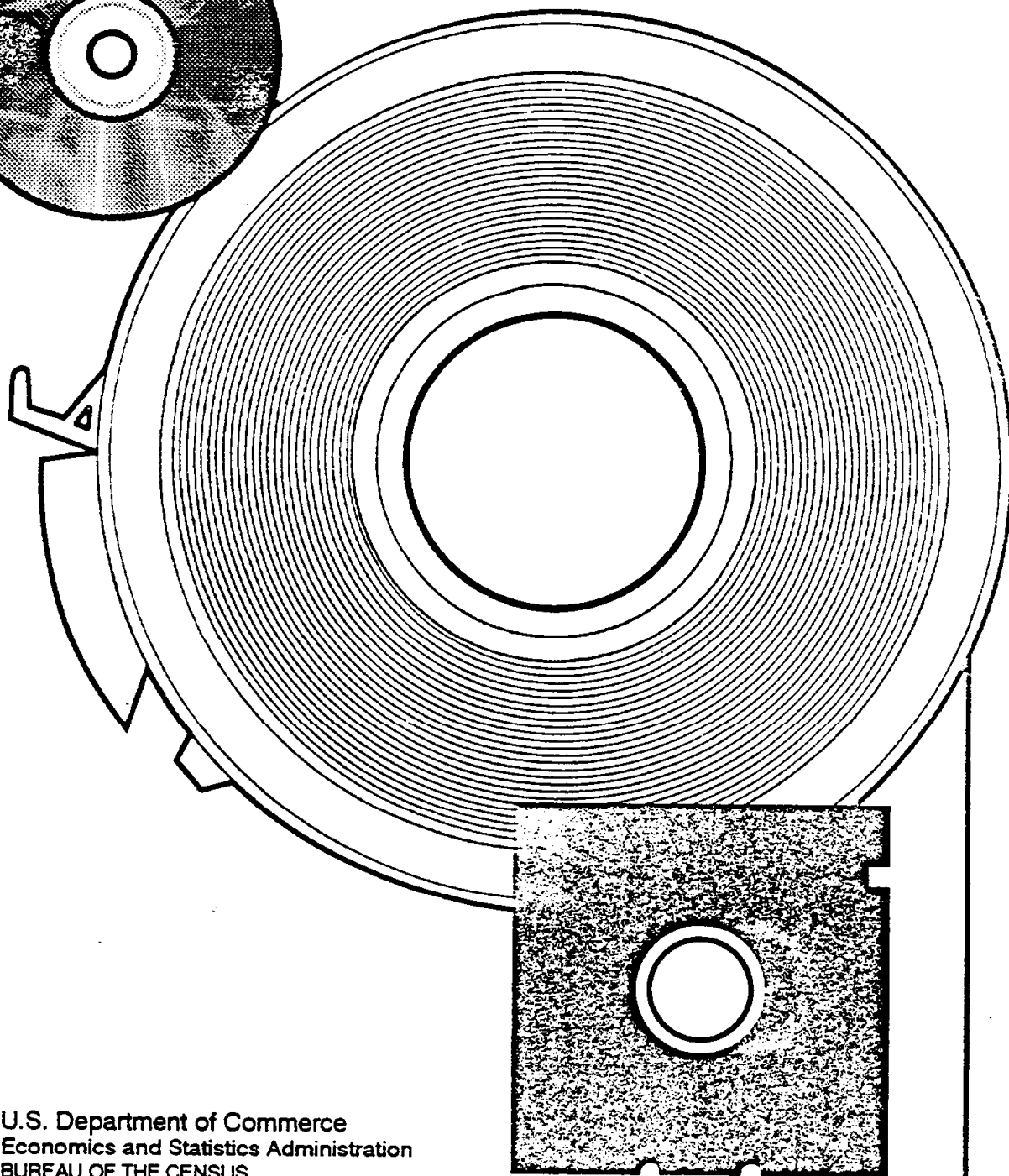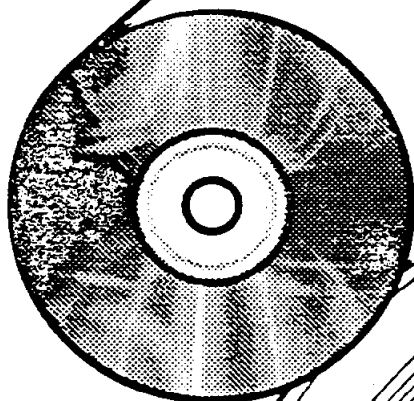**Survey of Income and Program
Participation (SIPP)
1991 Panel
Wave 4 Topical Module Microdata File**

TECHNICAL DOCUMENTATION
SIPP-91-4T

U.S. Department of Commerce
Economics and Statistics Administration
BUREAU OF THE CENSUS

TECHNICAL DOCUMENTATION

SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)

1991 PANEL

WAVE 4 TOPICAL MODULE MICRODATA FILE

Technical Documentation

Washington, D.C.

1993

U.S. DEPARTMENT OF COMMERCE

Ronald H. Brown, Secretary

John Rollwagen, Deputy Secretary

Economic and Statistics Administration
Jeffrey L. Mayer, Acting Under Secretary
for Economic Affairs

Bureau Of The Census
Dr. Harry A. Scarr, Acting Director

BUREAU OF THE CENSUS

Dr. Harry A. Scarr, Acting Director

DATA USER SERVICES DIVISION

Marshall L. Turner, Jr., Chief
Marie G. Argana, Assistant Chief
for User Services

ACKNOWLEDGMENTS

* *

The file should be cited as follows:

Survey of Income and Program Participation (SIPP) 1991 Panel, Wave 4 Topical Module Microdata File [machine-readable data file] / prepared by the Bureau of the Census. --Washington: The Bureau [producer and distributor], 1993.

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* *

For additional information concerning the file, contact Data User Services Division, Customer Services (Order Desk), Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-4100.

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SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)
1991 PANEL
WAVE 4 TOPICAL MODULE MICRODATA FILE

ABSTRACT

Survey of Income and Program Participation (SIPP) 1991 Panel, Wave 4 Topical Module Microdata File [machine-readable data file] / conducted by the U.S. Bureau of the Census. –Washington: The Bureau [producer and distributor], 1993.

Type of File:

Microdata; unit of observation is an individual.

Universe Description:

The universe is the resident population of the United States, excluding persons living in institutions and military barracks.

Subject-Matter Description:

The file contains data primarily from the topical module portion of the questionnaire. However, for purposes of matching persons to the core file, which was released separately, the beginning of the file contains identifying information as well as some basic demographic and social characteristics that are also contained in the core file. The identifying information includes sample unit, household address, and entry address identification. Demographic and social characteristics include age, sex, race (White; Black; American Indian, Eskimo, and Aleut; Asian or Pacific Islander; and Other), ethnic origin (23 categories including 7 Spanish origin categories), marital status, and education. Data in this topical module file include selected financial assets, medical expenses and work disability, and real estate, shelter costs, dependent care, and vehicles.

The sample consists of 4 rotation groups, each interviewed in a different month from February 1992 to May 1992. For each group the reference period for reporting labor force activity and income is the four calendar months preceding the interview month.

SIPP is a longitudinal survey where each sampled household and each descendent household is reinterviewed at 4-month intervals for 8 interviews or "waves." This file contains the results of the fourth interview. Unique codes are included on each record to allow linking together the same persons from the preceding and subsequent waves.

