work; revised response categories.

(Q23B) New question (per Levitan Commission) to determine if persons have looked for work in the last 12 months. Note that the Levitan Commission recommended 6-month period. Twleve months was used because it was an easier reference period and was a reasonable period for respondents with attachment to the labor force to have looked for work (Hamel, March 1979, MLR).

(Q23B-1, Q23B-2) New questions to determine if those who have looked for work in the last 12 months have worked during the last 12 months and/or the last 4 weeks.

(Q23B-3) New question to determine if those persons who have looked and worked in the last 12 months have looked for work since leaving their last job.

(Q23C) New question (per Levitan Commission) to determine persons' availability to work.

(Q23C-1) New question to determine persons' reasons for being unavailable to work.

JOB HISTORY

(Q24A) Revised question to determine when persons last worked.

(Q24B) Revised question to determine reason for leaving last job.

REASON/EXPLANATION

DISCOURAGED WORKERS (CONT.)

Reduces ambiguity of previous categories.

Attachment to the labor force is new criterion for discouraged worker definition.

Having looked since last working is a criterion for discouraged workers. These questions and Q23B-3 check to see if persons have looked since they last worked.

Having looked since person last worked is a criterion for discouraged workers.

This is an additional requirement for classification as a discouraged worker.

To determine if person was available to take a job last week.

JOB HISTORY

Shortens recall period. Revised question directly asks about work "during past 12 months" since 12 months is a better time frame for estimating the potential labor force. Reduces respondent burden since recall period is 12 months instead of 5 years.

Improves question wording. Asks for "main reason".

CHANGE	REASON/EXPLANATION
JOB HISTORY (CONT.)	**JOB HISTORY (CONT.)**
(Q24C) Revised question to determine persons' intentions to look for work.	Simplified question wording.
(Q24-DEP) New question to establish whether persons who worked in the last 12 months (and were unemployed in the previous month), did any work during the last 4 weeks.	Determines if industry and occupation data provided in the previous month can be carried over in the current month.
INDUSTRY AND OCCUPATION (REORDERED SERIES)	**INDUSTRY AND OCCUPATION (REORDERED SERIES)**
(Q25DEP-1, Q25DEP-2, Q25DEP-3) Includes dependent questions carrying over information from the previous month regarding company name and usual activities or duties.	Reduces respondent burden. Improves consistency estimates of occupation and industry change.
(Q25-1) Revised question series for determining class of worker.	Class of worker questions are asked at beginning of series. Previously interviewers often verified the information based on answers to I/O questions. Location of class of worker question at beginning of series allows for tailoring of industry questions.
(Q25-2) Revised question to determine the type of government worker.	Direct question used to obtain level of government.
(Q25-4) Revised question to determine class of worker for workers in a family business.	Direct question on whether work done in family business was for pay.
(Q25A-1) Revised question wording for company name.	Increases respondent comprehension through tailored questions depending on whether a person works for a private company or non-profit organization. Revised wording clarifies question's intent (i.e. company name). References "main job" for multiple jobholders.
(Q25A-2, Q25A-3) Separate questions asking for government agency name and self-employed persons' or family's business name.	Increases respondent comprehension through tailored questions for persons working in government agency or self employed.

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CHANGE

INDUSTRY AND OCCUPATION (CONT.)

(Q25B-2) Direct question regarding type of industry: manufacturing, retail trade, or wholesale trade.

(Q25C, Q25D) Revised questions to determine type of occupation.

(Q25F-Q25Q) Includes series of questions in out going rotations for second jobs.

(Q25F-Q25I) Persons who are reported to be self employed in unincorporated businesses and are multiple jobholders are asked the class of worker questions for their second job in all rotations.

EARNINGS

(Q26A) Includes a question asking for the "easiest way" (periodicity) to report total earnings.

(Q26G) Includes a question to determine if persons are paid at an hourly rate, given that persons reported in Q26A that it is easier to report their earnings in some other way.

(Q26B) Includes a question to determine if persons receive overtime pay, tips, or commissions.

(Q26C, Q26H) Revised questions asking for persons' hourly rate of pay.

(Q26C-1) Includes a question asking hourly workers the number of hours usually worked at the specified rate of pay.

REASON/EXPLANATION

INDUSTRY AND OCCUPATION (CONT.)

Improves industry coding.

Wording specifies "occupation" for Q25C and "usual" duties for Q25D.

Collects additional data on second job.

This will permit identification of persons that are self-employed in two unincorporated businesses. Persons who are self-employed in two unincorporated businesses are not multiple jobholders according to BLS definition of multiple jobholders.

EARNINGS

Reduces reporting difficulty for persons not paid weekly. References "main job" for multiple jobholders.

Question is needed to determine measures for hourly wage workers.

Improves measurement of earnings. Persons who receive overtime pay, tips, or commissions are prompted to include (or exclude if reporting hourly wage) the income from these sources when reporting earnings.

These questions specifically instruct persons who receive overtime pay, tips, or commissions to exclude those monies from their report of their hourly rate of pay.

Improves estimate of weekly earnings for hourly workers by obtaining number of hours usually worked at the specified rate of pay.

CHANGE

EARNINGS (CONT.)

(Q26D-1) Includes a question asking amount earned in just overtime pay, tips, or commissions.

(Q26D-1a) For persons who report their overtime, tips, and commissions at an hourly rate, they are asked the number of hours they usually work at that rate.

(Q26D-2, Q26D-3, Q26D-4, Q26D-5) Includes separate earnings questions for person reporting their earnings at weekly, biweekly, monthly, or annual rates. These questions specifically instruct persons to include overtime pay, tips, or commissions if they earn them.

(Q26F) For persons reporting earnings on an annual basis, a new question asks for the number of weeks per year persons are paid.

(Q26C-DK, Q26D-1DK, Q26D-1b, Q26D-2DK, Q26D-3DK, Q26D-4DK, Q26D-5DK) Include questions asking for a best estimate when persons respond that they don't know the answer to the earnings information requested.

REASON/EXPLANATION

EARNINGS (CONT.)

Improves estimate of weekly earnings by obtaining separate estimate for overtime pay, tips and commissions. Converts amount and periodicity to weekly amount in order to calculate weekly earnings for hourly wage workers. Reduces task difficulty by allowing respondents to report overtime pay, tips and commissions in any periodicity.

Improves estimate of weekly earnings for hourly workers receiving overtime, tips or commissions.

Reduces task difficulty for respondents who find it easier to report their earnings at a rate other than weekly.

Improves estimate of weekly earnings for persons reporting annual earnings.

Reduces non-response due to persons unable to provide exact earnings information.

CHANGE

EARNINGS (CONT.)

(Q26D-1VER) Includes a verification of weekly earnings for hourly workers.

(Q26D-1VER2, Q26D-1VER3) For hourly workers that do not verify as correct their weekly earnings, a question is included that confirms each piece of information used to calculate weekly earnings.

(Q26D-2VER, Q26D-3VER, Q26D-4VER, Q26D-5VER) Includes questions to verify weekly, biweekly, monthly, or annual earnings amounts depending on how the respondent indicates it is easiest to report earnings.

(Q26D-2VER2, Q26D-3VER2, Q26D-4VER2, Q26D-5VER2) For persons who report that their earnings are not correct, a follow-up question asks the usual weekly, biweekly, monthly, or annual earnings amount.

NOT IN LABOR FORCE/RETIRED (NEW SERIES)

(Q27-1) Includes a new question to determine when retired persons last worked at a job.

(Q27A) Includes a new question for persons who are NILF and at least 50 years old or older which directly asks about retirement.

REASON/EXPLANATION

EARNINGS (CONT.)

Decreases likelihood of coding errors and gives respondent a chance to verify weekly earnings estimate based on various pieces of information collected for hourly respondents.

Respondents can change any of the information used to calculate weekly earnings. If any of the pieces change, a new weekly earnings amount is calculated and then verified. If none of the pieces of information changes, the respondent is asked what the weekly earnings amount is.

Verification reduces the likelihood of field coding errors.

Allows respondents to correct earnings data that was inaccurately recorded.

NOT IN LABOR FORCE/RETIRED (NEW SERIES)

If retired persons worked in the last 12 months, industry and occupation information regarding their last job is obtained. Reduces respondent burden because question refers to last 12 months instead of last 5 years. This is only asked in the outgoing rotations and if person is reported to be retired or disabled earlier in the questionnaire.

Incorporates 1986 QDIF recommendation to include direct question on retirement.

CHANGE

NOT IN LABOR FORCE/RETIRED (CONT.)

(Q27B) Includes a new question to determine the main status of persons who are NILF.

SCHOOL ENROLLMENT

(Q28A) Revised question wording regarding school enrollment.

SELF/PROXY STATUS OF RESPONDENT

(Q20K-CK1, Q20K-CK2, Q20K-CK3, Q25Q-CK1, Q25Q-CK2 Q25Q-CK3, Q26H-CK1 Q26H-CK2 Q26H-CK3) For cases in which the specified person and the respondent are not the same, questions to the interviewer (these questions are not read to the respondent) are asked regarding whether the specified person or some other person beside the respondent answered any of the questions in the series. Self/proxy status of the respondent is collected for the hours, I/O, and earnings series.

REASON/EXPLANATION

NOT IN LABOR FORCE/RETIRED (CONT.)

Incorporates 1986 QDTF recommendation to collect additional information about persons NILF.

SCHOOL ENROLLMENT

More inclusive wording.

SELF/PROXY STATUS OF RESPONDENT

Determines self/proxy status for key labor force items. This will enable separate analysis of data for selected labor force items by self vs. proxy respondents.

2/25/93   REVISED CPS QUESTIONNAIRE COMPARISON TABLE

ITEM	CPS-1	REVISED CPS	NEW LABEL
		19	LABOR
Introduction	-	-	-
AT WORK			
Major Activity	19	19A	BUS
Business/Farm	20	20	WK
Work		20A-1	DIS1
Disability	-	20-DIS	DIS
Dep. Disability	-	20A-2	DIS2
Unable	-	20-NUM	RET1
Retired	-	20-RET	RET
Dep. Retired	-	20-1	BUS1
Unpaid	-	20-2	BUS2
="-profits	-		
WITH A JOB			
T.A. Job	21	20B-a	ABS
Layoff	21	20B-b	LAY
Reason Absent	21A	20B-1	ABSRSN
Receiving $	21B	20B-2	ABSPD
Usually 35+	21C	20E-1	HRFTPT
	-	20E-A,20E-B	HRUSL1
	-	20E-B	HRUSL2
MULTIPLE JOBS			
Multiple Jobs	-	20C	MJ
# of Jobs	-	20D	MJNUM
USUAL HOURS			
Usual hrs.	-	20E-A	HRUSL1
		20E-B	HRUSL2
Usually 35+	20C1	20E-1	HRFTPT
	-	20E-A	HRUSL1
	-	20E-B	HRUSL2
ECONOMIC PART-TIME			
Want Job	-	20F-1	HRWANT
Reas Usu <35	20C2	20F-2	HRRSN1
Reas not want ft	-	20F-3	HRRSN2
Availability	-	20K	HRAVL
Reas. Act <35	20C2	20J	HRRSN3

ITEM	CPS-1	REVISED CPS	NEW LABEL
ACTUAL HOURS			
Lost hrs.	20D1	20G	HROFF1
"	20D2	20G-1	HROFF2
Extra hrs.	20E1	20H	HROT1
"	20E2	20H-1	HROT2
Actual hrs.	20A	20I-1	HRACT1
		20I-2	HRACT2
ON LAYOFF			
Date to return	-	21	LAYDT
Expectations	-	21A	LAY6M
Availability	22E1	21A-1	LAYAVL
"	22E2	21A-2	LAYAVR
Looking	-	21B	LAYLK
Duration-mos/wks	22C3	21C	LAYDR1,LAYDR2
-wks	22D	21C-1	LAYDR3
Ft/pt		21D	LAYFT
LOOKING			
Looking	22	22	LK
Methods	22A	22A	LKW1
Follow-up Methods	22A_dk	22A-DK	LKDK2
	-	22A_DK1	LKPS1
Reason	22B	22C-1,22C-2	LKLL1,LKLL2
Duration-mos/wks	-	22E	LKDUR1,LKDUR2
-wks	22C1	22E-1	LKDUR3
Ft/pt	22D	22F	LKFT
Availability	22E1	22B	LKAVL
"	22E2	22B-1	LKAVR
Last worked	22F	22D	LKLN
" within 12 months	-	22D-1	LKOAT
DISCOURAGED WORKERS (new - all rotations)			
Looked-12 mos	-	23B	DWLK
Worked-12 mos	-	23B-1	DWWK
Worked-4 weeks	-	23B-2	DW4WK
Look since wked	-	23B-3	DWLKWK
Reason not lk.	24D	23A	DWRSN
Want job	24C	23	DWWNT
Availability	-	23C	DWAVL
		23C-1	DWAVR

ITEM	CPS-1	REVISED CPS	NEW LABEL
DISCOURAGED WORKERS (old - mis 4/8)		.	.
Want Job now	24C	.	.
Reason not lk.	24D	.	.
JOB HISTORY (mis 4/8)			
Last worked	24A	24A	JHWK
Reason left	24B	24B	JHRSN
Intentions	24E	24C	JHWANT
Dep. Job. hist.	-	24_DEP	JHDP1
INDUSTRY/OCCUPATION			
Lead-in	-	25	IO1INT
Industry	23A	25A-1	IO1NWP
		25A-2	IO1NMG
		25A-3	IO1NMB
.	23B	25B_1	IO1IND
.	-	25B_2	IO1MFG
Occupation	23C	25C	IO1OCC
	23D	25D	IO1DT1,IO1DT2
Class of Wkr	23E	25-1	IO1INT
		25_2	IO1GVT
		25-3	IO1INC
Inc. Business	23E	25-4	IO1WP
Working for pay	-	25-F	IOPRO1
Lead-in 2nd Job	-	25-G	IO2INT
COW-2nd Job	-	25-H	IO2GVT
		25-I	IO2INC
Inc. Bus-2nd Job	-	25-J	IO2WP
Wk for pay-2nd Job-		25DEP-1	IODP1
Dependent I/O	-	25DEP-2	IODP2
.	-	25DEP_3	IODP3
INDUSTRY/OCCUPATION (second job; mis-4/8)			
Lead-in	.	25F	IOPRO1
Industry	.	25K	IO2NWP
.	.	25-L	IO2NMG
.	.	25-M	IO2NMB
.	.	25-N	IO2IND
.	.	25-O	IO2MFG
Occupation	.	25-P	IO2OCC
	.	25_Q	IO2DT1,IO2DT2
Class of Worker	.	25-G	IO2INT
	.	25-H	IO2GVT
.	.	25-I	IO2INC
.	.	25-J	IO2WP

EARNINGS (mis-4/8)