Geographic Coverage:

United States. Codes are included for 41 individual States and the District of Columbia, **although the sample was not designed to produce State estimates**. Areas in the SIPP sample in nine other States are identified in groups for confidentiality reasons. The file identifies a subsample of metropolitan residents, along with codes for selected metropolitan statistical areas (MSA's) and consolidated metropolitan statistical areas (CMSA's).

Technical Description:

File Structure: Rectangular. Each logical record for a sampled person includes information on the household and family of which the person was a part during each month of the reference period, as well as characteristics of the person.

File Size: 37,844 logical records; 592 character logical record length.

File Sort Sequence of Sample Units: Sampling unit identification number by entry address ID and person number within sampling unit.

Reference Materials:

Survey of Income and Program Participation (SIPP) 1991 Panel, Wave 4 Topical Module Microdata File Technical Documentation. The documentation includes this abstract, the data dictionary, an index to the data dictionary, relevant code lists, a questionnaire facsimile, and general information relative to SIPP. One copy of the technical documentation accompanies each file order but also may be purchased separately for $25 from Data User Services Division, Customer Services, Bureau of the Census,Washington, D.C. 20233.

Interviewers' Manual (1985). Survey of Income and Program Participation. U.S. Department of Commerce, Bureau of the Census. The manual is available for $10 from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233.

Survey of Income and Program Participation Users' Guide. The Users' Guide contains a general overview of the file as well as chapters on survey design and content, structure and use of cross-sectional files, linking waves and reliability of the data. A single copy accompanies each technical documentation or tape order. Additional copies are available for $15 each from Customer Services, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

Related Printed Reports:

Related printed reports include working papers, compilations of papers presented at annual meetings of the American Statistical Association, articles appearing in the *Journal of Economic and Social Measurement*, and reports in the P-70 series of the Current Population Reports. See the *Users' Guide* that accompanies the documentation for ordering information.

Related Machine-Readable Data Files:

SIPP files from all Waves of the 1984 through 1988 Panels as well as Waves 1 through 7 of the 1990 Panel and 1991 Waves 1 through 4 are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. An order form is on the following page for your convenience.

File Availability:

The price of this file is $175, at 6250 bpi; ASCII or EBCDIC, labeled or unlabeled. The files are also available on tape cartridges (IBM 3480 compatible) for the same price. A machine-readable dictionary is contained at the end of the file. This dictionary is also available separately on one tape reel for $175. When ordering, please use the order form on the following page.

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FILE INFORMATION

Matching Topical Module File with Core File

Since the core and topical module data are released as separate files it may be necessary to match the two files. The two files contain the following information for linking purposes.

Variable	Brief Description
ID	Sample Unit ID (scrambled)
ADDID	Household address ID
ITEM36B	Interview status code
INTVW	Person's interview status
PP-MIS*	Person's monthly interview status
ENTRY	Edited entry address ID
PNUM	Edited person number
FINALWGT	Weighting factor
RRP	Edited relationship to reference person
AGE	Edited and imputed age as of last birthday
SEX	Sex of person
PNSP	Person number of spouse
PNPT	Person number of parent
HIGRADE	Highest grade of year of school attended
GRD-COMPL	Highest grade completed
ETHNICTY	Ethnic origin

In order to confirm that the appropriate number of matches occur when merging data from core and topical module files, fields PP-MIS(1) through PP-MIS(4) for the four reference months and PP-MIS(5) for the interview month have been added. PP-MIS defines the monthly person interview status with 1 signifying an interview and 2 signifying a noninterview. Matching topical module records to month four on the person-month file should result in a match of all topical module records where PP-MIS(4) is equal to one. Although any reference month can be used for matching, month four is used because it is the closest month to the interview month available on the person-month files.

Geographic Coverage

State codes are shown except for nine States which are identified in three groups. A subsample of metropolitan residents is identified along with codes for selected metropolitan statistical areas (MSA's) and consolidated metropolitan statistical areas (CMSA's). **The sample was not designed to produce State or MSA/CMSA level estimates.** State codes are primarily useful in relating a respondent's recipiency of benefits to thresholds which may vary from State to State. MSA/CMSA codes may be used in relating respondent characteristics with contextual variables.

Identification Number System

The SIPP identification scheme is designed to uniquely identify individuals in each wave, provide a means of linking the same individuals over time, and group individuals into households and families over time.

The various components of the identification scheme are listed below:

    Sample Unit Identification Number
    Address ID
    Entry Address ID
    Person Number

The sample unit identification number was created by scrambling together the PSU, segment, and serial numbers used for Census Bureau administrative purposes. This identifier is constructed the same way on each wave regardless of moves, to enable matching from wave to wave.

The two-digit address ID code identifies each household associated with the same sample unit identification number. The first digit of the address ID code indicates the wave in which that address was first assigned for interview. The second digit sequentially numbers multiple households that have the same serial number. The address ID code is 11 for all sample addresses that are the same as in Wave 1. As SIPP sample persons move to new addresses, new address ID codes are assigned. Any new address to which sample unit members moved during Wave 4 is numbered in the 40's.

The person ID is a five-digit number consisting of the two-digit entry address ID and a three-digit person number. Person numbers 101, 102, etc., are assigned in Wave 1; 201, 202, etc., are assigned to persons added to the roster in Wave 2, and so forth. This five-digit number is not changed or updated, regardless of moves.

The sampling unit serial number and address ID code uniquely identifies each household in any given wave. The sampling unit serial number can link all households in subsequent waves back to the original Wave 1 household.

Topcoding of Income Variables

To protect against the possibility that a user might recognize the identity of a SIPP respondent with very high income, income from every source is "topcoded" so that no individual income amounts above $100,000 are revealed. While the data dictionary indicates a topcode of $33,332 for monthly income, this topcode will rarely be used. In most cases the monthly income is shown as an individual dollar amount of $8,333, with $8,333 actually representing "$8,333 or more." (the $100,000 annual income topcode is $8,333 multiplied by 12 months). Individual monthly amounts above $8333 may occasionally be shown if the respondent's income varied considerably from month to month, as long as the average does not exceed $8,333. For example, if a respondents' income from a single job were concentrated in only one of the four reference months, a figure as high as $33,332 could be shown. (Income from interest or property have lower topcodes).

Summary income figures on the person, family, and household records are simple sums of the components shown on the file after topcoding, and are not independently topcoded. Thus, a person with high income from several sources (jobs, businesses, property) could have aggregate monthly income well over the topcode for each source. Families and households with a number of high income members could theoretically have aggregate income shown well over $100,000, though well below the $1.5 million shown as the highest allowable value in the data dictionary.

The user is cautioned against trying to make much use of the occasional monthly figures above $8,333, except in calculating aggregates or observing patterns across the 4-month period for a single individual, family, or household. Those units with higher monthly amounts shown are a biased sample of high income units, more likely to include units with income from multiple sources than other units with equally high aggregate income which comes from a single source.

GLOSSARY OF SELECTED TERMS

Absent 1 or more weeks. Absent 1 or more weeks means absent without pay from a job or business. Persons were absent without pay in a month if they were 'with a job' during the entire month, but were not at work at that job during at least 1 full week (Sunday through Saturday) during the month, and did not receive wages or a salary for any time during that week. Reasons for an unpaid absence include vacation, illness, layoff, bad weather, labor disputes, and waiting to start a new job.

Family household. A family household is a household maintained by a family; any unrelated persons (unrelated subfamily members and/or secondary individuals) who may be residing there are included. 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.

Family. A family is a group of two or more persons (one of whom is the householder) related by birth, marriage, or adoption and residing together; all such persons (including related subfamily members) are considered members of one family.

Farm-nonfarm residence. The farm population refers to rural residents living on farms. Under this definition, a farm is any place in rural territory from which sales of crops, livestock, and other agricultural products amounted to $1,000 or more during the previous 12-month period.

Full-time and part-time. The data on full- and part-time workers pertain to the number of hours a person usually worked per week during the weeks worked in the 4-month reference period of the survey. If the hours worked per week varied considerably, the respondent was asked to report an approximate average of the actual hours worked each week.

Persons 16 years old and over who reported usually working 35 or more hours each week during the weeks they worked are classified as 'full-time' workers; persons who reported that they usually worked fewer than 35 hours are classified as 'part-time' workers. The same definitions are used in the CPS.

Household. A household consists of all persons who occupy a housing unit. A house, an apartment or other group of rooms, or a single room is regarded as a housing unit when it is occupied or intended for occupancy as separate living quarters; that is, when the occupants do not live and eat with any other persons in the structure and there is either (1) direct access from the outside or through a common hall or (2) a kitchen or cooking equipment for the exclusive use of the occupants.

A household includes the related family members and all the unrelated persons, if any, such as lodgers, foster children, wards, or employees who share the housing unit. A person living alone in a housing unit or a group of unrelated persons sharing a housing unit as partners is also counted as a household. The count of households excludes group quarters. Examples of group quarters include rooming and boarding houses, college dormitories, and convents and monasteries.

Householder. Survey procedures call for listing first the person (or one of the persons) in whose name the home is owed or rented. If the house is owned jointly by a married couple, either the husband or the wife may be listed first, thereby becoming the reference person, or householder, to whom the relationship of the other household members is recorded. One person in each household is designated as the 'householder.' The number of householders, therefore, is equal to the number of households.

Layoff. In general, the word 'layoff' means release from a job because of slack work, material shortages, inventory taking, plant remodeling, installation of machinery, or other similar reasons. For this survey, persons were also on 'layoff' who did not have job but who responded that they has spent at least 1 week on layoff from a job and that they were available to accept a job.

In addition, persons were on 'layoff' in a given month if they were 16 years old or over and (a) were 'with a job' but 'absent without pay' from that job for at least 1 full week during that month, and (b) they responded that their main reason for being absent from their job or business was 'layoff.' 'On layoff' also includes a small number of persons who responded that they were waiting to report to a new wage and salary job that was to begin within 30 days. In other words, persons waiting to begin a new job are classified together with persons waiting to return to a job from which they have been laid off.

Looking for work. Persons who 'looked for work' in a given month are those who were 16 years old or over and (a) were without a job during at least 1 week during the month, (b) tried to get work or establish a business or profession in that week, and (c) were available to accept a job. Examples of jobseeking activities are (1) registering at a public or private employment office, (2) meeting with prospective employers, (3) investigating possibilities for starting a professional practice or opening a business, (4) placing or answering advertisements, (5) writing letters of application, and (6) being on a professional register.

The CPS uses a similar concept of 'looking for work.' The term 'unemployed' as used in the CPS includes persons who were looking for work in the reference week and those who were 'on layoff' or 'waiting to begin a new job in 30 days."

Low-Income Home Energy Assistance Program. Benefits from the Federally funded LIHEAP authorized by Title XXVI of the Omnibus Budget Reconciliation Act of 1981, or comparable assistance provided through State funded assistance programs, may be received in the form of direct payment to the household as reimbursement for heating or cooling expenses or paid directly to the fuel dealer or landlord.

Means-tested benefits. The term means-tested benefits refers to programs that require the income or assets (resources) of the individual or family be below specified guidelines in order to qualify for benefits. These programs provide cash and noncash assistance to the low-income population. The major sources of means-tested cash and noncash assistance are shown in Appendix B-2.

Medicaid. This term refers to the Federal-State program of medical assistance for low-income individuals and their families as provided for by Title XIX of the Social Security Act. The phrase 'Medicaid covered' refers to persons enrolled in the Medicaid program, regardless of whether they actually utilized any Medicaid covered health care services during the survey reference period.

Medicare. This term refers to the Federal Health Insurance Program for the Aged and Disabled as provided for by Title XVIII of the Social Security Act. The phrase 'Medicare covered' refers to persons enrolled in the Medicare program, regardless of whether they actually utilized any Medicare covered health care services during the survey reference period.

Monthly income. The monthly income estimates for households are based on the sum of the monthly income received by each household member age 15 years old or over.

Cash income includes all income received from any of the sources listed in Appendix B-1. Rebates, refunds, loans, and capital gain or loss amounts from the sale of assets, and interhousehold transfers of cash such as allowances are not included. Accrued interest on Individual Retirement Accounts, KEOUGH retirement plans. and U.S. Savings bonds are also excluded. This definition differs somewhat from that used in the annual income reports based on the March CPS Income supplement questionnaire. These data, published in the Consumer Income Series, P-60, are based only on income received in a regular or periodic manner and, therefore, exclude lump-sum or one-time payments such as inheritances and insurance settlements. The March CPS income definition, however, does exclude the same income sources excluded by SIPP.

The income amounts represent amounts actually received during the month, before deductions for income and payroll taxes, union dues, Part B Medicare premiums, etc.

The SIPP income definition includes three types of earnings: wages and salary, nonfarm self-employment, and farm self-employment. The definition of nonfarm self-employment and farm self-employment is not based on the net difference between gross receipts or sales and operating expenses, depreciation, etc. The monthly amounts for these income types are based on the salary or other income received from the business by the owner of the business or farm during the 4-month reference period.

The Bureau of Labor Statistics publishes quarterly averages for an earnings concept called 'usual weekly earnings' for employed wage and salary workers. The concept differs from the SIPP earnings concept since it is based on usual, not actual earnings, excludes the self-employed, and excludes earnings from secondary jobs.

While the income amounts from most sources are recorded monthly for the 4-month reference period, property income amounts, interest, dividends, rental income, etc., were recorded as totals for the 4-month period. These totals were distributed equally between months of the reference period for purposes of calculating monthly averages.

Nonfamily household. A nonfamily household is a household maintained by a person living alone or with nonrelatives only.

Persons of Spanish origin. Persons of Spanish origin were determined on the basis of a question that asked for self-identification of the person's origin or descent. Respondents were asked to select their origin (or the origin of some other household member) from a 'flash card' listing ethnic origins. Persons of Spanish origin, in particular, were those who indicated that their origin was Mexican, Puerto Rican, Cuban, Central or South American, or some other Spanish origin. It should be noted that persons of Spanish origin may be of any race.

Population coverage. The estimates are restricted to the civilian noninstitutional population of the 50 States and members of the Armed Forces living off post or with their families on post.

Race. The population is divided into groups on the basis of race: White; Black; American Indian, Eskimo, or Aleut; Asian or Pacific Islander; and 'other races.'