ITEM	CPS-1	REVISED CPS	NEW LABEL
Lead-in		26	ERNP
Usual hrs	25A	20E-A	HRUSL1
		20E-B	HRUSL2
		20E_1	HRFTPT
Paid - Hour	25B	26G	ERNRT
		26A	ERNPR
Hourly $	25C	26H	ERNH2
		26C	ERNHRT
Hrs at Hrly rate		26C-1	ERNHR
How paid		26A	ERNPR
Overtime/tips		26B	ERNUOT
$.paid overtime		26D-1	ERNOTA, ERNOTP
Wkly earnings	25D	26D-2	ERNWK
Monthly earnings		26D-3	ERNMON
Annual earnings		26D-4	ERNANN
Biweekly earnings		26D-5	ERNBWK
Hrs/wk at overtime rate		26D-1a	ERNOH
Est hrs/wk overtime rate		26D-1b	ERNOHE
Est-hourly		26C-DK	ERNHRE
Est-OT,tips		26D-1DK	ERNOTE
Est-weekly		26D-2DK	ERNDKP
Est-monthly		26D-3DK	ERNDKP
Est-annual		26D-4DK	ERNDKP
Est-biweekly		26D-5DK	ERNDKP
Verify weekly (reporting hourly)		26D-1VER	ERNVR1
		26D-1VER2	ERNVR2
		26D-1VER3	ERNVR3
Hourly rate corr		26D-1VER2	ERNH1C
# hours corr		26D-1VER2	ERNHC
OT amt corr		26D-1VER2	ERNOTC
# OT hours corr		26D-1VER2	ERNH2C
Corr wkly earnings		26D-1VER2	ERNWK1
Verify weekly		26D-2VER	ERNVR4
		26D-2VER2	ERNCOR
Verify monthly		26D-3VER	ERNVR4
		26D-3VER2	ERNCOR
Verify annual		26D-4VER	ERNVR4
		26D-4VER2	ERNCOR
Verify biweekly		26D-5VER	ERNVR4
		26D-5VER2	ERNCOR
Wks per yr. pd	25E	26F	ERNWKP
Union	25F	26I	ERNLAB
		26J	ERNCOV

ITEM	CPS-1	REVISED CPS	NEW LABEL
NILF/RETIRED			
Last worked	.	27-1	NLFJH
Retired	.	27A	NLFRET
Main status	.	27B	NLFACT
<u>SCHOOL ENROLLMENT</u>			
Enrolled	26A1	28A	SCHENR
Level-school	26A2	28A-1	SCHLVL
Ft/pt	26B	28B	SCHFT

CPS SUPPLEMENT QUESTIONNAIRE

November 1994 Voting and Registration

S1CK. CHECK ITEM

      IF AGE > = 18 THEN GO TO S2CK
      ELSE ROSTER LOOP

S2CK. CHECK ITEM

      IF ((NATVTY = (57, 72, OR 96)) OR CITIZN = 1) THEN SKIP TO S3
      ELSE IF CITIZN = 2 THEN SKIP TO S6
      ELSE IF CITIZN = (D OR R) THEN SKIP TO S3

Lead-in: This month we have some questions concerning voting and registration.

S3.   In any election some people are not able to vote because they are sick or busy or have some other reason and others do not want to vote. Did (you/name) vote in the election held on November 8th?

          <1> Yes   (Skip to S5)
          <2> No   (Ask S4)
          <D> Don't Know (Ask S4)
          <R> Refused   (Ask S4)

S4.   (Were you/Was name) registered to vote in the November 8th election?

          <1> Yes
          <2> No   (Skip to S6)
          <D> Don't Know (Skip to S6)
          <R> Refused   (Skip to S6)

S5.   At what time of day did (you/name) vote?

          <1> Before noon
          <2> None to 4 p.m.
          <3> 4 p.m. to 6 p.m.
          <4> After 6 p.m.
          <5> Voted absentee
          <D> Don't Know
          <R> Refused

S6. How long (have you/has name) lived at this address?

          <1> Less than 1 month
          <2> 1-6 months
          <3> 7-11 months
          <4> 1-2 years
          <5> 3-4 years
          <6> 5 years or longer
          <D> Don't Know
          <R> Refused

S7.   CHECK ITEM

        Who reported for this person?

        <1> Self
        <2> Other

ATTACHMENT 10C

CPS SUPPLEMENT QUESTIONNAIRE

November 1994 Computer Usage

REFCK   If respondent is reference person or reference person's spouse, skip to >Presupp<. Else go to SP1.

SP1.   IF REFERENCE PERSON IS NOT MARRIED WITH SPOUSE PRESENT, USE FIRST PARENTHETICAL. ELSE USE SECOND PARENTHETICAL.

This month we are also asking some additional questions about computers.

For these questions I need to speak with (REFERENCE PERSON) (REFERENCE PERSON or REFERENCE PERSON'S SPOUSE).

Is (REFERENCE PERSON) (REFERENCE PERSON or REFERENCE PERSON'S SPOUSE) available at this time?

    1.   REFERENCE PERSON NAME
    2.   SPOUSE NAME

ENTER LINE NUMBER OF RESPONDENT (go to SP2)

F10 TO SET CALLBACK IF NOT AVAILABLE

    <D> OR <R> end questions

SP2.   **DO NOT READ AS WORDED BELOW**

Identify yourself - if personal, show I.D.
Explain survey.

    <P> TO PROCEED

>Presupp<

This month we are also going to be asking some additional questions about computer usage in this household.

SQ1.   Does someone in this household own a personal computer?

    <1>   Yes (go to SQ2)
    <2>   No (skip to SQ3)

    <D> or <R> end questions

SQ2.   Is there a modem for the computer?

PROBE IF NECESSARY: A MODEM IS A DEVICE FOR CONNECTING THE COMPUTER TO A PHONE LINE.

<1>   Yes (skip to SQ5)
<2> No (skip to SQ4)

<D> or <R> skip to SQ4

SQ3.   Are there plans to buy a computer for this household within the next year?

<1>   Yes (go to SQ4)
<2>   No (skip to SQ12)

<D> or <R> skip to SQ12

SQ4.   Are there plans to buy a modem within the next year?

PROBE IF NECESSARY: A MODEM IS A DEVICE FOR CONNECTING THE COMPUTER TO A PHONE LINE.

<1>   Yes (Go to SQ7)
<2>   No   (Go to SQ7)

<D> or <R> Go to SQ7

SQ5A - SQ5H.   I'm going to ask you about using your computer and modem at home to get certain kinds of information or services.

Do you use your computer: <1> Yes <2> No <D> <R>

A.   to search classified ads
B.   to take educational courses for work or recreation
C.   to find out about transportation schedules or fares,
          make reservations, or buy tickets
D.   to stay in touch with friends, relatives, or
          others with similar interests
E.   to pay bills, order merchandise or shop with a credit card
F.   to access government services, reports or data
G.   to file income tax returns
H.   to access news, including sports and weather information

IF SQ3 IS YES, USE FIRST PARENTHETICAL. ELSE USE SECOND PARENTHETICAL.

SQ7A - SQ7H.   I'm going to ask you about using (a) (your) home computer to get certain kinds of information or services. Answer yes or no to your interest in each one.

Would you be interested in using (a) (your) computer: <1> Yes <2> No <D <R>

A.   to search classified ads
B.   to take educational courses for work or recreation
C.   to find out about transportation schedules or fares, make reservations, or buy tickets
D.   to stay in touch with friends, relatives, or others with similar interests
E.   to pay bills, order merchandise or shop with a credit card
F.   to access government services, reports or data
G.   to file income tax returns
H.   to access news, including sports and weather information

SQ9A - SQ9H.   Answer yes or no about your interest in using your computer to do the following at home.

Would you be interested in using your computer: <1> Yes <2> No <D> <R>

BLANK THOSE ITEMS MARKED "YES" IN SQ5

A.   to search classified ads
B.   to take educational courses for work or recreation
C.   to find out about transportation schedules or fares, make reservations, or buy tickets
D.   to stay in touch with friends, relatives, or others with similar interests
E.   to pay bills, order merchandise or shop with a credit card
F.   to access government services, reports or data
G.   to file income tax returns
H.   to access news, including sports and weather information

SQ10A - SQ10C   The next few services I am going to read are not currently available. Please answer yes or no about your interest in using each one in the future, if it were available.

Would you be interested in using your computer: <1> Yes <2> No <D> <R>

A.   to vote in elections
B.   to submit health insurance claims
DO NOT DISPLAY "c" IF RESPONDENT HAS NO CHILDREN AGE 5 THRU 18
C.   to find out about your (child's/children's) school schedule or contact (his/her/their) teachers

SQ11.   Are you very, somewhat, or not at all concerned that personal information you provide to a computer-based service would not be kept confidential?

        <1>   Very concerned
        <2>   Somewhat concerned
        <3>   Not at all concerned
         <D> or <R>

SQ12.   Do you think it is important for school-age children (kindergarten thru 12th grade) to learn to use computers?

        <1>   Yes
        <2>   No
        <3>   No opinion
         <D> or <R>

CHLDCK2   If reference person has child/children age 5 thru 18 go to SQ13 Else end questions

IF ONLY ONE ELIGIBLE CHILD IN HOUSEHOLD, USE FIRST PARENTHETICAL. ELSE USE SECOND PARENTHETICAL

SQ13.   (Does your child/Do your children) use computers in school?

        <1>   Yes (If only one eligible child in household, skip to PLANCK. Else go to SQ14.)
        <2>   No (skip to PLANCK)
         <D> or <R> (skip to PLANCK)

SQ14A - SQ14E.   Which of your children use computers in school?

    LIST REFERENCE PERSON'S ELIGIBLE CHILDREN

    ENTER CHILD'S LINE NUMBER __

PLANCK   If SQ1 is Yes goto SQ16
        If SQ1 is NO and SQ3 is YES, then go to SQ15
        Else end questions

SQ15.   Earlier you said you intended to buy a computer within the next year. Will your (child/children) use the computer at home?

        <1> Yes (end questions)
        <2> No (end questions)
         <D> or <R> (end questions)

SQ16.   (Does your child/Do your children) use the computer in this household?

        <1>   Yes
        <2>   No
         <D> or <R>

INDUSTRY CLASSIFICATIONS

Industry Classification Codes for Detailed Industry
(3-digit)

There are 236 categories for the employed, with 1 additional category for the experienced unemployed. These categories are aggregated into 51 detailed groups and 23 major groups. (Numbers in parentheses are the 1987 SIC code equivalent; see Executive Office of the President, Office of Management and Budget, Standard Industrial Classification Manual, 1987. "Pt" means part, "n.e.c." means not elsewhere classified.)

These codes correspond to Item **PEI01ICD** located in the adults record layout. These codes are located in positions 436-438 in all months **except** March. In **March**, these codes are in Item **A-IND** which is located in positions 0103-0105. These 3-digit codes are also used for classifying industry for the second job (**PEI02ICD**).

Code	Industry
000-009	not used
010-030	AGRICULTURE
010	Agricultural production, crops (01)
011	Agricultural production, livestock (02)
012	Veterinary services (074)
013-019	not used
020	Landscape and horticultural services (078)
021-029	not used
030	Agricultural services, n.e.c. (071, 072, 075, 076)
031-032	FORESTRY AND FISHERIES
031	Forestry (08)
032	Fishing, hunting, and trapping (09)
033-039	not used
040-050	MINING
040	Metal mining (10)
041	Coal mining (12)
042	Oil and gas extraction (13)
043-049	not used
050	Nonmetallic mining and quarrying, except fuel (14)
051-059	not used
060	CONSTRUCTION (15, 16, 17)
061-099	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, frozen 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)

Code	Industry
120	Beverage industries (208)
121	Miscellaneous food preparations and kindred products (207, 209)
122	Not specified food industries
123-129	not used
130	Tobacco manufactures (21)
131	not used
132-150	Textile mill products
132	Knitting mills (225)
133-139	not used
140	Dyeing and finishing textiles, except wool and knit goods (226)
141	Carpets and rugs (227)
142	Yarn, thread, and fabric mills (221-224, 228)
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)
161	Miscellaneous paper and pulp products (267)
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 (302-306)
212	Miscellaneous plastics products (308)
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
230-392	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

Code	Industry
241	Miscellaneous wood products (244, 249)
242	Furniture and fixtures (25)
243-249	not used
250-262	Stone, clay, glass, and concrete products
250	Glass and glass products (321-323)
251	Cement, concrete, gypsum, and plaster products (324, 327)
252	Structural clay products (325)
253-260	not used
261	Pottery and related products (326)
262	Miscellaneous nonmetallic mineral and stone products (328, 329)
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, 3363, 3365)
273-279	not used
280	Other primary metal industries (3331, 3339, part 334, 3351, 3356, 3357, 3364, 3366, 3369, 339)
281	Cutlery, handtools, and general hardware (342)
282	Fabricated structural metal products (344)
283-289	not used
290	Screw machine products (345)
291	Metal forgings and stampings (346)
292	Ordnance (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 and computing equipment
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 (3578, 3579)
322	Computers and related equipment (3571-3577)
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, TV, and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
343-349	not used
350	Not specified electrical machinery, equipment, and supplies
351-370	Transportation equipment
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
353-359	not used
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
363-369	not used
370	Cycles and miscellaneous transportation equipment (375, 379)
371-381	Professional and photographic equipment, and watches
371	Scientific and controlling instruments (381, 382 except 3827)

Code	Industry
372	Medical, dental, and optical instruments and supplies (3827, 384, 385)
373-379	not used
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
382-389	not used
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 except 394)
392	Not specified manufacturing industries
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 and cable (483, 484)
441	Telephone communications (481)
442	Telegraph and miscellaneous communications services (482, 489)
443-449	not used
450-472	UTILITIES AND SANITARY SERVICES
450	Electric light and power (491)
451	Gas and steam supply systems (492, 496)
452	Electric and gas, and other combinations (493)
453-469	not used
470	Water supply and irrigation (494, 497)
471	Sanitary services (495)
472	Not specified utilities
473-499	not used
500-571	WHOLESALE TRADE
500-532	Durable Goods
500	Motor vehicles and equipment (501)
501	Furniture and home furnishings (502)
502	Lumber and construction materials (503)
503-509	not used
510	Professional and commercial equipment and supplies (504)
511	Metals and minerals, except petroleum (505)
512	Electrical goods (506)
513-520	not used
521	Hardware, plumbing and heating supplies (507)
522-529	not used
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)

Code	Industry
532	Miscellaneous wholesale, durable goods (509 except 5093)
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-product raw materials (515)
552	Petroleum products (517)
553-559	not used
560	Alcoholic beverages (518)
561	Farm supplies (5191)
562	Miscellaneous wholesale, nondurable goods (5192-5199)
563-570	not used
571	Not specified wholesale trade
572-579	not used
580-691	RETAIL TRADE
580	Lumber and building material retailing (521, 523)
581	Hardware stores (525)
582	Retail nurseries and garden stores (526)
583-589	not used
590	Mobile home dealers (527)
591	Department stores (531)
592	Variety stores (533)
593-599	not used
600	Miscellaneous general merchandise stores (539)
601	Grocery stores (541)
602	Dairy products stores (545)
603-609	not used
610	Retail bakeries (546)
611	Food stores, n.e.c. (542, 543, 544, 549)
612	Motor vehicle dealers (551, 552)
613-619	not used
620	Auto and home supply stores (553)
621	Gasoline service stations (554)
622	Miscellaneous vehicle dealers (555, 556, 557, 559)
623	Apparel and accessory stores, except shoe (56, except 566)
624-629	not used
630	Shoe stores (566)
631	Furniture and home furnishings stores (571)
632	Household appliance stores (572)
633	Radio, TV, and computer stores (5731, 5734)
634-639	not used
640	Music stores (5735, 5736)
641	Eating and drinking places (58)
642	Drug stores (591)
643-649	not used
650	Liquor stores (592)
651	Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652	Book and stationery stores (5942, 5943)
653-659	not used
660	Jewelry stores (5944)
661	Gift, novelty, and souvenir shops (5947)
662	Sewing, needlework and piece goods stores (5949)
663	Catalog and mail order houses (5961)

Code	Industry
664-669	not used
670	Vending machine operators (5962)
671	Direct selling establishments (5963)
672	Fuel dealers (598)
673-680	not used
681	Retail florists (5992)
682	Miscellaneous retail stores (593, 5948, 5993-5995, 5999)
683-690	not used
691	Not specified retail trade
692-699	not used

Code	Industry
700-712	FINANCE, INSURANCE, AND REAL ESTATE
700	Banking (60 except 603 and 606)
701	Savings institutions, including credit unions (603, 606)
702	Credit agencies, n.e.c. (61)
703-709	not used
710	Security, commodity brokerage, and investment companies (62, 67)
711	Insurance (63, 64)
712	Real estate, including real estate-insurance offices (65)
713-720	not used

Code	Industry
721-760	BUSINESS AND REPAIR SERVICES
721	Advertising (731)
722	Services to dwellings and other buildings (734)
723-730	not used
731	Personnel supply services (736)
732	Computer and data processing services (737)
733-739	not used
740	Detective and protective services (7381, 7382)
741	Business services, n.e.c. (732, 733, 735, 7383-7389)
742	Automotive rental and leasing, without drivers (751)
743-749	not used
750	Automotive parking and carwashes (752, 7542)
751	Automotive repair and related services (753, 7549)
752	Electrical repair shops (762, 7694)
753-759	not used
760	Miscellaneous repair services (763, 764, 7692, 7699)

Code	Industry
761-791	PERSONAL SERVICES
761	PRIVATE HOUSEHOLDS (88)
762-791	PERSONAL SERVICES, EXCEPT PRIVATE HOUSEHOLD
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 except part 7219)
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 7219)
791	Miscellaneous personal services (722, 729)
792-799	not used

Code	Industry

Code   **Industry**

800-810   ENTERTAINMENT AND RECREATION SERVICES
800   Theaters and motion pictures (781-783, 792)
801   Video tape rental (784)
802   Bowling centers (793)
803-809   not used
810   Miscellaneous entertainment and recreation services (791, 794, 799)
811   not used

812-893   PROFESSIONAL AND RELATED SERVICES
812-830   MEDICAL SERVICES, EXCEPT HOSPITALS
812   Offices and clinics of physicians (801, 803)
813-819   not used
820   Offices and clinics of dentists (802)
821   Offices and clinics of chiropractors (8041)
822   Offices and clinics of optometrists (8042)
823-829   not used
830   Offices and clinics of health practitioners, n.e.c. (8043, 8049)

831   HOSPITALS (806)

832-840   MEDICAL SERVICES, EXCEPT HOSPITALS (Continued)
832   Nursing and personal care facilities (805)
833-839   not used
840   Health services, n.e.c. (807, 808, 809)

841   OTHER PROFESSIONAL SERVICES (also includes codes 872-893)
841   Legal services (81)

842-860   EDUCATIONAL SERVICES
842   Elementary and secondary schools (821)
843-849   not used
850   Colleges and universities (822)
851   Vocational schools (824)
852   Libraries (823)
853-859   not used
860   Educational services, n.e.c. (829)

861-871   SOCIAL SERVICES
861   Job training and vocational rehabilitation services (833)
862   Child day care services (part 835)
863   Family child care homes (part 835)
864-869   not used
870   Residential care facilities, without nursing (836)
871   Social services, n.e.c. (832, 839)

872-893   OTHER PROFESSIONAL SERVICES (Also includes code 840)
872   Museums, art galleries, and zoos (84)
873   Labor unions (863)
874-879   not used
880   Religious organizations (866)
881   Membership organizations, n.e.c. (861, 862, 864, 865, 869)
882   Engineering, architectural, and surveying services (871)
883-889   not used
890   Accounting, auditing, and bookkeeping services (872)
891   Research, development, and testing services (873)
892   Management and public relations services (874)
893   Miscellaneous professional and related services (899)

Code	Industry
894-899	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

Detailed Industry Recodes
(01-51)

These codes correspond to Item A-DTIND located in positions 218-219 of the adult record layout in all months **except** March. In **March**, these codes are located in positions 0157-0158.

Detailed Industry	Recode	Industry Code
Agriculture Service	01	012-030
Other Agriculture	02	010-011
Mining	03	040-050
Construction	04	060
Manufacturing (Durable Goods)		
Lumber and wood products, except furniture	05	230-241
Furniture and fixtures	06	242
Stone clay, glass, and concrete product	07	250-262
Primary metals	08	270-280
Fabricated metal	09	281-300
Not specified metal industries	10	301
Machinery, except electrical	11	310-332
Electrical machinery, equipment, and supplies	12	340-350
Motor vehicles and equipment	13	351
Aircraft and parts	14	352
Other transportation equipment	15	360-370
Professional and photographic equipment, and watches	16	371-382
Toys, amusements, and sporting goods	17	390
Miscellaneous and not specified manufacturing industries	18	391-392
Manufacturing (Nondurable Goods)		
Food and kindred products	19	100-122
Tobacco manufactures	20	130
Textile mill products	21	132-150
Apparel and other finished textile products	22	151-152
Paper and allied products	23	160-162
Printing, publishing and allied industries	24	171-172
Chemicals and allied products	25	180-192
Petroleum and coal products	26	200-201
Rubber and miscellaneous plastics products	27	210-212
Leather and leather products	28	220-222
Transportation	29	400-432
Communications	30	440-442
Utilities and Sanitary Services	31	450-472
Wholesale Trade	32	500-571
Retail Trade	33	580-691
Banking and Other Finance	34	700-710
Insurance and Real Estate	35	711-712
Private Household Services	36	761
Business Services	37	721-750

Detailed Industry	Recode	Industry Code
Repair Services	38	751-760
Personal Services, Except Private Household	39	762-791
Entertainment and Recreation Services	40	800-810
Hospitals	41	831
Health Services, Except Hospitals	42	812-830
		832-840
Educational Services	43	842-860
Social Services	44	861-871
Other Professional Services	45	841,872-893
Forestry and Fisheries	46	031,032
Justice, Public Order and Safety	47	910
Administration of Human Resource Programs	48	922
National Security and Internal Affairs	49	932
Other Public Administration	50	900,901,921,930,931
Armed Forces last job, currently employed	51	991

Major Industry Recodes
(01-23)

These codes correspond to Item A-MJIND located in positions 216-217 of the adults record layout in all months **except** March. In **March**, these codes are located in positions 0155-0156.

Major Industry	Recode	Industry Code
Agriculture	01	010-030
Mining	02	040-050
Construction	03	060
Manufacturing		
(Durable Goods)	04	230-392
Nondurable Goods	05	100-222
Transportation, communications and other public utilities		
Transportation	06	400-432
Communications and public utilities		
Communications	07	440-442
Utilities and sanitary service	08	450-472
Wholesale Trade		
Wholesale trade	09	500-571
Retail Trade	10	580-691
Finance, insurance, and real estate	11	700-712
Services		
Private households	12	761
Miscellaneous services		
Business and Repair Services	13	721-760
Personal services, except pri. hhlds.	14	762-791
Entertainment and recreation services	15	800-810
Professional and related Services		
Hospitals	16	831
Medical services, except hospitals	17	812-830, 832-840
Educational services	18	842-860
Social services	19	861-871
Other professional services	20	841, 872-893
Forestry and fisheries	21	031-032
Public administration	22	900-932
Armed forces	23	991

ATTACHMENT 12

OCCUPATION CLASSIFICATIONS

Occupational Classification Codes for Detailed Occupational Categories
(3-digit)

There are 500 categories for the employed with 1 additional category for the experienced unemployed. These categories are aggregated into 46 detailed groups and 14 major groups.

The classification is developed from the 1980 Standard Occupational Classification. "n.e.c." is the abbreviation for not elsewhere classified.

These codes correspond to Item **PEI01OCD** located in the adults record layout. These codes are located in positions 439-441 in all months **except** March. In **March**, these codes are in Item **A-OCC** which is located in positions 0106-0108. These 3-digit codes are also used for classifying occupation for the second job (**PEI02OCD**).

Code	Occupation
000-199	MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS
000-037	EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS
000-002	not used
003	Legislators (111)
004	Chief executives and general administrators, public administration (112)
005	Administrators and officials, public administration (1132-1139)
006	Administrators, protective services (1131)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
010-012	not used
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Postmasters and mail superintendents (1344)
017	Managers, food serving and lodging establishments (1351)
018	Managers, properties and real estate (1353)
019	Funeral directors (part 1359)
020	not used
021	Managers, service organizations, n.e.c. (127, 1352, 1354, part 1359)
022	Managers and administrators, n.e.c. (121, 126, 132-1343, 136-139)
023-037	Management Related Occupations
023	Accountants and auditors (1412)
024	Underwriters (1414)
025	Other financial officers (1415, 1419)
026	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (1443)
029	Buyers, wholesale and retail trade except farm products (1442)
030-032	not used
033	Purchasing agents and buyers, n.e.c. (1449)
034	Business and promotion agents (145)
035	Construction inspectors (1472)
036	Inspectors and compliance officers, except construction (1473)
037	Management related occupations, n.e.c. (149)
038-042	not used

Code	Occupation
043-199	PROFESSIONAL SPECIALTY OCCUPATIONS
043-063	Engineers, Architects, and Surveyors
043	Architects (161)
044-059	Engineers
044	Aerospace (1622)
045	Metallurgical and materials (1623)
046	Mining (1624)
047	Petroleum (1625)
048	Chemical (1626)
049	Nuclear (1627)
050-052	not used
053	Civil (1628)
054	Agricultural (1632)
055	Electrical and electronic (1633, 1636)
056	Industrial (1634)
057	Mechanical (1635)
058	Marine and naval architects (1637)
059	Engineers, n.e.c. (1639)
060-062	not used
063	Surveyors and mapping scientists (164)
064-068	Mathematical and Computer Scientists
064	Computer systems analysts and scientists (171)
065	Operations and systems researchers and analysts (172)
066	Actuaries (1732)
067	Statisticians (1733)
068	Mathematical scientists, n.e.c. (1739)
069-083	Natural Scientists
069	Physicists and astronomers (1842, 1843)
070-072	not used
073	Chemists, except biochemists (1845)
074	Atmospheric and space scientists (1846)
075	Geologists and geodesists (1847)
076	Physical scientists, n.e.c. (1849)
077	Agricultural and food scientists (1853)
078	Biological and life scientists (1854)
079	Forestry and conservation scientists (1852)
080-082	not used
083	Medical scientists (1855)
084-089	Health Diagnosing Occupations
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089	Health diagnosing practitioners, n.e.c. (289)
090-094	not used
095-106	Health Assessment and Treating Occupations
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
098-105	Therapists
098	Respiratory therapists (3031)
099	Occupational therapists (3032)
100-102	not used
103	Physical therapists (3033)
104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)

Code	Occupation
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
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)

Code	Occupation
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 printmakers (325)
189	Photographers (326)
190-192	not used
193	Dancers (327)
194	Artists, performers, and related workers, n.e.c. (328, 329)
195	Editors and reporters (331)
196	not used
197	Public relations specialists (332)
198	Announcers (333)
199	Athletes (34)
200-202	not used
203-389	TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS
203-235	TECHNICIANS AND RELATED SUPPORT OCCUPATIONS
203-208	Health Technologists and Technicians
203	Clinical laboratory technologists and technicians (362)
204	Dental hygienists (363)
205	Health record technologists and technicians (364)
206	Radiologic technicians (365)
207	Licensed practical nurses (366)
208	Health technologists and technicians, n.e.c. (369)
209-212	not used
213-235	Technologists and Technicians, Except Health
213-218	Engineering and Related Technologists and Technicians
213	Electrical and electronic technicians (3711)
214	Industrial engineering technicians (3712)
215	Mechanical engineering technicians (3713)
216	Engineering technicians, n.e.c. (3719)
217	Drafting occupations (372)
218	Surveying and mapping technicians (373)
219-222	not used
223-225	Science Technicians
223	Biological technicians (382)
224	Chemical technicians (3831)
225	Science technicians, n.e.c. (3832, 3833, 384, 389)
226-235	Technicians, Except Health, Engineering, and Science
226	Airplane pilots and navigators (825)
227	Air traffic controllers (392)
228	Broadcast equipment operators (393)
229	Computer programmers (3971, 3972)
230-232	not used
233	Tool programmers, numerical control (3974)

Code	Occupation
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)
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)

Code	Occupation
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
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)
350-352	not used
353	Communications equipment operators, n.e.c. (4733, 4739)
354-357	Mail and Message Distributing Occupations
354	Postal clerks, except mail carriers (4742)
355	Mail carriers, postal service (4743)
356	Mail clerks, except postal service (4744)
357	Messengers (4745)
358	not used
359-374	Material Recording, Scheduling, and Distributing Clerks
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, checkers, and samplers (4756, 4757)
369-372	not used
373	Expediters (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)

Code	Occupation
386	Statistical clerks (4794)
387	Teachers' aides (4795)
388	not used
389	Administrative support occupations, n.e.c. (4787, 4799)
390-402	not used

403-469	SERVICE OCCUPATIONS
403-407	PRIVATE HOUSEHOLD OCCUPATIONS
403	Launderers and ironers (503)
404	Cooks, private household (504)
405	Housekeepers and butlers (505)
406	Child care workers, private household (506)
407	Private household cleaners and servants (502, 507, 509)
408-412	not used

413-427	PROTECTIVE SERVICE OCCUPATIONS
413-415	Supervisors, Protective Service Occupations
413	Supervisors, firefighting and fire prevention occupations (5111)
414	Supervisors, police and detectives (5112)
415	Supervisors, guards (5113)
416-417	Firefighting and Fire Prevention Occupations
416	Fire inspection and fire prevention occupations (5122)
417	Firefighting occupations (5123)
418-424	Police and Detectives
418	Police and detectives, public service (5132)
419-422	not used
423	Sheriffs, bailiffs, and other law enforcement officers (5134)
424	Correctional institution officers (5133)
425-432	Guards
425	Crossing guards (5142)
426	Guards and police, except 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 (5214, 5215)
437	not used
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)

Code	Occupation
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	not used
461	Guides (5255)
462	Ushers (5256)
463	Public transportation attendants (5257)
464	Baggage porters and bellhops (5262)
465	Welfare service aides (5263)
466	Family child care providers (part 5264)
467	Early childhood teacher's assistants (part 5264)
468	Child care workers, n.e.c. (part 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 (part 8241)
498	Fishers (583)
499	Hunters and trappers (584)
500-502	not used
503-699	PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS
503-552	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 (part 6111)
506	Automobile mechanic apprentices (part 6111)
507	Bus, truck, and stationary engine mechanics (6112)