Special Supplemental Food Program for women, Infants, and Children (WIC). Benefits are received in the form of vouchers that are redeemed at retail stores for specific supplemental nutritious foods. Eligible low-income recipients are infants and children up to age five and pregnant, postpartum, and breastfeeding women.

Unemployment compensation. This term refers to cash benefits paid to unemployed workers through a State or local unemployment agency. These include all benefits paid under the Federal-State unemployment insurance program as established under the Social Security Act, as well as those benefits paid to State and local government employees, Federal civilian employees, and veterans.

With a Job. Persons are classified 'with a job' in a given month if they were 16 years old or over and, during the month, either (a) worked as paid employees or worked in their own business or profession or on their own farm or worked without pay in a family business or farm or (b) were temporarily absent from work either with or without pay. In general, the word 'job' implies an arrangement for regular work for pay where payment is in cash wages or salaries, at piece rates, in tips, by commission, or in kind (meals, living quarters, supplies received). 'Job' also includes self-employment at a business, professional practice, or farm. A business is defined as an activity which involves the use of machinery or equipment in which money has been invested or an activity requiring an office or 'place of business' or an activity which requires advertising; payment may be in the form of profits or fees.

The Current Population Survey (CPS), the official source of labor force statistics for the Nation, uses the same definition for a job or business. The term 'with a job,' however, should not be confused with the term 'employed' as used in the CPS. 'With a job' includes those who were temporarily absent from a job because of layoff and those waiting to begin a new job In 30 days; in the CPS these persons are not considered 'employed.' See 'Worked each week' below.

With labor force activity. The term 'with labor force activity' includes all persons with a job (as defined above) and those looking for work or on layoff from a job for at least 1 week during a given month. Conversely, those persons 'with no labor force activity' had no job, were not on layoff from a job and made no effort to find a job during the month.

Work disability. Persons were classified as having a work disability if they were identified by the respondent as having a physical, mental, or other health condition that limits the kind or amount of work they can do.

Worked each week. Persons 'worked each week' in a month if, for the entire month, they were 'with a job' and not 'absent without pay' from the job. In other words, a person worked each week in any month when they were (a) on the job the entire month, or (b) they received wages or a salary for all weeks in the month, whether they were on the job or not. Persons also worked each week if they were self-employed and spent time during each week of the month at or on behalf of the business or farm they owned, as long as they received or expected to receive profit or fees for their work.

In the CPS, the concept at 'work' includes those persons who spent at least 1 hour during the reference week at their job or business. In the CPS, however, 'at work' does not include persons who were temporarily absent from their jobs during the entire reference week on paid vacation, sick leave, etc. In SIPP, 'worked each week' does include persons on paid absences.

INDEX TO 1991 WAVE 4 TOPICAL MODULE

ALPHABETICAL VARIABLE LISTING TO 1991 WAVE 4 TOPICAL MODULE

HOW TO USE THE DATA DICTIONARY

The Data Dictionary describes the contents and record layout of the public-use computer tape file. The first line of each data item description gives the data name, size of the data field, and the begin position of the field.

The next few lines contain descriptive text and any applicable notes. Categorical value codes and labels are given where needed. Comment notes marked by an (*) are provided throughout. Comments should be removed from the machine-readable version of the data dictionary before using it to help access the data file.

> **Data.** Alphabetic, numeric, and the special character (-). No other special characters are used. It may be a mnemonic such as "STATE" or "SE1-OCC", or a sequential identifier such as "SC1176" or "WS-IMP01". Data item names are unique throughout the entire file.
>
> **Size.** Numeric. The size of a data item is given in characters. Indication of implied decimal places is provided in notes.
>
> **Begin.** Numeric. Contains the location in the data record of the first character position of the data item field.

The first line of each data item description begins with the character "D" (left-justified, two characters). The "D" flag indicates lines in the data dictionary containing the name, size, relative begin and begin position of each data item. This information (in machine-readable form) can be used to help access the data file. The line beginning with the character "U" describes the universe for that item. Lines containing categorical value codes and labels follow next and begin with the character "V". The special character (.) denotes the start of the value labels. Two examples of data item descriptions follow:

```
D SC1218    1  2805
        What was the main reason ... could
        not take a job during those weeks
U Persons 15 years old or older
V       0 .Not in universe
V       1 .Already had a job
V       2 .Temporary illness
V       3 .School
V       4 .Other


D RR3064    2  3760
        Railroad retirement sends out two types
        of checks; which color check does ...
        receive.
U Persons age 15 years or older receiving
   railroad retirement
V      -1 .DK
V      00 .Not in universe
V      01 .Blue
V      02 .Buff
V      03 .Direct deposit
V      04 .Other
```

SIPP 1991 WAVE 4 TOPICAL MODULE DATA DICTIONARY

DATA	SIZE	BEGIN

D SUSEQNUM   5   1
Sequence number of sample unit
Primary sort key

D ID   9   6
Sample unit identifier
This identifier is created by scrambling
together the PSU, segment and serial of
the original sample address. It may be
used in matching sample units from
different waves

D ROTATION   1   15
Rotation

D STATE   2   16
FIPS state code from the MST/GRIN File
- V   01 .Alabama
- V   04 .Arizona
- V   05 .Arkansas
- V   06 .California
- V   08 .Colorado
- V   09 .Connecticut
- V   10 .Delaware
- V   11 .District Of Columbia
- V   12 .Florida
- V   13 .Georgia
- V   15 .Hawaii
- V   17 .Illinois
- V   18 .Indiana
- V   20 .Kansas
- V   21 .Kentucky
- V   22 .Louisiana
- V   24 .Maryland
- V   25 .Massachusetts
- V   26 .Michigan
- V   27 .Minnesota
- V   28 .Mississippi
- V   29 .Missouri
- V   31 .Nebraska
- V   32 .Nevada
- V   33 .New Hampshire
- V   34 .New Jersey
- V   35 .New Mexico
- V   36 .New York
- V   37 .North Carolina
- V   39 .Ohio
- V   40 ..Oklahoma
- V   41 .Oregon
- V   42 .Pennsylvania
- V   44 .Rhode Island
- V   45 .South Carolina
- V   47 .Tennessee
- V   48 .Texas
- V   49 .Utah
- V   51 .Virginia
- V   53 .Washington
- V   54 .West Virginia
- V   55 .Wisconsin
- V   61 .Maine,Vermont
- V   62 .Iowa,North Dakota,South Dakota
- V   63 .Alaska,Idaho,Montana,Wyoming

D PINX   2   18
Person index from core

DATA	SIZE	BEGIN

D ADDID   2   20
Address ID. - This field differentiates
households within the same PSU, segment
and serial, that is, households which
originate out of an original sample
household
U All households

D ITEM36B   2   22
Control card item 36B - Interview status
code
U All households
- V   01 .Interviewed
- Type A Noninterview
- V   02 .No one home
- V   03 .Temporarily absent
- V   04 .Refused
- V   05 .Unable to locate
- V   06 .Other type A
- Type B Noninterview (Wave 1)
- V   09 .Vacant
- V   10 .Occupied by persons with URE
- V   11 .Unfit or to be demolished
- V   12 .Under construction, not ready
- V   13 .Converted to temporary business
- V   .or storage
- V   14 .Unoccupied site for mobile
- V   .home, trailer, or tent
- V   15 .Permit granted, construction
- V   .not started
- V   .16 Other Type B
- Type B Noninterview (Wave 2+)
- V   16 .Entire HH institutionalized
- V   .or temporarily ineligible
- Type C Noninterview (Wave 1)
- V   17 .Demolished
- V   18 .House or trailer moved
- V   19 .Converted to permanent
- V   .business or storage
- V   20 .Merged
- V   21 .Condemned
- V   22 .Other Type C
- Type C Noninterview (Wave 2+)
- V   22 .Deleted (sample adjustment,
- V   .error)
- V   23 .Entire household deceased,
- V   .moved out of country, or living
- V   .in Armed Forces barracks
- Type D Noninterview (Wave 2+)
- V   24 .Moved, address unknown
- V   25 .Moved within country beyond
- V   .limit
- V   26 .All sample persons relisted on
- V   .new control card(s)