Code	Occupation
508	Aircraft engine mechanics (6113)
509	Small engine repairers (6114)
510-513	not used
514	Automobile body and related repairers (6115)
515	Aircraft mechanics, except 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 (6314)
556	Supervisors, painters, paperhangers, and plasterers (6315)
557	Supervisors, plumbers, pipefitters, and steamfitters (6316)
558	Supervisors, construction, n.e.c. (6311, 6318)
559-562	not used
563-599	Construction Trades, Except Supervisors
563	Brickmasons and stonemasons (part 6412, part 6413)
564	Brickmason and stonemason apprentices (part 6412, part 6413)
565	Tile setters, hard and soft (part 6414, part 6462)
566	Carpet installers (part 6462)
567	Carpenters (part 6422)
568	not used
569	Carpenter apprentices (part 6422)
570-572	not used
573	Drywall installers (6424)
574	not used
575	Electricians (part 6432)
576	Electrician apprentices (part 6432)

Code	Occupation
577	Electrical power installers and repairers (6433)
578	not used
579	Painters, construction and maintenance (6442)
582	not used
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (part 645)
586	not used
587	Plumber, pipefitter, and steamfitter apprentices (part 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)
618-627	not used
628-699	Precision Production Occupations
628	Supervisors, production occupations (67, 71)
629-633	not used
634-655	Precision Metal Working Occupations
634	Tool and die makers (part 6811)
635	Tool and die maker apprentices (part 6811)
636	Precision assemblers, metal (6812)
637	Machinists (part 6813)
638	not used
639	Machinist apprentices (part 6813)
640-642	not used
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Patternmakers and model makers, metal (6817)
646	Lay-out workers (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 (part 6824)
654	Sheet metal worker apprentices (part 6824)
655	Miscellaneous precision metal workers (6829)
656-659	Precision Woodworking Occupations
656	Patternmakers and model makers, wood (6831)
657	Cabinet makers and bench carpenters (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
660-665	not used

Code	Occupation
666-674	Precision Textile, Apparel, and Furnishings Machine Workers
666	Dressmakers (part 6852, part 7752)
667	Tailors (part 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
670-673	not used
674	Miscellaneous precision apparel and fabric workers (6856, 6859, part 7752)
675-684	Precision Workers, Assorted Materials
675	Hand molders and shapers, except jewelers (6861)
676	Patternmakers, lay-out workers, and cutters (6862)
677	Optical goods workers (6864, part 7477, part 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 (part 693)
696	Stationary engineers (part 693, 7668)
697-698	not used
699	Miscellaneous plant and system operators (692, 694, 695, 696)
700-702	not used
703-889	OPERATORS, FABRICATORS, AND LABORERS
703-799	MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS
703-779	Machine Operators and Tenders, Except Precision
703-715	Metal Working and Plastic Working Machine Operators
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
710-712	not used
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
716	not used
717	Fabricating machine operators, n.e.c. (7339, 7539)
718	not used
719-725	Metal and Plastic Processing Machine Operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
720-722	not used
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)

Code	Occupation
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	Nailing 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 press operators (7443, 7643)
735	Photoengravers and lithographers (6842, 7444, 7644)
736	Typesetters and compositors (6841, 7642)
737	Miscellaneous printing machine operators (6849, 7449, 7649)
738-749	Textile, Apparel, and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
740-742	not used
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745	Shoe machine operators (7656)
746	not used
747	Pressing machine operators (7657)
748	Laundering and dry cleaning machine operators (6855, 7658)
749	Miscellaneous textile machine operators (7459, 7659)
750-752	not used
753-779	Machine Operators, Assorted Materials
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (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, except food (7675)
767	not used
768	Crushing and grinding machine operators (part 7477, part 7677)
769	Slicing and cutting machine operators (7478, 7678)
770-772	not used
773	Motion picture projectionists (part 7479)
774	Photographic process machine operators (6863, 6868, 7671)
775-776	not used
777	Miscellaneous machine operators, n.e.c. (part 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)

Code	Occupation
790-792	not used
793	Hand engraving and printing occupations (7757)
794	not used
795	Miscellaneous hand working occupations (7758, 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, except 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 (8212-8214)
805	not used
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 (part 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)
860-863	not used

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

Detailed Occupation Recodes
(01-46)

These codes correspond to the Item A-DTOCC located in positions 222-223 of the adults record layout in all months **except** March. In **March**, these codes are located in positions 0161-0162.

Detailed Occupation	Recode	Occupation Code
Administrators and Officials, Public Administration	01	003-006
Other Executive, Administrators, and Managers	02	007-022
Management Related Occupations	03	023-037
Engineers	04	044-059
Mathematical and Computer Scientists	05	064-068
Natural Scientists	06	069-083
Health Diagnosing Occupations	07	084-089
Health Assessment and Treating Occupations	08	095-106
Teachers, College and University	09	113-154
Teachers, Except College and University	10	155-159
Lawyers and Judges	11	178-179
Other Professional Specialty Occupations	12	043,063, 163-177, 183-199
Health Technologists and Technicians	13	203-208
Engineering and Science Technicians	14	213-225
Technicians, Except Health Engineering, and Science	15	226-235
Supervisors and Proprietors, Sales Occupations	16	243
Sales Representatives, Finance, and Business Service	17	253-257
Sales Representatives, Commodities, Except Retail	18	258-259
Sales Workers, Retail and Personal Services	19	263-278
Sales Related Occupations	20	283-285
Supervisors - Administrative Support	21	303-307
Computer Equipment Operators	22	308-309
Secretaries, Stenographers, and Typists	23	313-315
Financial Records, Processing Occupations	24	337-344
Mail and Message Distributing	25	354-357
Other Administrative Support Occupations, Including Clerical	26	316-336, 345-353, 359-389
Private Household Service Occupations	27	403-407
Protective Service Occupations	28	413-427
Food Service Occupations	29	433-444
Health Service Occupations	30	445-447
Cleaning and Building Service Occupations	31	448-455
Personal Service Occupations	32	456-469

Detailed Occupation	Recode	Occupation Code
Mechanics and Repairers	33	503-549
Construction Trades	34	553-599
Other Precision Production Occupations	35	613-699
Machine Operators and Tenders, Except Precision	36	703-779
Fabricators, Assemblers, Inspectors, and Samplers	37	783-799
Motor Vehicle Operators	38	803-814
Other Transportation Occupations and Material Moving	39	823-859
Construction Laborer	40	869
Freight, Stock and Material Handlers	41	875-883
Other Handlers, Equipment Cleaners, and Laborers	42	864-868 874, 885-889
Farm Operators and Managers	43	473-476
Farm Workers and Related Occupations	44	477-489
Forestry and Fishing Occupations	45	494-499
Armed Forces last job, currently unemployed	46	905

Major Occupation Group Recodes
(01-14)

These codes correspond to the Item A-MJOCC located in positions 220-221 of the adults record layout in all months **except** March. In **March**, these codes are located in positions 0159-0160.

Occupation Group	Recode	Occupation Code
Managerial and professional specialty occupations		
Executive, administrative, and managerial occupations	01	003-037
Professional specialty occupations	02	043-199
Technical, sales, and administrative support occupations		
Technicians and related support occupations	03	203-235
Sales occupations	04	243-285
Administrative support occupations, including clerical	05	303-389
Service Occupations		
Private household occupations	06	403-407
Protective service occupations	07	413-427
Service occupations, except protective and household	08	433-469
Precision production, craft, and repair occupations	09	503-699
Operators, fabricators, and laborers		
Machine operators, assemblers, and inspectors	10	703-799
Transportation and material moving equipment occupations	11	803-859
Handlers, equipment cleaners, helpers, and laborers	12	864-889
Farming, forestry, and fishing occupations	13	473-499
Armed Forces last job, currently unemployed	14	905

ATTACHMENT 13

Specific Metropolitan Identifiers

The specific metropolitan identifiers on this file are based on the Office of Management and Budget's June 30, 1984 definitions and are ranked according to Census Bureau population estimates for July 1, 1983. Identification of CMSA's is based on the CMSA/MSA rank code (see List 1) or the CMSA FIPS Code (see List 5). MSA's can be Identified by using either the CMSA/MSA rank code (List 1) or the FIPS MSA/PMSA code (List 4). PMSA's can be Identified by either the FIPS MSA/PMSA code (List 4) or a combination of the CMSA/MSA rank codes and the PMSA rank code (List 2). Identification of Individual central cities is based on a combination of codes (See List 3). Individual central cities are identified by the appropriate central city code and the FIPS MSA/PMSA code or the appropriate central city code, the CMSA/MSA rank code, and, if necessary, the PMSA rank code. Some examples of the proper coding of specific metropolitan areas are given below.

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

N/C = No Code Required

NOTES:

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

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

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

CMSA/ MSA RANK CODE	FIPS MSA/ PMSA CODE	CMSA/MSA TITLE
001		New York-New Jersey-Long Island, NY-NJ CMSA
002		Los Angeles-Anaheim-Riverside, CA CMSA
003		Chicago-Gary-Lake County, IL-IN-WI CMSA (Wisconsin portion not in sample)
004		Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA (Maryland portion suppressed)
005		San Francisco-Oakland-San Jose, CA CMSA
006		Detroit-Ann Arbor, MI CMSA
007		Boston-Lawrence-Salem, MA-NH CMSA
008		Houston-Galveston-Brazoria, TX CMSA
009	8840	Washington, DC-VA MSA
010		Dallas-Fort Worth, TX CMSA
011		Cleveland-Akron-Lorain, OH CMSA
012		Miami-Fort Lauderdale, FL CMSA
013		Pittsburgh-Beaver Valley, PA CMSA
014		St. Louis, MO-IL CMSA
015	0520	Atlanta, GA MSA
016	0720	Baltimore, MD MSA
017	5120	Minneapolis-St. Paul, MN-WI MSA (Wisconsin portion not identified)
018		Seattle-Tacoma, WA CMSA
019	7320	San Diego, CA MSA
020	8280	Tampa-St. Petersburg-Clearwater, FL MSA
021		Denver-Boulder, CO CMSA
022		Cincinnati-Hamilton, OH-KY-IN CMSA (Indiana portion not identified)
023	6200	Phoenix, AZ MSA
024		Milwaukee-Racine, WI CMSA
025	3760	Kansas City, MO-KS MSA
026		Portland-Vancouver, OR-WA CMSA
027	5560	New Orleans, LA MSA
028	1840	Columbus, OH MSA
029	5720	Norfolk-Virginia Beach-Newport News, VA MSA
030		Buffalo-Niagara Falls, NY CMSA
031	6920	Sacramento, CA MSA
032	3480	Indianapolis, IN MSA
033	7240	San Antonio, TX MSA
034		Providence-Pawtucket-Fall River, RI-MA CMSA
035	1520	Charlotte-Gastonia-Rock Hill, NC-SC MSA
036		Hartford-New Britain-Middletown, CT CMSA
037	7160	Salt Lake City-Ogden, UT MSA
038	6840	Rochester, NY MSA
039	5880	Oklahoma City, OK MSA
040	4520	Louisville, KY-IN MSA
041	2000	Dayton-Springfield, OH MSA
042	4920	Memphis, TN-AR-MS MSA (Arkansas and Mississippi portions not identified)
043	1000	Birmingham, AL MSA

CMSA/ MSA RANK CODE	FIPS MSA/ PMSA CODE	CMSA/MSA TITLE
044	5360	Nashville, TN MSA
045	3120	Greenboro-Winston Salem-High Point, NC MSA
046	0160	Albany-Schenectady-Troy NY MSA
047	3320	Honolulu, HI MSA
048	5960	Orlando, FL MSA
049	6760	Richmond-Petersburg, VA MSA (Dinwiddie and Prince George counties and Colonial Heights, Hopewell, and Petersburg cities not in sample)
050	3600	Jacksonville, FL MSA
051	7560	Scranton-Wilkes Barre, PA MSA (Monroe county not in sample)
052	0560	Tulsa, OK MSA
053	8960	West Palm Beach-Boca Raton-Delray Beach, FL MSA
054	8160	Syracuse, NY MSA
055	0240	Allentown-Bethlehem, PA-NJ MSA (New Jersey portion not identified)
056	0640	Austin, TX MSA
057	3000	Grand Rapids, MI MSA
058	8400	Toledo, OH MSA
059	5920	Omaha, NE-IA MSA (Iowa portion not identified)
060	6640	Raleigh-Durham, NC MSA
061	3160	Greenville-Spartanburg. SC MSA
062	3840	Knoxville, TN MSA
063	8520	Tucson, AZ MSA
064	3240	Harrisburg-Lebanon-Carlisle, PA MSA (Lebanon county not in sample)
065	2840	Fresno, CA MSA
066	0760	Baton Rouge, LA MSA
067	9320	Youngstown-Warren, OH MSA
068	4120	Las Vegas, NV MSA
069	8000	Springfield, MA MSA
070	2320	El Paso, TX MSA
071	5480	New Haven-Meriden, CT MSA
072	4400	Little Rock-North Little Rock, AR MSA
073	1440	Charleston, SC MSA
074	5160	Mobile, AL MSA (Baldwin county not in sample)
075	0680	Bakersfield, CA MSA
076	3660	Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia portion not identified)
077	2640	Flint, MI MSA
078	0200	Albuquerque, NM MSA
079	9040	Wichita, KS MSA
080	1760	Columbia, SC MSA
081	1560	Chattanooga, TN-GA · MSA (Marion and Sequatchie counties Tennessee not in sample)
082	6960	Saginaw-Bay City-Midland, MI MSA
083	4040	Lansing-East Lansing, MI MSA
084	9240	Worcester, MA MSA
085	1320	Canton, OH MSA
086	0840	Beaumont-Port Arthur, TX MSA
087	9280	York, PA MSA
088	1960	Davenport-Rock Island-Moline, IA-IL MSA
089	8120	Stockton, CA MSA