D INTVW   1   24
Person's interview status
U All persons, including children
- V   0 .Not applicable (children
- V   .under 15)
- V   1 .Interview (self)
- V   2 .Interview (proxy)
- V   3 .Noninterview - type Z refusal
- V   4 .Noninterview - type Z other

DATA	SIZE	BEGIN

D PP-MIS1   1   25
Monthly person's interview status
U All persons, including children
V   1 .Interview
V   2 .Non-interview

D PP-MIS2   1   26
Monthly person's interview status
U All persons, including children
V   1 .Interview
V   2 .Non-interview

D PP-MIS3   1   27
Monthly person's interview status
U All persons, including children
V   1 .Interview
V   2 .Non-interview

D PP-MIS4   1   28
Monthly person's interview status
U All persons, including children
V   1 .Interview
V   2 .Non-interview

D PP-MIS5   1   29
Monthly person's interview status
U All persons, including children
V   1 .Interview
V   2 .Non-interview

D ENTRY   2   30
Edited entry address ID
Address of the household that this
person belonged to at the time this
person first became part of the sample
U All persons, including children

D PNUM   3   32
Edited person number
U All persons, including children

D FINALWGT 12   35
'STAGE1WT' * second stage factor
U All persons, including children

D RRP   1   47
Edited relationship to reference person
U All persons, including children
V   0 .Not a sample person in this
V   .month
V   1 .Household reference person,
V   .living with relatives
V   2 .Household reference person
V   .living alone or with only
V   .non-relatives (primary
V   .individual)
V   3 .Spouse of household reference
V   .person
V   4 .Child of household reference
V   .person
V   5 .Other relative of household
V   .reference person
V   .6 .Non-relative of household
V   .reference person but related to
V   .others in the household-member
V   .of an unrelated sub (secondary)
V   .family
V   7 .Non-relative of household
V   .reference person and not
V   .related to anyone else in the
V   .household (secondary individual)

DATA	SIZE	BEGIN

D AGE   3   48
Edited and imputed age as of last
birthday
U All persons, including children
V   000 .Less than 1 full year
V   001 .1 year
V   .etc.

D SEX   1   51
Sex of this person
Edited and imputed
U All persons, including children
V   1 .Male
V   2 .Female

D RACE   1   52
Race of this person
Edited and imputed
U All persons, including children
V   1 .White
V   2 .Black
V   3 .American Indian, Eskimo or
V   .Aleut
V   4 .Asian or Pacific Islander

D MS   1   53
Marital status
If a person's marital status changed
during any month, the marital status
shown is the status maintained for the
greatest part of the month - edited
and imputed
U Persons 15 years old or older
V   0 .Not a sample person in this
V   .month
V   1 .Married, spouse present
V   2 .Married, spouse absent
V   3 .Widowed
V   4 .Divorced
V   5 .Separated
V   6 .Never married

D PNSP   3   54
Person number of spouse
U Persons 15 years old or older
V   000 .Not a sample person in this
V   .month
V   999 .Not applicable

D PNPT   3   57
Person number of parent
U Persons 15 years old or older
V   000 .Not a sample person in this
V   .month
V   999 .Not applicable

D HIGRADE   2   60
What is the highest grade or year of
regular school this person attended?
U Persons 15 years old or older
V   00 .Not applicable if under 15,
V   .did not attend or attended
V   .only kindergarten
V   01-08 .Elementary
V   09-12 .High school
V   21-26 .College

D GRD-CMPL   1   62
Did he/she complete that grade
U Persons 15 years old or older
V   0 .Not applicable
V   1 .Yes
V   2 .No

```
DATA      SIZE BEGIN                          DATA      SIZE BEGIN

D ETHNICTY   2    63                          V     -0000003 .None
    Ethnic origin                             V     00000000 .Not in universe
U All persons, including children             V 1-00200000 .Total amount
V        01 .German
V        02 .English                          D SC4422    8    93
V        03 .Irish                                What is your best estimate of the
V        04 .French                               average amount that ... had in
V        05 .Italian                              ...'s assets during the 4-month
V        06 .Scottish                             period ?
V        07 .Polish                           U Persons owning other interest-earning
V        08 .Dutch                                assets with spouse during the four
V        09 .Swedish                              month period
V        10 .Norwegian                        V     -0000003 .None
V        11 .Russian                          V     00000000 .Not in universe
V        12 .Ukrainian                        V 1-00275000 .Total amount
V        13 .Welsh
V        14 .Mexican-American
V.       15 .Chicano                          ***********************************************
V        16 .Mexican                          *                                             *
V        17 .Puerto Rican                     *       Stocks and Mutual Fund Shares         *
V        18 .Cuban                            *                                             *
V        19 .Central or South American        ***********************************************
V           .(Spanish speaking)
V        20 .Other Spanish                    D TM8032    1   101
V        21 .Afro-American (Black or Negro)       Check Item A15
V        30 .Another group not listed             Interview status of...'s spouse
V        39 .Don't know                       U Persons with stocks and mutual fund shares
                                              V        0 .Not applicable
D WAVE       1    65                          V        1 .No spouse in household
    Control card item 36A - wave number       V          .- skip to TM8044
    associated with the interview status      V        2 .Interview for spouse not yet
U All persons                                 V          .conducted
                                              V        3 .Interview for spouse already
D FILLER     3    66                          V          .conducted - skip to TM8042
    Blank filler
                                              D TM8034    6   102
D SC4314     8    69                              As of (last day of reference period)
    What is your best estimate of the             what was the market value of the
    average amount that ... and ...'s             stocks or mutual funds held jointly
    (husband/wife) had in these jointly           by...and...'s (husband/wife)
    held assets during the 4-month                (exclude stock in own corporation
    period ?                                      if value of that corporation was
U Persons owning savings accounts, money          already obtained)
    market, certificates of deposit, and     U Persons with stocks and mutual fund shares
    interest-earning checking accounts with       who have spouse in household but interview
    spouse during the four month period           for spouse has not yet been conducted
V    -0000003 .None                           V    000000 .Not applicable
V    00000000 .Not in universe                V    4-999999 .Total amount - skip to
V 1-00090000 .Total amount                    V             .TM8038
                                              V      -00003 .None - skip to TM8042
D SC4322    8    77
    What is your best estimate of the         D TM8036    1   108
    average amount that ... had in                If I were to call back later would you be
    ...'s assets during the 4-month               able to provide me with an estimate of
    period ?                                      the amount
U Persons owning savings accounts, money      U Persons with stocks or mutual fund shares
    market, certificates of deposit, and          with spouse interview not yet conducted who
    interest-earning checking accounts with       don't know market value of stocks or
    spouse during the four month period           mutual funds
V    -0000003 .None                           V        0 .Not applicable
V    00000000 .Not in universe                V        1 .Yes
V 1-00075000 .Total amount                    V        2 .No

D SC4414     8    85                          D TM8042    1   109
    What is your best estimate of the             Besides the stocks or mutual fund
    average amount that ... and ...'s             shares held jointly with...'s
    (husband/wife) had in these jointly           (husband/wife), did...hold any
    held assets during the 4-month                other stocks or mutual fund shares
    period ?                                  U Persons with stocks or mutual funds with
U Persons owning other interest-earning           spouse in household
    assets with spouse during the four        V        0 .Not applicable
    month period                              V        1 .Yes
                                              V        2 .No - skip to next ISS code or
                                              V          .TM8200
```