CMSA/ MSA RANK CODE	FIPS MSA/ PMSA CODE	CMSA/MSA TITLE
090	2120	Des Moines, IA MSA (Dallas county not in sample)
091	4000	Lancaster, PA MSA
092	3560	Jackson, MS MSA
093	6120	Peoria, IL MSA
094	0600	Augusta, GA-SC, MSA
095	1880	Corpus Christi, TX MSA
096	7680	Shreveport, LA MSA
097	2760	Fort Wayne, IN MSA
098	7840	Spokane, WA MSA
099	3980	Lakeland-Winter Haven, FL MSA
100	1720	Colorado Springs, CO MSA
101	3400	Huntington-Ashland, WV-KY-OH MSA (Kentucky and Ohio portions not identified)
102	4720	Madison, WI MSA
103	4880	McAllen-Edinburg-Mission, TX MSA
104	4200	Lexington-Fayette, KY MSA
105	8680	Utica-Rome, NY MSA
106	7480	Santa Barbara-Santa Maria-Lompoc, CA MSA
107	6680	Reading, PA MSA
108	6080	Pensacola, FL MBA
109	7120	Salinas-Seaside-Monterey, CA MSA
110	4900	Melbourne-Titusville-Palm Bay, FL MSA
111	0460	Appleton-Oshkosh-Neenah, WI MSA
112	2020	Daytona Beach, FL MSA
113	5170	Modesto, CA MSA
115	5240	Montgomery, AL MSA
116	2360	Erie, PA MSA
117	6880	Rockford, IL MSA
118	2440	Evansville, IN-KY MSA (Kentucky portion not identified)
119	4600	Macon-Warner Robins, GA MSA
120	1400	Charleston, WV MSA
121	2400	Eugene-Springfield, OR MSA
122	0960	Binghamton, NY MSA
123	8700	Visalia-Tulare-Porterville, CA MSA
124	3680	Johnstown, PA MSA
125	2240	Duluth, MN-WI MSA (Wisconsin portion not identified)
126	5520	New London-Norwich, CT-RI MSA (Rhode Island portion suppressed)
127	7000	Salem, OR MSA
128	6460	Poughkeepsie, NY MSA
129	2560	Fayetteville, NC MSA
130	1800	Columbus, GA-AL MSA (Alabama portion not in sample)
131	2700	Fort Myers, FL MSA
132	7000	South Bend-Mishawaka, IN MSA
133	6520	Provo-Orem, UT MSA (Central City portion only identified)
134	1240	Brownsville-Harlingen, TX MSA
135	7520	Savannah, GA MSA
136	7510	Sarasota, FL MSA
137	6000	Roanoke, VA MSA
138	4600	Lubbock, TX MSA
139	3080	Lafayette, LA MSA
140	3810	Killeen-Temple, TX MSA
141	7920	Springfield, MO MSA
142	3720	Kalamazoo, MI MSA
143	0300	Anchorage, AK MSA

CMSA/ MSA RANK CODE	FIPS MSA/ PMSA CODE	CMSA/MSA TITLE
144	6720	Reno, NV MSA (Central City portion only identified)
145	3290	Hickory, NC MSA
146	3440	Huntsville, AL MSA
147	8000	Waterbury, CT MSA
148	8240	Tallahassee, FL MSA
149	6450	Portsmouth-Dover-Rochester, NH-ME MSA (Maine portion not entirely in sample and it is not identified)
150	6400	Portland, ME MSA
151	4360	Lincoln, NE MSA
152	0920	Biloxi-Gulfport, MS MSA
153	3350	Houma-Thibodaux, LA MSA
154	7080	Springfield, IL MSA
156	1000	Boise City, ID MSA
157	2900	Gainesville, FL MSA
158	9000	Wheeling, WV-OH MSA (Ohio portion not identified)
161	8000	Waco, TX MSA
163	3960	Lake Charles, LA MSA
164	1360	Cedar Rapids, IA MSA
165	5400	New Bedford, MA MSA
166	1400	Champaign-Urbana-Rantoul, IL MSA
169	2720	Fort Smith, AR-OK MSA (Oklahoma portion not in sample)
170	1140	Bradenton, FL MBA
171	0480	Asheville, NC MSA
172	0870	Benton Harbor, MI MSA
173	8920	Waterloo-Cedar Falls, IA MSA
174	2670	Fort Collins-Loveland, CO MBA
178	8440	Topeka, KS MSA (Central City portion only identified)
179	1620	Chico, CA MSA
180	5320	Muskegon, MI MSA
181	4320	Lima, OH MSA
184	5790	Ocala, FL MSA
185	3520	Jackson, MS MSA
186	5200	Monroe, LA MSA
192	8600	Tuscaloosa, AL MSA
193	0780	Battle Creek, MI MSA
194	0405	Anderson, SC MSA
197	5910	Olympia, WA MSA
198	8320	Terre Haute, IN MSA
199	2650	Florence, AL MSA
201	0280	Altoona, PA MSA
202	0400	Anderson, IN MSA
203	4760	Manchester, NH MSA
204	4890	Medford, OR MBA
207	3710	Joplin, MO MSA
209	4800	Mansfield, OH MSA
211	7610	Sharon, PA MSA
216	6560	Pueblo, CO MSA
219	4200	Lawton, OK MSA
221	1040	Bloomington-Normal, IL MSA
222	2750	Fort Walton Beach, FL MSA

CMSA/ MSA RANK CODE	FIPS MSA/ PMSA CODE	CMSA/MSA TITLE
224	1305	Burlington, VT MSA
225	9140	Williamsport, PA MSA
226	7720	Sioux City, IA-NE MSA (Nebraska portion not in sample)
231	7760	Sioux Falls, SD MSA
233	2655	Florence, SC MSA
240	0860	Bellingham, WA MSA
242	9340	Yuba City, CA MSA
246	1740	Colombia, MO MSA
247	2880	Gadsden, AL MSA
248	2580	Fayetteville-Springdale, AR MSA
252	3740	Kankakee, IL MSA

LIST 2: PMSA 1983 RANK CODES (PMSARANK)

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

CMSA RANK CODE	PMSA RANK CODE	FIPS MSA PMSA CODE	PMSA TITLE
001	01	5600	New York, NY
	02	5380	Nassau-Suffolk, NY
	03	5640	Newark, NJ
	04	0875	Bergen-Passaic, NJ
	05	5015	Middlesex-Somerset-Hunterdon, NJ
	06	5190	Monmouth-Ocean, NJ
	07	3640	Jersey City, NJ
	08	1160	Bridgeport-Milford, CT
	09	5950	Orange County, NY
	10	8040	Stamford, CT
	11	1930	Danbury, CT
	12	5760	Norwalk, CT
002	01	4480	Los Angeles-Long Beach, CA
	02	0360	Anaheim-Santa Ana, CA
	03	6780	Riverside-San Bernardino, CA
	04	6000	Oxnard-Ventura, CA
003	01	1600	Chicago, IL
	02	2960	Gary-Hammond, IN
	03	3965	Lake County, IL
	04	3690	Joliet, IL
	05	0620	Aurora-Elgin, IL
004	01	6160	Philadelphia, PA-NJ
	02	9160	Wilmington, DE-NJ-MD (New Jersey portion not identified, Maryland portion suppressed.)
	03	8480	Trenton, NJ
005	01	5775	Oakland, CA
	02	7360	San Francisco, CA
	03	7400	San Jose, CA
	04	8720	Vallejo-Fairfield-Napa, CA
	05	7500	Santa Rosa-Petaluma, CA
	06	7485	Santa Cruz, CA
006	01	2160	Detroit, MI
	02	0440	Ann Arbor, MS
007	01	1120	Boston, MA
	02	4160	Lawrence-Haverhill, MA-NH (New Hampshire portion not identified)
	03	7090	Salem-Gloucester, MA
	04	4560	Lowell, MA-NH (New Hampshire portion not identified)
	05	1200	Brockton, MA
008	01	3360	Houston, TX
	02	2920	Galveston-Texas City, TX
	03	1145	Brazoria, TX

CMSA RANK CODE	PMSA RANK CODE	FIPS MSA PMSA CODE	PMSA TITLE
010	01	1920	Dallas, TX
	02	2800	Fort Worth-Arlington, TX
011	01	1680	Cleveland, OH
	02	0080	Akron, OH
	03	4440	Lorain-Elyria, OH
012	01	5000	Miami-Hialeah, FL
	02	2680	Fort Lauderdale-Hollywood-Pompano Beach, FL
013	01	6280	Pittsburgh, PA
	02	0845	Beaver County, PA
014	01	7040	St, Louis, MO-IL (Illinois portion not i dentified)
018	01	7600	Seattle, WA
	02	8200	Tacoma, WA
021	01	2080	Denver, CO
	02	1125	Boulder-Longmont, CO
022	01	1640	Cincinnati, OH-KY-IN (Indiana portion not identified)
	02	3200	Hamilton-Middletown, OH
024	01	5080	Milwaukee, WI
	02	6600	Racine, WI
026	01	6440	Portland, OR
	02	8725	Vancouver, WA
030	01	1280	Buffalo, NY
	02	5700	Niagara Falls, NY
034	01	6480	Providence, RI
	02	6060	Pawtucket-Woonsocket-Attleboro, RI-MA (Rhode Island-Central City portion only identified)
036	01	3280	Hartford, CT
	02	5440	New Britain, CT

LIST 3: INDIVIDUAL CENTRAL CITY CODES (CCCODE)

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

LIST 4: FIPS MSA/PMSA CODES (SMSAFIPS)

CMSA/ MSA RANK CODE	PMSA RANK CODE	FIPS MSA/ PMSA CODE	MSA/PMSA TITLE
011	02	0080	Akron, OH, PMSA
046		0160	Albany-Schenectady-Troy, NY MSA
078		0200	Albuquerque, NM MSA
055		0240	Allentown-Bethlehem, PA-NJ MSA (New Jersey portion not identified)
201		0280	Altoona, PA MSA
002	02	0360	Anaheim-Santa Ana, CA PMSA
143		0380	Anchorage, AK MSA
202		0400	Anderson, IN MSA
194		0405	Anderson, SC MSA
006	02	0440	Ann Arbor, MI PMSA
111		0460	Appleton-Oshkosh-Neenaht, WI MSA
171		0480	Asheville, NC MSA
015		0520	Atlanta, GA MSA
094		0600	Augusta, GA-SC MSA
003	05	0620	Aurora-Elgin, IL PMSA
056		0640	Austin, TX MSA
075		0680	Bakersfield, CA MSA
016		0720	Baltimore, MD MSA
066		0760	Baton Rouge, LA MSA
193		0780	Battle Creek, MI MSA
086		0840	Beaumont-Port Arthur, FL MSA
013	02	0845	Beaver County, PA PMSA
240		0860	Bellingham, WA MSA
172		0870	Benton Harbor, MI MSA
001	04	0875	Bergen-Passaic, NJ PMSA
152		0920	Biloxi-Gulfport, MS MSA
122		0960	Binghamton, NY MSA
043		1000	Birmingham, AL MSA
221		1040	Bloomington-Normal, IL MSA
156		1080	Boise City, ID MSA
007	01	1120	Boston, MA PMSR
021	02	1125	Boulder-Longmont, CO PMSA
170		1140	Bradenton, FL MSA
008	03	1145	Brazoria, TX PMSA
001	08	1160	Bridgeport-Milford, CT PMSA
007	05	1200	Brockton, MA PMSA
134		1240	Brownsville-Harlingen, TX MSA
030	01	1280	Buffalo, NY PMSA
224		1305	Burlington, VT MSA
085		1320	Canton, OH MSA
164		1360	Cedar Rapids, IA MSA
166		1400	Champaign-Urbana-Rantoul, IL MSA
073		1440	Charleston, SC MSA
120		1480	Charleston, WV MSA
035		1520	Charlotte-Gastonia-Rock Hill, NC-SC MSA
081		1560	Chattanooga, TN-A MSA (Marion and Sequatchie counties Tennessee not in sample)

CMSA/ MSA RANK CODE	PMSA RANK CODE	FIPS MSA/ PMSA CODE	MSA/PMSA TITLE
003	01	1600	Chicago, IL PMSA
179		1620	Chico, CA MSA
022	01	1640	Cincinnati, OH-KY-IN PMSA (Indiana portion not identified)
011	01	1680	Cleveland, OH PMSA
100		1720	Colorado Springs, CO MSA
246		1740	Colombia, MO MSA
080		1760	Columbia, SC MSA
130		1800	Columbus, GA-AL MSA (Alabama portion not in sample)
028	-	1840	Columbus, OH MSA
095		1880	Corpus Christi, TX MSA
010	01	1920	Dallas, TX PMSA
001	11	1930	Danbury, CT PMSR
088		1960	Davenport-Rock Island-Moline, IA-IL MSA
041		2000	Dayton-Springfield, OH MSA
112		2020	Daytona Beach, FL MSA
021	01	2080	Denver, CO PMSA
090		2120	Des Moines, IA MSA (Dallas county not in sample)
006	01	2160	Detroit, MI PMSA
125		2240	Duluth, MN-WI MSA (Wisconsin portion not identified)
070		2320	El Paso, TX MSA
116		2360	Erie, PA MSA
121		2400	Eugene-Springfield, OR MSA
118		2440	Evansville, IN-KY MSA (Kentucky portion not identified)
129		2560	Fayetteville, NC MSA
248		2580	Fayetteville-Springdale, AR MSA
077		2640	Flint, MI MSA
199		2650	Florence, AL MSA
233		2655	Florence, SC MSA
174		2670	Fort Collins-Loveland, CO MSA
012	02	2680	Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA
131		2700	Fort Myers, FL MSA
169		2720	Fort Smith, AR-OK MSA (Oklahoma portion not in sample)
222		2750	Fort Walton Beach, FL MSA
097		2760	Fort Wayne, IN MSA
010	02	2800	Fort Worth-Arlington, TX PMSA
065		2840	Fresno, CA MSA
247		2880	Gadsden, AL MSA
157		2900	Gainesville, FL MSA
008	02	2920	Galveston-Texas City, TX PMSA
003	02	2960	Gary-Hammond, IN PMSA
057		3000	Grand Rapids, MI MSA
045		3120	Greenboro-Winston Salem-High Point, NC MSA
061		3160	Greenville-Spartanburg, SC MSA
022	02	3200	Hamilton-Middletown, OH PMSA
064		3240	Harrisburg-Lebanon-Carlisle, PA MSA (Lebanon county not in sample)

CMSA/ MSA RANK CODE	PMSA RANK CODE	FIPS MSA/ PMSA CODE	MSA/PMSA TITLE
036	01	3280	Hartford, CT PMSA
145		3290	Hickory, NC MSA
047		3320	Honolulu, HI MSA
153		3350	Houma-Thibodaux, LA MSA
008	01	3360	Houston, TX PMSA
101		3400	Huntington-Ashland, WV-KY-OH MSA (Kentucky and Ohio portions not identified)
146		3440	Huntsville, AL MSA
032		3480	Indianapolis, IN MSA
185		3520	Jackson, MI MSA
092		3560	Jackson, MS MSA
050		3600	Jacksonville, FL MSA
001	07	3640	Jersey City, NJ PMSA
076		3660	Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia portion not identified)
124		3680	Johnstown, PA MSA
003	04	3690	Joliet, IL PMSA
207		3710	Joplin, MO MSA
142		3720	Kalamazoo, MI MSA
252		3740	Kankakee, IL MSA
025		3760	Kansas City, MO-KS MSA
140		3810	Killeen-Temple, TX MSA
062		3840	Knoxville, TN MSA
139		3880	Lafayette, LA MSA
163		3960	Lake Charles, LA MSA
003	03	3965	Lake County, IL PMSA
099		3980	Lakeland-Winter Haven, FL MSA
091		4000	Lancaster, PA MSA
083		4040	Lansing-East Lansing, MI MSA
060		4120	Las Vegas, NV MSA
007	02	4160	Lawrence-Haverhill, MA-NH PMSA (New Hampshire portion not identified)
219		4200	Lawton, OK MSA
104		4280	Lexington-Fayette, KY MSA
181		4320	Lima, OH MSA
151		4360	Lincoln, NE MSA
072		4400	Little Rock-North Little Rock, AR MSA
011	03	4440	Lorain-Elyria, OH PMSA
002	01	4480	Los Angeles-Long Beach, CA PMSA
040		4520	Louisville, KY-IN MSA
007	04	4560	Lowell, MA-NH PMSA (New Hampshire portion not identified)
138		4600	Lubbock, TX MSA
119		4680	Macon-Warner Robins, GA MSA
102		4720	Madison, WI MSA
203		4760	Manchester, NH MSA
209		4800	Mansfield, OH MSA
103		4880	McAllen-Edinburg-Mission, TX MSA
204		4890	Medford, OR MSA
110		4900	Melbourne-Titusville-Palm Bay, FL MSA
042		4920	Memphis, TN-AR-MS MSA (Arkansas and Mississippi portions not identified)
012	01	5000	Miami-Hialeah, FL PMSA