DATA   SIZE BEGIN

D TM8044   6   110
      As of (last day of reference period)
      what was the market value of the
      stocks or mutual funds...held in
      (his/her) own name (exclude stock in own
      corporation if value of that corporation
      was already obtained)
U Persons with stocks or mutual funds
  in addition to joint stocks or mutual funds
V   000000 .Not applicable
V   3-999999 .Total amount - skip to
V   .TM8048

D TM8046   1   116
      If I were to call back later would you be
      able to provide me with an estimate of
      the amount
U Persons with stocks and mutual fund shares
  in addition to joint stocks or mutual funds
  who don't know value
V   0 .Not applicable
V   1 .Yes
V   2 .No

****
* Rental Income   *
****

D TM8052   2   117
      As of (last day of reference period)
      did ... own any rental property jointly
      with ...'s (husband/wife) (include
      only property owned entirely by ...
      and ...'s(husband/wife)
U Persons who own rental property with
  spouse's interview not yet conducted
V   00 .Not applicable
V   01 .Yes
V   02 .No - skip to SC4610

D TM8054   2   119
      How many properties did...own
      jointly with...'s (husband/wife)
      as of (last day of reference period)
U Persons who own joint rental property
  on last day of reference period and spouse's
  interview has not been conducted
V   00 .Not applicable
V   01 - 99 .Number of properties
V   -3 .None - skip to SC4610

D TM8056   1   121
      Were any of these properties attached to
      or located on the same land as ...'s own
      residence?
U Persons who own joint rental property
  on last day of reference period and spouse's
  interview has not been conducted
V   0 .Not applicable
V   1 .Yes - all rental properties on
V   .residence - skip to SC4610
V   2 .Yes - some rental properties on
V   .residence
V   3 .No

D TM8068   6   122
      (Excluding properties attached to or
      located on ...'s own residence),
      as of (last day of reference period)
      what was the total market value of
      the property(ies)
U Persons who own joint rental property
  on last day of reference period with all
  rental properties not on residence
V   000000 .Not applicable

DATA   SIZE BEGIN

V   3-500000 .Total amount - skip to
V   .TM8072

D TM8070   1   128
      If I were to call back later would you be
      able to provide me with an estimate of
      the amount
U Persons who own joint rental property
  on last day of reference period with all
  rental properties not on residence but
  don't know value of properties
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8072   2   129
      (Excluding properties attached to or
      located on ...'s own residence) was
      there a mortgage, deed of trust,
      or other debt on the property(ies)
U Persons who own joint rental property
  on last day of reference period with all
  rental properties not on residence
V   00 .Not applicable
V   01 .Yes
V   02 .No - skip to SC4610

D TM8074   6   131
      As of(last day of reference period)
      how much principal was owed on the
      property(ies)
U Persons who own joint rental property
  on last day of reference period that
  have a mortgage, deed of trust, or
  other debt on the properties
V   000000 .Not applicable
V   3-280000 .Total amount
V   -00003 .None

D TM8076   2   137
      As of(last day of reference period)
      did ... own any rental property in ...'s
      own name
U Persons who own rental property
V   00 .Not applicable
V   01 .Yes
V   02 .No -skip to SC4618

D TM8078   2   139
      How many properties did ... own
      in ...'s own name
U Persons who own rental property in own
  name on last day of reference period
V   00 .Not applicable
V   01 - 99 .Number of properties
V   -3 .None - skip to SC4618

D TM8080   1   141
      Were any of these properties attached to
      or located on the same land as ...'s own
      residence
U Persons who own rental property in own
  name on last day of reference period
V   0 .Not applicable
V   1 .Yes - all rental properties on
V   .residence - skip to SC4618
V   2 .Yes - some rental properties on
V   .residence
V   3 .No

DATA   SIZE BEGIN   DATA   SIZE BEGIN

D TM8092   6   142   U Persons who own rental property
    (Excluding properties attached to or   jointly with someone other than
    located on ...'s own residence),   spouse on last day of reference period
    as of(last day of reference period)   V   000000 .Not applicable
    what was the total market value of   V   3-999000 .Total amount
    the property(ies)
U Persons who own rental property in own   D TM8118   2   167
  name on last day of reference period   Was there a mortgage, deed of trust,
V   000000 .Not applicable   or other debt on the property(ies)
V   3-325000 .Total amount - skip to   U Persons who own rental property
V   .TM8096   jointly with someone other than
                                                   spouse on last day of reference
D TM8094   1   148   period
    If I were to call back later would you be V   00 .Not applicable
    able to provide me with an estimate of   V   01 .Yes
    the amount   V   02 .No
U Persons who own rental property in own
  name on last day of reference period but   D TM8120   6   169
  don't know value   As of (last day of reference period)
V   0 .Not applicable   how much principal was owed on the
V   1 .Yes   property(ies)
V   2 .No   U Persons who own rental property
                                                   jointly with someone other than
D TM8096   2   149   spouse on last day of reference
    Was there a mortgage, deed of trust,   period that has mortgage, deed of
    or other debt on the property(ies)   trust, or other debt
U Persons who own rental property in own   V   000000 .Not applicable
  name on last day of reference period   V   3-340000 .Total amount
V   00 .Not applicable   V   -00003 .None
V   01 .Yes
V   02 .No - skip to SC4618   D TM8122   6   175
                                                   As of (last day of reference period)
D TM8098   6   151   what was the total value of...'s
    As of(last day of reference period)   share of equity in the property(ies)
    how much principal was owed on the   (by equity we mean the total market
    property(ies)   value less any debts held against it.)
U Persons who own rental property in own   U Persons who own rental property
  name that has mortgage, deed of trust,   jointly with someone other than
  or other debt on property   spouse on last day of reference
V   000000 .Not applicable   period
V   3-240000 .Total amount   V   000000 .Not applicable
V   -00003 .None   V   3-100000 .Total amount - skip to
                                               V   .next ISS code or TM8200
D TM8100   2   157   V   -00003 .None
    Did ... own any rental property jointly
    with others (as of last day of reference D TM8124   1   181
    period) not including property   If I were to call back later would you be
    owned entirely by ... and ...'s spouse   able to provide me with an estimate of
U Persons who own rental property   the amount
V   00 .Not applicable   U Persons who own rental property
V   01 .Yes   jointly with someone other than
V   02 .No -skip to next ISS code or   spouse on last day of reference
V   .TM8200   period who don't know value of equity in
                                                   properties
D TM8102   2   159   V   0 .Not applicable
    How many properties did ... own   V   1 .Yes
    jointly with others (as of last day   V   2 .No
    of reference period)
U Persons who own rental property   D TM8130   1   182
  jointly with someone other than   Check item A21
  spouse on last day of reference period   Is ISS code 150 marked in Check Item
V   00 .Not applicable   A17
V   01 - 99 .Number of properties   U Persons with other financial
V   -3 .None - skip to next ISS   investments
V   .code or TM8200   V   0 .Not applicable
                                               V   1 .Yes
D TM8116   6   161   V   2 .No
    As of(last day of reference period)
    what was the total market value of
    the property(ies)