CMSA/ MSA RANK CODE	PMSA RANK CODE	FIPS MSA/ PMSA CODE	MSA/PMSA TITLE
001	05	5015	Middlesex-Somerset-Hunterdon, NJ PMSA
024	01	5080	Milwaukee, WI PMSA
017		5120	Minneapolis-St, Paul, MN-WI MSA (Wisconsin portion not identified)
074		5160	Mobile, AL MSA (Baldwin county not in sample)
113		5170	Modesto, CA MSA
001	06	5190	Monmouth-Ocean, NJ PMSA
106		5200	Monroe, LA MSA
115		5240	Montgomery, AL MSA
100		5320	Muskegon, MI MSA
044		5360	Nashville, TN MSA
001	02	5380	Nassau-Suffolk, NY PMSA
165		5400	New Bedford, MA MSA
036	02	5440	New Britain, CT PMSA
071		5480	New Haven-Meriden, CT MSA
126		5520	New London-Norwich, CT-RI MSA (Rhode Island portion suppressed)
027		5560	New Orleans, LA MSA
001	01	5600	New York, NY PMSA
001	03	5640	Newark, NJ PMSA
030	02	5700	Niagara Falls, NY PMSA
029		5720	Norfolk-Virginia Beach-Newport News, VA MSA
001	12	5760	Norwalk, CT PMSA
005	01	5775	Oakland, CA PMSA
184		5790	Ocala, FL MSA
039		5880	Oklahoma City, OK MSA
197		5910	Olympia, WA MSA
059		5920	Omaha, NE-IA MSA (Iowa potion not identified)
001	09	5950	Orange County, NY PMSA
048		5960	Orlando, FL MSA
002	04	6000	Oxnard-Ventura, CA PMSA
034	02	6060	Pawtucket-Woonsocket-Attleboro, RI-MA PMSA (Rhode Island Central City portion only identified)
100		6080	Pensacola, FL MSA
093		6120	Peoria, IL MSA
004	01	6160	Philadelphia, PA-NJ PMSA
023		6200	Phoenix, AZ MSA
013	01	6280	Pittsburgh, PA PMSA
150		6400	Portland, ME MSA
026	01	6440	Portland, OR PMSA
149		6450	Portsmouth-Dover-Rochester, NH-ME MSA (Maine portion not entirely in sample and it is not identified)
128		6460	Poughkeepsie, NY MSA
034	01	6480	Providence, RI PMSA
133		6520	Provo-Orem, UT MSA (Central City portion only identified)
216		6560	Pueblo, CO MSA
024	02	6600	Racine, WI PMSA

CMSA/ MSA RANK CODE	PMSA RANK CODE	FIPS MSA/ PMSA CODE	MSA/PMSA TITLE
060		6640	Raleigh-Durham, NC MSA
107		6680	Reading, PA MSA
144		6720	Reno, NV MSA (Central City portion only identified)
049		6760	Richmond-Petersburg, VA MSA (Dinwiddie and Prince George counties and Colonial Heights, Hopewell, and Petersburg cities not in sample)
002	03	6780	Riverside-San Bernardino, CA PMSA
137		6800	Roanoke, VA MSA
038		6840	Rochester, NY MSA
117		6880	Rockford, IL MSA
031		6920	Sacramento, CA MSA
082		6960	Saginaw-Bay City-Midland, MI MSA
014	01	7040	St. Louis, MO-IL PMSA (Illinois portion not identified)
127		7080	Salem, OR MSA
007	03	7090	Salem-Gloucester, MA PMSA
109		7120	Salinas-Seaside-Monterey, CA MSA
037		7160	Salt Lake City-Ogden, UT MSA
033		7240	San Antonio, TX MSA
019		7320	San Diego, CA MSA
005	02	7360	San Francisco, CA PMSA
005	03	7400	San Jose, CA PMSA
106		7480	Santa Barbara-Santa Maria-Lompoc, CA MSA
005	06	7485	Santa Cruz, CA PMSA
005	05	7500	Santa Rosa-Petaluma, CA PMSA
136		7510	Sarasota, FL MSA
135		7520	Savannah, GA MSA
051		7560	Scranton-Wilkes Barre, PA MSA (Monroe county not in sample)
018	01	7600	Seattle, WA PMSA
211		7610	Sharon, PA MSA
096		7680	Shreveport, LA MSA
226		7720	Sioux City, IA-NE MSA (Nebraska portion not in sample)
231		7760	Sioux Falls, SD MSA
132		7800	South Bend-Mishawaka, IN MSA
090		7840	Spokane, WA MSA
154		7880	Springfield, IL MSA
141		7920	Springfield, MO MSA
069		8000	Springfield, MA MSA
001	10	8040	Stamford, CT PMSA
089		8120	Stockton, CA MSA
054		8160	Syracuse, NY MSA
018	02	8200	Tacoma, WA PMSA
148		8240	Tallahassee, FL MSA
020		8280	Tampa-St, Petersburg-Clearwater, FL MSA
198		8320	Terre Haute, IN MSA
058		8400	Toledo, OH MSA

CMSA/ MSA RANK CODE	PMSA RANK CODE	FIPS MSA/ PMSA CODE	MSA/PMSA TITLE
170		8440	Topeka, KS MSA (Central City portion only identified)
004	03	8480	Trenton, NJ PMSA
063		8520	Tucson, AZ MSA
052		8560	Tulsa, OK MSA
192		8600	Tuscaloosa, AL MSA
105		8680	Utica-Rome, NY MSA
005	04	8720	Vallejo-Fairfield-Napa, CA PMSA
026	02	8725	Vancouver, WA PMSA
123		8780	Visalia-Tulare-Porterville, CA MSA
161		8800	Waco, TX MSA
009		8840	Washington, DC-MD-VA MSA
147		8880	Waterbury, CT MSA
173		8920	Waterloo-Cedar Falls, IA MSA
053		8960	West Palm Beach-Boca Raton-Delray Beach, FL MSA
158		9000	Wheeling, WV-OH MSA (Ohio portion not identified)
079		9040	Wichita, KS MSA
225		9140	Williamsport, PA MSA
004	02	9160	Wilmington, DE-NJ-MD PMSA (New Jersey portion not identified, Maryland portion suppressed.)
004		9240	Worcester, MA MSA
087		9280	York, PA MSA
067		9320	Youngstown-Warren, OH MSA
242		9340	Yuba City, CA MSA

List 5: CMSA CODES (HG-CMSA)

FIPS CODE (HG-CMSA)	CMSA TITLE
07	Boston–Lawrence–Salem, MA–NH
10	Buffalo–Niagara Falls, NY
14	Chicago–Gary–Lake County, IL–IN–WI (Wisconsin portion not in sample)
21	Cincinnati–Hamilton, OH–KY–IN (Indiana portion not identified)
28	Cleveland–Akron–Lorain, OH
31	Dallas–Fort Worth, TX
34	Denver–Boulder, CO
35	Detroit–Ann Arbor, MI
41	Hartford–New Britian–Middletown, CT
42	Houston–Galveston–Brazoria, TX
47	Kansas City, MO–KS
49	Los Angeles–Long Beach, CA
56	Miami–Fort Lauderdale, FL
63	Milwaukee–Racine, WI
70	New York–Northern New Jersey–Long Island, NY–NJ–CT
77	Philadelphia–Wilmington–Trenton, PA–NJ–DE–MD (Maryland portion suppressed)
78	Pittsburgh–Beaver Valley, PA
79	Portland–Vancouver, OR–WA
80	Providence–Pawtucket–Fall River, RI–MA
82	St Louis, MO-IL
84	San Francisco–Oakland–San Jose, CA
91	Seattle-Tacoma, WA

ATTACHMENT 14

Topcoding of Usual Hourly Earnings

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

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

ATTACHMENT 15

TALLIES OF UNWEIGHTED COUNTS

November 1994: Voting and Registration and Computer Usage

Item			Count
PRVEL	1	Eligible for voting and registration questions	90972
	2	In universe, but no data available	3425
	3	Not eligible for voting and registration questions	45787
PES3	1	Yes	47073
	2	No	41648
	-2	Don't Know	1678
	-3	Refused	488
	-9	No response (N/A)	3425
PES4	1	Yes	17526
	2	No	24148
	-2	Don't Know	1708
	-3	Refused	431
	-9	No response (N/A)	50498
PES5	1	Before noon	17966
	2	Noon to 4 p.m.	9325
	3	4 p.m. to 6 p.m.	8041
	4	After 6 p.m.	7508
	5	Voted absentee	3269
	-2	Don't Know	923
	-3	Refused	38
	-9	No response (N/A)	47324
PES6	1	Less than 1 month	1870
	2	1-6 months	9929
	3	7-11 months	4410
	4	1-2 years	14389
	5	3-4 years	13651
	6	5 years or longer	53245
	-2	Don't Know	236
	-3	Refused	192
	-9	No response (N/A)	3692
PES7	1	Self	55094
	2	Other	42823
	-9	No response (N/A)	3692
HESQ1	1	Yes	13309
	2	No	38647
	-2	Don't Know	111
	-3	Refused	1209
	-9	No response (N/A)	1231

Item				Count
HESQ2	1		Yes	5944
	2		No	7242
	-2		Don't Know	93
	-3		Refused	23
	-9		No response (N/A)	7
HESQ3	1		Yes	4105
	2		No	34239
	-2		Don't Know	272
	-3		Refused	29
	-9		No response (N/A)	2
HESQ4	1		Yes	2994
	2		No	8096
	-2		Don't Know	344
	-3		Refused	26
	-9		No response (N/A)	10
HESQ5A	1		Yes	402
	2		No	5485
	-2		Don't Know	29
	-3		Refused	24
	-9		No response (N/A)	4
HESQ5B	1		Yes	4881
	2		No	1011
	-2		Don't Know	24
	-3		Refused	24
	-9		No response (N/A)	4
HESQ5C	1		Yes	795
	2		No	5094
	-2		Don't Know	27
	-3		Refused	24
	-9		No response (N/A)	4
HESQ5D	1		Yes	1851
	2		No	4041
	-2		Don't Know	23
	-3		Refused	25
	-9		No response (N/A)	4
HESQ5E	1		Yes	892
	2		No	4999
	-2		Don't Know	24
	-3		Refused	24
	-9		No response (N/A)	5
HESQ5F	1		Yes	942
	2		No	4938
	-2		Don't Know	35
	-3		Refused	24
	-9		No response (N/A)	5

Item			Count
HESQ5G	1	Yes	570
	2	No	5319
	-2	Don't Know	26
	-3	Refused	24
	-9	No response (N/A)	5
HESQ5H	1	Yes	1578
	2	No	4311
	-2	Don't Know	26
	-3	Refused	24
	-9	No response (N/A)	5
HESQ7A	1	Yes	3184
	2	No	8070
	-2	Don't Know	129
	-3	Refused	56
	-9	No response (N/A)	31
HESQ7B	1	Yes	6969
	2	No	4301
	-2	Don't Know	113
	-3	Refused	54
	-9	No response (N/A)	3
HESQ7C	1	Yes	4809
	2	No	6472
	-2	Don't Know	100
	-3	Refused	55
	-9	No response (N/A)	34
HESQ7D	1	Yes	5180
	2	No	6095
	-2	Don't Know	103
	-3	Refused	57
	-9	No response (N/A)	35
HESQ7E	1	Yes	4723
	2	No	6553
	-2	Don't Know	100
	-3	Refused	58
	-9	No response (N/A)	36
HESQ7F	1	Yes	4713
	2	No	6533
	-2	Don't Know	130
	-3	Refused	58
	-9	No response (N/A)	36
HESQ7G	1	Yes	5108
	2	No	6131
	-2	Don't Know	136
	-3	Refused	59
	-9	No response (N/A)	36

Item			Count
HESQ7H	1	Yes	4760
	2	No	6517
	-2	Don't Know	98
	-3	Refused	59
	-9	No response (N/A)	36
HESQ9A	1	Yes	1569
	2	No	3898
	-2	Don't Know	43
	-3	Refused	26
	-9	No response (N/A)	6
HESQ9B	1	Yes	2589
	2	No	2275
	-2	Don't Know	35
	-3	Refused	27
	-9	No response (N/A)	7
HESQ9C	1	Yes	2164
	2	No	2920
	-2	Don't Know	31
	-3	Refused	27
	-9	No response (N/A)	7
HESQ9D	1	Yes	1625
	2	No	2407
	-2	Don't Know	24
	-3	Refused	30
	-9	No response (N/A)	7
HESQ9E	1	Yes	1842
	2	No	3142
	-2	Don't Know	30
	-3	Refused	31
	-9	No response (N/A)	7
HESQ9F	1	Yes	2228
	2	No	2700
	-2	Don't Know	37
	-3	Refused	30
	-9	No response (N/A)	7
HESQ9G	1	Yes	2101
	2	No	3196
	-2	Don't Know	39
	-3	Refused	31
	-9	No response (N/A)	7
HESQ9H	1	Yes	1540
	2	No	2761
	-2	Don't Know	27
	-3	Refused	31
	-9	No response (N/A)	7

Item				Count
HESQ10A	1	Yes		11316
	2	No		5800
	-2	Don't Know		162
	-3	Refused		93
	-9	No response (N/A)		43
HESQ10B	1	Yes		10802
	2	No		6292
	-2	Don't Know		182
	-3	Refused		95
	-9	No response (N/A)		43
HESQ10C	1	Yes		4955
	2	No		2197
	-2	Don't Know		43
	-3	Refused		40
	-9	No response (N/A)		39
HESQ11	1	Very concerned		9763
	2	Somewhat concerned		5217
	3	Not at all concerned		2209
	-2	Don't Know		106
	-3	Refused		74
	-9	No response (N/A)		45
HESQ12	1	Yes		47632
	2	No		1534
	3	No opinion		2578
	-2	Don't Know		72
	-3	Refused		90
	-9	No response (N/A)		50
HESQ13	1	Yes		12555
	2	No		1602
	-2	Don't Know		187
	-3	Refused		55
	-9	No response (N/A)		83

Item			Count
HESQ14A	1		1
	2		1341
	3		5473
	4		779
	5		186
	6		38
	7		10
	8		3
	9		9
	10		0
	11		1
	12		1
	13		0
	14		0
	15		0
	16		0
	-2	Don't Know	220
	-3	Refused	449
	-9	No response (N/A)	0
HESQ14B	1		0
	2		16
	3		987
	4		4350
	5		492
	6		115
	7		20
	8		8
	9		2
	10		4
	11		0
	12		1
	13		0
	14		0
	15		0
	16		0
	-2	Don't Know	0
	-3	Refused	0
	-9	No response (N/A)	0

Item			Count
HESQ14C	1		0
	2		0
	3		12
	4		234
	5		1109
	6		139
	7		32
	8		9
	9		0
	10		0
	11		2
	12		0
	13		0
	14		0
	15		0
	16		0
	-2	Don't Know	0
	-3	Refused	0
	-9	No response (N/A)	0
HESQ14D	1		0
	2		0
	3		2
	4		3
	5		43
	6		243
	7		37
	8		13
	9		0
	10		0
	11		0
	12		2
	13		0
	14		0
	15		0
	16		0
	-2	Don't Know	0
	-3	Refused	0
	-9	No response (N/A)	0

Item			Count
HESQ14E	1		0
	2		0
	3		0
	4		0
	5		4
	6		9
	7		48
	8		8
	9		3
	10		0
	11		0
	12		0
	13		1
	14		0
	15		0
	16		0
	-2	Don't Know	0
	-3	Refused	0
	-9	No response (N/A)	0
HESQ15	1	Yes	1734
	2	No	22
	-2	Don't Know	3
	-3	Refused	0
	-9	No response (N/A)	11
HESQ16	1	Yes	4928
	2	No	509
	-2	Don't Know	8
	-3	Refused	24
	-9	No response (N/A)	35

NATIVITY CODES

Current Population Survey

Items **PENATVTY**, **PEMNTVTY**, and **PEFNTVTY**, which deal with country of birth, all have the same answer categories. These items are located in positions 163-171 on the basic CPS record layout. The values for each 3-digit code are shown below.

057	United States	218	South Korea
072	Puerto Rico	221	Laos
096	Outlying Area of U.S.	231	Philippines
	(Guam, Virgin Islands, etc.)	238	Taiwan
109	France	239	Thailand
110	Germany	242	Vietnam
116	Greece	301	Canada
117	Hungary	312	El Salvador
119	Ireland/Eire	313	Guatemala
120	Italy	314	Honduras
128	Poland	315	Mexico
129	Portugal	316	Nicaragua
139	England	337	Cuba
140	Scotland	339	Dominican Republic
147	Yugoslavia	342	Haiti
192	Russia	343	Jamaica
206	Cambodia	351	Trinidad & Tobago
207	China	379	Colombia
209	Hong Kong	380	Ecuador
210	India	383	Guyana
212	Iran	385	Peru
215	Japan	555	Other

ATTACHMENT 17

ALLOCATION FLAGS

Current Population Survey

For every edited item, there is a corresponding allocation flag with the prefix "PX". The last six characters of the names are the same. For example, PXMLR is the allocation flag for PEMLR. All allocation flags have the following list of possible values.

00	VALUE - NO CHANGE
01	BLANK - NO CHANGE
02	DON'T KNOW - NO CHANGE
03	REFUSED - NO CHANGE
10	VALUE TO VALUE
11	BLANK TO VALUE
12	DON'T KNOW TO VALUE
13	REFUSED TO VALUE
20	VALUE TO LONGITUDINAL VALUE
21	BLANK TO LONGITUDINAL VALUE
22	DON'T KNOW TO LONGITUDINAL VALUE
23	REFUSED TO LONGITUDINAL VALUE
30	VALUE TO ALLOCATED VALUE LONG.
31	BLANK TO ALLOCATED VALUE LONG.
32	DON'T KNOW TO ALLOCATED VALUE LONG.
33	REFUSED TO ALLOCATED VALUE LONG.
40	VALUE TO ALLOCATED VALUE
41	BLANK TO ALLOCATED VALUE
42	DON'T KNOW TO ALLOCATED VALUE
43	REFUSED TO ALLOCATED VALUE
50	VALUE TO BLANK
52	DON'T KNOW TO BLANK
53	REFUSED TO BLANK

ATTACHMENT 18

SOURCE AND ACCURACY OF THE NOVEMBER 1994 DATA

SOURCE OF DATA

The data for this microdata file come from the November 1994 Current Population Survey (CPS). This month's survey uses two sets of questions, the basic CPS and the supplement. The Bureau of the Census conducts the basic CPS every month and asks supplementary questions during certain months.

Basic CPS. The basic CPS collects primarily labor force data about the civilian noninstitutional population. Interviewers ask questions concerning labor force participation about each member 15 years old and over in every sample household.

November 1994 supplement. In addition to the basic CPS questions, interviewers asked supplementary questions on computer literacy and voting and registration.

Sample Design. The present CPS sample was selected from the 1980 Decennial Census files with coverage in all 50 states and the District of Columbia. The sample is continually updated to account for new residential construction. The United States was divided into 1,973 geographic areas. In most states, a geographic area consisted of a county or several contiguous counties. In some areas of New England and Hawaii, minor civil divisions are used instead of counties. A total of 729 geographic areas were selected for sample. About 60,000 occupied households are eligible for interview every month. Interviewers are unable to obtain interviews at about 2,600 of these units. This occurs when the occupants are not found at home after repeated calls or are unavailable for some other reason.

Since the introduction of the CPS, the Bureau of the Census has redesigned the CPS sample several times. These redesigns have improved the quality and accuracy of the data and have satisfied changing data needs. A redesigned CPS sample based on the 1990 census is currently being phased-in. The phase-in procedure started in April 1994 and will be completed in July 1995. In July 1995, there will be 818 geographic areas in sample.

Estimation procedure. This survey's estimation procedure inflates weighted sample results to independent estimates of the civilian noninstitutional population of the United States by age, sex, race, Hispanic/non-Hispanic origin, and state of residence. This adjustment is called the post-stratification ratio estimate. The independent estimates are calculated based on information from four primary sources:

- The 1990 Decennial Census of Population and Housing.
- An adjustment for undercoverage in the 1990 census.
- Statistics on births, deaths, immigration, and emigration.
- Statistics on the size of the Armed Forces.

The independent population estimates include some, but not all, undocumented immigrants.

ACCURACY OF THE ESTIMATES

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

Nonsampling variability. There are several sources of nonsampling errors including the following:

- Inability to get information about all sample cases.
- Definitional difficulties.
- Differences in the interpretation of questions.
- Respondents' inability or unwillingness to provide correct information.
- Respondents' inability to recall information.
- Errors made in data collection such as recording and coding data.
- Errors made in processing the data.
- Errors made in estimating values for missing data.
- Failure to represent all units with the sample (undercoverage).

CPS undercoverage results from missed housing units and missed persons within sample households. Compared to the level of the 1990 Decennial Census, overall CPS undercoverage is about 8 percent. CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for Blacks and other races combined than for Whites. The post-stratification ratio estimate described previously partially corrects for bias due to undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics from those of interviewed persons in the same age-sex-race-origin-state group.

A common measure of survey coverage is the coverage ratio, the estimated population before the post-stratification ratio estimate divided by the independent population control. Table A shows CPS coverage ratios for age-sex-race groups for a typical month. The CPS coverage ratios can exhibit some variability from month to month. Other Census Bureau household surveys experience similar coverage.

Table A. CPS Coverage Ratios

Age	Non-Black M	Non-Black F	Black M	Black F	All Persons M	All Persons F	Total
0-14	0.929	0.964	0.850	0.838	0.916	0.943	0.929
15	0.933	0.895	0.763	0.824	0.905	0.883	0.895
16-19	0.881	0.891	0.711	0.802	0.855	0.877	0.866
20-29	0.847	0.897	0.660	0.811	0.823	0.884	0.854
30-39	0.904	0.931	0.680	0.845	0.877	0.920	0.899
40-49	0.928	0.966	0.816	0.911	0.917	0.959	0.938
50-59	0.953	0.974	0.896	0.927	0.948	0.969	0.959
60-64	0.961	0.941	0.954	0.953	0.960	0.942	0.950
65-69	0.919	0.972	0.982	0.984	0.924	0.973	0.951
70+	0.993	1.004	0.996	0.979	0.993	1.002	0.998
15+	0.914	0.945	0.767	0.874	0.898	0.927	0.918
0+	0.918	0.949	0.793	0.864	0.902	0.931	0.921

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.

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

A number of changes were made in data collection and estimation procedures beginning with the January 1994 CPS. The major change was the use of a new questionnaire. The questionnaire was redesigned to measure the official labor force concepts more precisely, to expand the amount of data available, to implement several definitional changes, and to adapt to a computer-assisted interviewing environment. The supplemental questions were also modified for adaptation to computer-assisted interviewing, although there were no changes in definitions and concepts. Due to these and other changes, one should use caution when comparing estimates from data collected in 1994 with estimates from earlier years.

Caution should also be used when comparing estimates obtained from this microdata file (which reflects 1990 census-based population controls) with estimates for 1993 and earlier years (which reflect 1980 census-based population controls). This change in population controls had relatively little impact on summary measures such as means, medians, and percentage distributions. It did have a significant impact on levels. For example, use of 1990 based population controls results in about a 1-percent increase in the civilian noninstitutional

population and in the number of families and households. Thus, estimates of levels for data collected in 1994 and later years will differ from those for earlier years by more than what could be attributed to actual changes in the population. These differences could be disproportionately greater for certain subpopulation groups than for the total population.

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

For more information on the introduction of the new questionnaire, the modernized data collection methods, and the introduction of new population controls based on the 1990 census, see "Revisions in the Current Population Survey Effective January 1994" in the February 1994 issue of *Employment and Earnings* published by the Bureau of Labor Statistics.

Note when using small estimates. Because of the large standard errors involved, summary measures (such as medians and percent distributions) probably do not reveal useful information when computed on a base smaller than 75,000. Take care in the interpretation of small differences. For instance, even a small amount of nonsampling error can cause a borderline difference to appear significant or not, thus distorting a seemingly valid hypothesis test.

Sampling variability. Sampling variability is variation that occurred by chance because a sample was surveyed rather than the entire population. Standard errors, as calculated below, are primarily measures of sampling variability, but they may include some nonsampling error.

Standard errors and their use. A number of approximations are required to derive, at a moderate cost, standard errors applicable to estimates from this microdata file. Instead of providing an individual standard error for each estimate, two parameters, a and b, are provided to calculate standard errors for each type of characteristic. These parameters are in Tables B through J.

The sample estimate and its standard error enable one to construct a confidence interval. A confidence interval is a range that would include the average result of all possible samples with a known probability. For example, if all possible samples were surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then approximately 90 percent of the intervals from 1.645 standard errors below the estimate to 1.645 standard errors above the estimate would include the average result of all possible samples.

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

Standard errors may also be used to perform hypothesis testing. This is a procedure for distinguishing between population parameters using sample estimates. One common type of hypothesis is that two population parameters are different. An example of this would be comparing the number of men who were part-time workers with the number of women who were part-time workers.

Tests may be performed at various levels of significance. A significance level is the probability of concluding that the characteristics are different when, in fact, they are the same. To conclude that two parameters are different at the 0.10 level of significance, for example, the absolute value of the estimated difference between characteristics must be greater than or equal to 1.645 times the standard error of the difference.

The Census Bureau uses 90-percent confidence intervals and 0.10 levels of significance to determine statistical validity. Consult standard statistical textbooks for alternative criteria.

For information on calculating standard errors for labor force data from the CPS which involve quarterly or yearly averages, changes in consecutive quarterly or yearly averages, consecutive month-to-month changes in estimates, and consecutive year-to-year changes in monthly estimates; see "Explanatory Notes and Estimates of Error: Household Data" in the corresponding *Employment and Earnings* published by the Bureau of Labor Statistics.

Standard errors of estimated numbers. The approximate standard error, s_x, of an estimated number from this microdata file can be obtained using this formula:

$$s_x = \sqrt{ax^2 + bx} \tag{1}$$

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

Illustration

Suppose there were 6,000,000 unemployed men in the civilian labor force. Use the appropriate parameters from Table B and formula (1) to get

Number, x	6,000,000
a parameter	-0.000016
b parameter	2,465
Standard error	119,000
90% conf. int.	5,804,000 to 6,196,000

The standard error is calculated as

$$s_x = \sqrt{-0.000016 \times 6,000,000^2 + 2,465 \times 6,000,000} = 119,000$$

The 90-percent confidence interval is calculated as $6,000,000 \pm 1.645 \times 119,000$.

A conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples.

Standard errors of estimated percentages. The reliability of an estimated percentage, computed using sample data from both numerator and denominator, depends on both the size of the percentage and its base. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more. When the numerator and denominator of the percentage are in different categories, use the parameter from one of the parameter tables (Tables B through J) indicated by the numerator.

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

$$s_{x,p} = \sqrt{(b/x)p(100 - p)} \tag{2}$$

Here x is the total number of persons, families, households, or unrelated individuals in the base of the percentage, p is the percentage ($0 \le p \le 100$), and b is the parameter from the parameter table associated with the characteristic in the numerator of the percentage.

Illustration - Computer Literacy

Suppose that of approximately 99,846,000 households, 25.5 percent had a computer in the household. Use the appropriate parameter from Table C and formula (2) to get

Percentage, p	25.5
Base, x	99,846,000
b parameter	1,909
Standard error	0.2
90% conf. int.	25.2 to 25.8

The standard error is calculated as

$$s_{x,p} = \sqrt{(1,909/99,846,000) \times 25.5 \times (100 - 25.5)} = 0.2$$

The 90-percent confidence interval of the percentage of households with computers is calculated as $25.5 \pm 1.645 \times 0.2$.

Illustration - Voting and Registration

Suppose that of 15,391,000 people with an elementary school education, 35.1 percent reported voting. Use the appropriate parameter from Table D and formula (2) to get

Percentage, p	35.1
Base, x	15,391,000
b parameter	3,027
Standard error	0.7
90% conf. int.	33.9 to 36.3

The standard error is calculated as

$$s_{x,p} = \sqrt{(3{,}027/15{,}391{,}000) \times 35.1 \times (100 - 35.1)} = 0.7$$

the 90-percent confidence interval of the percentage of people with an elementary school education who reported voting is calculated as $35.1 \pm 1.645 \times 0.7$.

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

$$s_{x-y} = \sqrt{s_x^2 + s_y^2} \tag{3}$$

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

Illustration

Suppose that of 6,285,000 employed men between 20-24 years of age, 1,516,000 or 24.1 percent were part-time workers, and of the 5,824,000 employed women between 20-24 years of age, 2,169,000 or 37.2 percent were part-time workers. Use the appropriate parameters from Table B and formulas (2) and (3) to get

	x	y	difference
Percentage, p	24.1	37.2	13.1
Number, x	6,285,000	5,824,000	-
b parameter	2,301	2,112	-
Standard error	0.8	0.9	1.2
90% conf. int.	22.8 to 25.4	35.7 to 38.7	11.1 to 15.1

The standard error of the difference is calculated as

$$s_{x-y} = \sqrt{0.8^2 + 0.9^2} = 1.2$$

The 90-percent confidence interval around the difference is calculated as $13.1 \pm 1.645 \times 1.2$. Since this interval does not include zero, we can conclude with 90 percent confidence that the percentage of part-time women workers between 20-24 years of age is greater than the percentage of part-time men workers between 20-24 years of age.