DATA   SIZE BEGIN

D TM8132   6   183
        As of(last day of reference period)
        what was...'s equity in other
        financial investments (by equity
        we mean the total market value less
        any debts held against it.)
U Persons with other financial investments
V   000000 .Not applicable
V   4-999999 .Total amount -skip to TM8200
V   -00003 .None - skip to TM8200

****
*   COMMENT   *
*   Imputation flags for G2-type record   *
*   *
*   The possible answers are: *
*   *
*   V   0 .Not imputed   *
*   V   1 .Imputed   *
****

D IMP8034   1   189
        Topical modules imputation flag
        Imputation of 'TM8034'

D IMP8042   1   190
        Topical modules imputation flag
        Imputation of 'TM8042'

D IMP8044   1   191
        Topical modules imputation flag
        Imputation of 'TM8044'

D IMP8052   1   192
        Topical modules imputation flag
        Imputation of 'TM8052'

D IMP8054   1   193
        Topical modules imputation flag
        Imputation of 'TM8054'

D IMP8056   1   194
        Topical modules imputation flag
        Imputation of 'TM8056'

D IMP8068   1   195
        Topical modules imputation flag
        Imputation of 'TM8068'

D IMP8072   1   196
        Topical modules imputation flag
        Imputation of 'TM8072'

D IMP8074   1   197
        Topical modules imputation flag
        Imputation of 'TM8074'

D IMP8076   1   198
        Topical modules imputation flag
        Imputation of 'TM8076'

D IMP8078   1   199
        Topical modules imputation flag
        Imputation of 'TM8078'

D IMP8080   1   200
        Topical modules imputation flag
        Imputation of 'TM8080'

DATA   SIZE BEGIN

D IMP8092   1   201
        Topical modules imputation flag
        Imputation of 'TM8092'

D IMP8096   1   202
        Topical modules imputation flag
        Imputation of 'TM8096'

D IMP8098   1   203
        Topical modules imputation flag
        Imputation of 'TM8098'

D IMP8100   1   204
        Topical modules imputation flag
        Imputation of 'TM8100'

D IMP8102   1   205
        Topical modules imputation flag
        Imputation of 'TM8102'

D IMP8116   1   206
        Topical modules imputation flag
        Imputation of 'TM8116'

D IMP8118   1   207
        Topical modules imputation flag
        Imputation of 'TM8118'

D IMP8120   1   208
        Topical modules imputation flag
        Imputation of 'TM8120'

D IMP8122   1   209
        Topical modules imputation flag
        Imputation of 'TM8122'

D IMP8132   1   210
        Topical modules imputation flag
        Imputation of 'TM8132'
        assets and liabilities

D FILLER   2   211
        Blank filler

****
* Part A - Selected Financial Assets and   *
*   Liabilities   *
****

D TM8204   1   213
        Did ... own any U.S. savings bonds
        as of (last day of reference period)
U Persons 15 years and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8208

D TM8206   6   214
        What was the face value of the U.S.
        savings bonds that...owned
        (if ownership was shared, count
        only ...'s share)
U Persons 15 years and older
  who own savings bonds on last
  day of reference period
V   000000 .Not applicable
V 25-012500 .Total amount

DATA   SIZE BEGIN

D TM8208   1   220
     Check item T1
     Interview status of...'s spouse
U Persons 15 years and older
V   0 .Not applicable
V   1 .No spouse in household -
           .skip to TM8232
V   2 .Interview for spouse not yet
           .conducted
V   3 .Interview for spouse already
           .conducted - skip to TM8232

D TM8209   2   221
     As of (last day of reference period)
     did ... own jointly with ...'s
     (husband/wife) any checking accounts
     which do not earn interest
U Persons 15 years and older, with spouse
  interview not yet conducted
V   00 .Not applicable
V   01 .Yes
V   02 .No - skip to TM8212

D TM8210   6   223
     What is your best estimate of the amount
     of money ... and ...'s (husband/wife) had
     in those checking accounts as of (last
     day of reference period)
U Persons 15 years and older, with spouse,
  who have checking accounts on last day of
  reference period which do not earn interest
V   000000 .Not applicable
V 4-005000 .Total amount
V   -00003 .None

D TM8232   2   229
     Besides any checking accounts
     owned jointly with ...'s
     spouse as of (last day of reference
     period) did ... own any (other) checking
     accounts which do not earn interest
U Persons 15 years and older
V   00 .Not applicable
V   01 .Yes
V   02 .No - skip to TM8234

D TM8233   6   231
     What is your best estimate of the amount
     of money ... had in those checking
     accounts as of (last day of reference
     period) (if account was shared, count
     only ...'s share)
U Persons 15 years and older with individual
  checking accounts on last day of reference
  period that did not earn interest
V   000000 .Not applicable
V 1-003500 .Total amount
V   -00003 .None

D TM8258   1   237
     Check item T2
     Is ... 21 years of age or older
U Persons 15 years and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8526

D TM8260   2   238
     Does ... have an individual retirement
     account - an IRA - in ...'s own name
U Persons 21 years and older
V   00 .Not applicable
V   01 .Yes
V   02 .No - skip to TM8284

D TM8262   2   240
     For how many years has ... contributed
     to ...'s IRA accounts
U Persons 21 years and older who have
  IRA in own name
V   00 .Not applicable
V   01 - 99 .Number of years

D TM8264   6   242
     As of (last day of reference period),
     what is the total balance or market
     value (including interest earned)
     of...'s IRA accounts
U Persons 21 years and older who
  have IRA in own name
V   000000 .Not applicable
V 3 -051000 .Total amount - skip to
              .TM8268

D TM8266   1   248
     If I were to call back later would you be
     able to provide me with an estimate of
     the amount
U Persons 21 years and older who
  have IRA in own name but don't know value
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8284   2   249
     Does ... have a KEOGH account in ...'s
     own name
U Persons 21 years and older
V   00 .Not applicable
V   01 .Yes
V   02 .No - skip to TM8308

D TM8286   2   251
     For how many years has ... contributed
     to ...'s KEOGH account
U Persons 21 years and older
  with KEOGH account
V   00 .Not applicable
V   01 - 99 .Number of years

D TM8288   6   253
     As of (last day of reference period)
     what was the total balance or market
     value of assets in ...'s KEOGH account(s)
U Persons 21 years and older
  with KEOGH account
V   000000 .Not applicable
V 3-200000 .Total amount - skip to
              .TM8292