Table B. Parameters for Computation of Standard Errors for Labor Force Characteristics November 1994

Characteristic	a	b
Labor Force and Not In Labor Force Data Other than Agricultural Employment and Unemployment		
Total [1]	-0.000016	2,488
Men [1]	-0.000029	2,301
Women	-0.000026	2,112
Both sexes, 16 to 19 years	-0.000150	2,040
White [1]	-0.000017	2,488
Men	-0.000032	2,301
Women	-0.000029	2,112
Both sexes, 16 to 19 years	-0.000178	2,040
Black	-0.000113	2,613
Men	-0.000274	2,458
Women	-0.000164	2,182
Both sexes, 16 to 19 years	-0.001145	2,391
Hispanic origin	-0.000200	2,946
Not In Labor Force (use only for Total, Total Men, and White)	+0.000005	691
Agricultural Employment		
Total or White	+0.000686	2,541
Men	+0.000755	2,351
Women or Both sexes, 16 to 19 years	-0.000022	2,155
Black	-0.000122	2,626
Hispanic origin		
Total or Women	+0.011486	2,189
Men or Both sexes, 16 to 19 years	+0.015153	1,269
Unemployment		
Total or White	-0.000016	2,465
Black	-0.000191	2,622
Hispanic origin	-0.000099	2,705

[1] For not in labor force characteristics, use the Not In Labor Force parameters.

Table C. Parameters for Computation of Standard Errors for Computer Literacy Estimates
November 1994

Characteristic	Total or White		Black		Hispanic		API	
	a	b	a	b	a	b	a	b
PERSONS								
Educational Attainment	-0.000013	2,545	-0.000160	3,448	-0.000377	6.399	-0.000478	3,758
Persons by Family Income	-0.000024	4,531	-0.000240	5,188	-0.000568	9,630	-0.000719	5,655
Income	-0.000012	2,266	-0.000120	2,594	-0.000168	2,857	-0.000360	2,827
Marital Status, Household & Family Characteristics	-0.000025	4,811	-0.000320	6,910	-0.000756	12,826	-0.000958	7,533
Poverty	-0.000051	9,551	-0.000443	9,564	-0.000624	10,534	-0.001326	10,425
FAMILIES, HOUSEHOLDS, OR UNRELATED INDIVIDUALS								
Income	-0.000011	2,069	-0.000105	2,258	-0.000147	2,487	-0.000313	2,461
Marital Status, Household & Family, Educational Attainment, Population by Age or Sex	-0.000010	1,909	-0.000080	1,727	-0.000189	3,206	-0.000239	1,883
Poverty	0.000012	2,255	0.000105	2,258	-0.000147	2,487	-0.000313	2,461

Table D. Parameters for Computation of Standard Errors for Voting and Registration in November 1994: Total or White Persons

Characteristic	a	b
Voting, registration, reasons for not voting or registering (includes breakdowns by: Citizenship, Household relationship, Family heads by presence of children, Marital status, Duration of residence, Tenure, Education level, Family income of persons, Occupation group)	-0.000016	3,027
Characteristics of all persons, Voting and nonvoting:		
Marital status	-0.000025	4,811
Education of persons	-0.000013	2,545
Education of family head	-0.000010	1,909
Persons by family income	-0.000024	4,531
Duration of residence tenure	-0.000025	4,811
Household relationships, Voting and nonvoting:		
Head, spouse of head	-0.000010	1,909
Nonrelative or other relative of head	-0.000025	4,811

Table E. Parameters for Computation of Standard Errors for Voting and Registration in November 1994: Black Persons

Characteristic	a	b
Voting, registration, reasons for not voting or registering (includes breakdowns by: Citizenship, Household relationship, Family heads by presence of children, Marital status, Duration of residence, Tenure, Education level, Family income of persons, Occupation group)	-0.000205	4,437
Characteristics of all persons, Voting and nonvoting:		
Marital status	-0.000320	6,910
Education of persons	-0.000160	3,448
Education of family head	-0.000080	1,727
Persons by family income	-0.000240	5,188
Duration of residence tenure	-0.000320	6,910
Household relationships, Voting and nonvoting:		
Head, spouse of head	-0.000080	1,727
Nonrelative or other relative of head	-0.000320	6,910

Table F. Parameters for Computation of Standard Errors for Voting and Registration in November 1994:   Hispanic Persons

Characteristic	a	b
Voting, registration, reasons for not voting or registering (includes breakdowns by: Citizenship, Household relationship, Family heads by presence of children, Marital status, Duration of residence, Tenure, Education level, Family income of persons, Occupation group)	-0.000486	8,235
Characteristics of all persons, Voting and nonvoting:		
Marital status	-0.000756	12,826
Education of persons	-0.000377	6,399
Education of family head	-0.000189	3,206
Persons by family income	-0.000568	9,630
Duration of residence tenure	-0.000756	12,826
Household relationships, Voting and nonvoting:		
Head, spouse of head	-0.000189	3,206
Nonrelative or other relative of head	-0.000756	12,826

Table G. Parameters for Computation of Standard Errors for Voting and Registration in November 1994:   Asians or Pacific Islanders

Characteristic	a	b
Voting, registration, reasons for not voting or registering (includes breakdowns by: Citizenship, Household relationship, Family heads by presence of children, Marital status, Duration of residence, Tenure, Education level, Family income of persons, Occupation group)	-0.000615	4,837
Characteristics of all persons, Voting and nonvoting:		
Marital status	-0.000958	7,533
Education of persons	-0.000478	3,758
Education of family head	-0.000239	1,883
Persons by family income	-0.000719	5,655
Duration of residence tenure	-0.000958	7,533
Household relationships, Voting and nonvoting:		
Head, spouse of head	-0.000239	1,883
Nonrelative or other relative of head	-0.000958	7,533

Table H. State Voting and Registration Parameters

State	a	b
Alabama	-0.001083	3,481
Alaska	-0.000963	394
Arizona	-0.001069	3,209
Arkansas	-0.001077	1,998
California	-0.000162	3,784
Colorado	-0.001176	3,209
Connecticut	-0.001431	3,632
Delaware	-0.001296	696
Dist. of Col.	-0.001530	696
Florida	-0.000253	2,724
Georgia	-0.001028	5,388
Hawaii	-0.001230	1,059
Idaho	-0.000968	787
Illinois	-0.000318	2,815
Indiana	-0.001184	5,146
Iowa	-0.001084	2,301
Kansas	-0.001071	1,998
Kentucky	-0.001107	3,209
Louisiana	-0.001240	3,905
Maine	-0.001176	1,120
Maryland	-0.001206	4,601
Massachusetts	-0.000318	1,483
Michigan	-0.000309	2,210
Minnesota	-0.001177	3,965
Mississippi	-0.001021	1,998
Missouri	-0.001205	4,752
Montana	-0.001049	666
Nebraska	-0.001044	1,241
Nevada	-0.001004	1,090
New Hampshire	-0.001438	1,241
New Jersey	-0.000301	1,846
New Mexico	-0.001034	1,241
New York	-0.000172	2,422
North Carolina	-0.000278	1,483

Table H. State Voting and Registration Parameters (cont'd)

State	a	b
North Dakota	-0.001043	484
Ohio	-0.000298	2,512
Oklahoma	-0.001104	2,664
Oregon	-0.001222	2,876
Pennsylvania	-0.000293	2,724
Rhode Island	-0.001393	1,059
South Carolina	-0.000890	2,452
South Dakota	-0.000940	484
Tennessee	-0.000980	3,875
Texas	-0.000284	3,814
Utah	-0.001082	1,392
Vermont	-0.001369	605
Virginia	-0.000858	4,208
Washington	-0.001041	4,147
West Virginia	-0.001094	1,574
Wisconsin	-0.000982	3,723
Wyoming	-0.001575	545

Table I. Census Division Voting and Registration Parameters

Division	a	b
New England	-0.000187	1,907
Middle Atlantic	-0.000081	2,391
East North Central	-0.000093	3,027
West North Central	-0.000234	3,148
South Atlantic	-0.000091	3,209
East South Central	-0.000274	3,299
West South Central	-0.000168	3,511
Mountain	-0.000196	2,179
Pacific	-0.000117	3,632

Table J. Census Region Voting and Registration Parameters

Region	a	b
Northeast	-0.000056	2,240
Midwest	-0.000064	2,966
South	-0.000046	3,148
West	-0.000076	3,209
All Except South	-0.000022	2,808

ATTACHMENT 19

USER NOTES

This section will contain information relevant to the Current Population Survey, November 1994: Voting and Registration and Computer Usage file that becomes available after the file is released. The cover letter to the updated information should be filed behind this page.

User notes will be sent to all users who purchased their file or technical documentation from the Census Bureau.

UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, DC 20233-0001

CURRENT POPULATION SURVEY, NOVEMBER 1994
VOTING AND REGISTRATION AND COMPUTER USAGE

USER NOTE 1

(April 1994 - August 1995)

ESTIMATES FOR METROPOLITAN AND NONMETROPOLITAN AREAS

During the period April 1994 through June 1995, the Bureau of the Census is systematically introducing a new sample design for the Current Population Survey (CPS) based on the results of the 1990 Decennial Census. During this phase-in period, CPS estimates are being made from two distinct sample designs; i.e., the old 1980 sample design and the new 1990 sample design. While most CPS estimates are thought to be minimally affected by this mixed sample, metropolitan/nonmetropolitan estimates and related CPS geographic estimates are subject to greater error and variability. The causes of these errors are differences in the metropolitan area definitions used in each design, differences in coverage, errors in geographic recoding, and changes in CPS sample areas (including redefining sample areas to correspond to the updated metropolitan definitions.)

Using the results from each Decennial Census, the Office of Management and Budget (OMB) revises its official definitions for metropolitan areas. This usually involves adding counties or groups of counties to existing metropolitan areas or designating new metropolitan areas based on certain criteria. As a result, each new CPS sample design represents a larger metropolitan population than its predecessor. The 1980 sample design is based on projected metropolitan area definitions as of June 30, 1983; the 1990 design uses anticipated definitions as of June 30, 1993. During this period, the total number of metropolitan areas increased from 318 to 323. This situation is exacerbated since 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. For CPS microdata files containing data collected during the period April 1994 through May 1995, the 1990 design sample was recoded to reflect 1983 metropolitan area definitions. Despite efforts to make the data from the two sample designs consistent, the net result of the different metropolitan definitions in combination with the other changes mentioned above is increased error in metropolitan, nonmetropolitan and related estimates during this phase-in period. As an example, estimates from the January 1995 CPS show an increase of only 1 percent in total civilian noninstitutional population aged 16 and over for metropolitan areas between the 1980 and 1990 designs, but the estimated central city population for the 1990 design is 6 percent higher for the 1990 design. Therefore, the Bureau recommends that users exercise extreme caution when analyzing any tabulations or comparisons using these or related variables during this period.

Another constraint on the use of geographic data from this time period is that not all geographic codes on the CPS file were recoded to reflect both the 1980 and 1990 metropolitan definitions. Given below are two lists of variables on the Pre-April 1994 public use files. The first list shows which variables were recoded and are on the files. The second lists contains the variables that have been removed from the files.

Variable	April 94-May 95 Non-March Files Location	March 1995 Location

RECODED VARIABLES

MSA/PMSA FIPS CODE	CHARACTERS 97-100	CHARACTERS 44-47
MSA STATUS CODE	CHARACTERS 112-113	CHARACTER 57
CENTRAL CITY STATUS CODE	CHARACTERS 108-109	CHARACTER 58
INDIVIDUAL CENTRAL CITY CODE	CHARACTERS 110-111	CHARACTER 285

VARIABLES DELETED

STATE RANK	CHARACTERS 95-96	CHARACTERS 42-43
PMSA RANK	N/A	CHARACTERS 48-49
MSA/CMSA RANK	CHARACTERS 101-103	CHARACTERS 50-52
MSA SIZE	CHARACTERS 104-105	CHARACTER 55
CMSA FIPS CODE	CHARACTERS 106-107	CHARACTERS 53-54
MSA/PMSA SIZE	N/A	CHARACTER 56

With the exception of the metropolitan size classifier, all previous breakouts of specific metropolitan tallies can be produced with the data appearing on the April 1994-May 1995 files.

MATCHING OF HOUSEHOLDS DURING THIS REDESIGN PERIOD

As was the case with previous redesigns of CPS, we will be revising the geographic identifiers on the CPS public use files to incorporate the new sample and utilize the updated (June 30, 1993) metropolitan area definitions. We plan to introduce these new definitions on the September 1995 public use file. During this changeover, however, we must take steps to prevent the matching of households containing different sets of detailed geography. We do this in accordance with Title 13, United State Code, to protect the confidentiality of our respondents. Specifically, we will revise our household identification numbering scheme to preclude matching across time frames with different sets of geographic variables.

This changeover, along with revisions to the internal census household numbering scheme, have revised the methodology for some matching of households across CPS public use files. In general, this follows the pattern of ten years ago in that data for the three separate time frames are only matchable (within the constraints of the CPS rotation pattern) to itself. These time frames are:

1. Data collected in or prior to May 1995.

2. Data collected in June, July, or August of 1995.

3. Data collected in or after September 1995.

Given below are procedures for matching households using data collected in 1994 or 1995:

1993 to 1994:

Continue using the 12-digit household identification number as before.

January 1994 through May 1995:*

'Use either the FIPS or Census State Code in combination with the 12-digit household ID number and the serial suffix.

June 1995 through August 1995:*

Use the household ID number in combination with state and serial suffix for household matching. Also note that during this three month period, there will be no substate geographic identifiers carried on the CPS public use files.

September 1995 Files Forward:

Use the household ID number to match households.

If you have any questions regarding the changeover to the new geographic identifiers and matching of households, call Greg Weyland on (301) 457-3806. See the May 1994 issue of the Bureau of Labor Statistics' issue of Employment and Earnings or call Donna Kostanich on (301) 457-4275 for further information regarding CPS sample redesign.

*You will also need the use of these three fields if you want to place the file in a household sort or group household records together.

May 1996

CURRENT POPULATION SURVEY, NOVEMBER 1994:
VOTING AND REGISTRATION AND COMPUTER USAGE

USER NOTE 2

CPS files for June 1994-March 1995 are being reissued to correct two problems. All purchasers of previously issued files will get free replacements. New purchasers will get corrected files. The following statements explain the problems.

METROPOLITAN AND NONMETROPOLITAN AREAS

The substate geography, metropolitan/nonmetropolitan status and specific metropolitan identifiers, was incorrect in the New England States and Hawaii. This affected the following files:

> June 1994
> September 1994
> October 1994
> November 1994
> February 1995
> March 1995

CITIZENSHIP

The citizenship recode (PRCITSHP) was in error for some individuals with an entry of either 4 or 5 (naturalized citizen or not a citizen). This affected the following files:

> October 1994
> November 1994
> February 1995
> March 1995

August 1996