D TM8290   1   259
     If I were to call back later would you be
     able to provide me with an estimate of
     the amount
U Persons 21 years and older with KEOGH
  account who don't know value
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8308   2   260
     Does ... have any life insurance
     (include group policies provided
     by employers)
U Persons 21 years and older
V   00 .Not applicable
V   01 .Yes
V   02 .No - skip to TM8324

```
DATA        SIZE  BEGIN                          DATA          SIZE  BEGIN

                                                 D IMP8288      1    281
D TM8310      6    262                                Topical modules imputation flag
     What is the current face value of all           Imputation of 'TM8288'
     life insurance policies that ... has
U Persons 21 years and older                     D IMP8308      1    282
  with life insurance                                Topical modules imputation flag
V      000000 .Not applicable                        Imputation of 'TM8308'
V   01-999999 .Total amount
                                                 D IMP8310      1    283
D TM8312      2    268                                Topical modules imputation flag
     What type of life insurance does ... have        Imputation of 'TM8310'
     -- is it "term insurance", "whole life",
     or does ... have both of these types       D IMP8312      1    284
U Persons 21 years and older with                    Topical modules imputation flag
  life insurance                                     Imputation of 'TM8312'
V          00 .Not applicable
V          01 .Term only                         ********************************************
V          02 .Whole life only                   * Part B - Medical Expenses and Work       *
V          03 .Both types                        *          Disability                      *
                                                 ********************************************

********************************************
*  COMMENT                                 *     ********************************************
*  Imputation flag for topical modules     *     * Item 1.  During (read last month) did ... *
*  assets & liabilities record             *     * pay any of the following:                *
*                                           *     ********************************************
*  The possible answers are:                *
*  V          0 .Not imputed                *     D TM8400      2    285
*  V          1 .imputed                     *         Doctor bills
********************************************     U Persons 15 years old or older
                                                 V          00 .Not applicable
D IMP8204      1    270                           V          01 .Yes
     Topical modules imputation flag             V          02 .No
     Imputation of 'TM8204'
                                                 D TM8402      2    287
D IMP8206      1    271                                Dental bills?
     Topical modules imputation flag             U Persons 15 years old or older
     Imputation of 'TM8206'                       V          00 .Not applicable
                                                 V          01 .Yes
D IMP8209      1    272                           V          02 .No
     Topical modules imputation flag
     Imputation of 'TM8209'                       D TM8404      2    289
                                                     Hospital bills?
D IMP8210      1    273                           U Persons 15 years old or older
     Topical modules imputation flag             V          00 .Not applicable
     Imputation of 'TM8210'                       V          01 .Yes
                                                 V          02 .No
D IMP8232      1    274
     Topical modules imputation flag             D TM8406      2    291
     Imputation of 'TM8232'                           Expenses for prescription medicine?
                                                 U Persons 15 years old or older
D IMP8233      1    275                           V          00 .Not applicable
     Topical modules imputation flag             V          01 .Yes
     Imputation of 'TM8233'                       V          02 .No

D IMP8260      1    276                           D TM8408      1    293
     Topical modules imputation flag                  Is one or more "yes" boxes marked in
     Imputation of 'TM8260'                           item 1?
                                                 U Persons 15 years old or older
D IMP8262      1    277                           V           0 .Not applicable
     Topical modules imputation flag             V           1 .Yes
     Imputation of 'TM8262'                       V           2 .No

D IMP8264      1    278                           D TM8410      6    294
     Topical modules imputation flag                  Not counting amounts already reported
     Imputation of 'TM8264'                           by another family member or amounts
                                                      that will be reimbursed by insurance,
D IMP8284      1    279                                how much did...pay for medical expenses
     Topical modules imputation flag                  in the month of(read last month)?
     Imputation of 'TM8284'                       U All persons who paid for medical expenses
                                                   last month
D IMP8286      1    280                           V      000000 .Not applicable
     Topical modules imputation flag             V    1-000700 .Dollar amount
     Imputation of 'TM8286'
```

DATA   SIZE BEGIN

D TM8412   1   300
    What is ...'s age
U All persons who paid for medical expenses
  last month
V   0 .Not applicable
V   1 .15 years old - skip to TM8526
V   2 .16-67 years old
V   3 .68 years old or older -
         .skip to TM8526

D TM8414   1   301
    Is "disabled" (code 171) marked on the
    ISS for ...?
U All persons, 16 to 67 years old
V   0 .Not applicable
V   1 .Yes - skip to TM8418
V   2 .No

D TM8416   1   302
    Is "disabled" (code 171) marked on
    the control card for ...?
U All persons, 16 to 67 years old with
  disabled not marked on the ISS
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8420

D TM8418   1   303
    We have recorded that ...'s health
    condition limits the kind or amount
    of work ... can do. Is that correct?
U All persons, 16 to 67 years old with
  disabled marked on the control card
V   0 .Not applicable
V   1 .Yes - skip to TM8422
V   2 .No - skip to TM8526

D TM8420   1   304
    Does...have a physical,mental,or other
    health condition which limits the kind
    or amount of work ... can do?
U All persons, 16 to 67 years
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8526

D TM8422   1   305
    Check Item T7
    Is "worked" (code 170) marked on
    the ISS?
U All persons, 16 to 67 years old with
  physical, mental, or other health condition
  which limits the kind or amount of work
V   0 .Not applicable
V   1 .Yes - skip to TM8526
V   2 .No

D TM8424   1   306
    Does...'s health or condition prevent
    ...from working at a job or business
U All persons, 16 to 67 years old with
  physical, mental, or other health condition
  which limits the kind or amount of work
  and with "Worked" marked on the ISS
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8526

DATA   SIZE BEGIN

D TM8426   1   307
    Has...been prevented from working
    for the past 12 months or longer?
U All persons, 16 to 67 years old with
  health or condition that prevents working
  at a job or business
V   0 .Not applicable
V   1 .Yes - skip to TM8526
V   2 .No

D TM8428   2   308
    Is it likely that ... will be able to
    work at some time in the next 12
    months?
U All persons, 16 to 67 years old with health
  or condition that has not prevented working
  for the past 12 months or longer
V   00 .Not applicable
V   01 .Yes
V   02 .No

```
**********************************************
*Imputation flags for medical expenses and  *
*work disability                            *
**********************************************
```

D IMP8400   1   310
    Topical modules imputation flag
    Imputation of 'TM8400'
V   0 .Not imputed
V   1 .Imputed

D IMP8402   1   311
    Topical modules imputation flag
    Imputation of 'TM8402'
V   0 .Not imputed
V   1 .Imputed

D IMP8404   1   312
    Topical modules imputation flag
    Imputation of 'TM8404'
V   0 .Not imputed
V   1 .Imputed

D IMP8406   1   313
    Topical modules imputation flag
    Imputation of 'TM8406'
V   0 .Not imputed
V   1 .Imputed

D IMP8410   1   314
    Topical modules imputation flag
    Imputation of 'TM8410'
V   0 .Not imputed
V   1 .Imputed

D IMP8418   1   315
    Topical modules imputation flag
    Imputation of 'TM8418'
V   0 .Not imputed
V   1 .Imputed

D IMP8420   1   316
    Topical modules imputation flag
    Imputation of 'TM8420'
V   0 .Not imputed
V   1 .Imputed

D IMP8424   1   317
    Topical modules imputation flag
    Imputation of 'TM8424'
V   0 .Not imputed
V   1 .Imputed

DATA   SIZE BEGIN

D IMP8426   1   318
    Topical modules imputation flag
    Imputation of 'TM8426'
V   0 .Not imputed
V   1 .Imputed

D IMP8428   1   319
    Topical modules imputation flag
    Imputation of 'TM8428'
V   0 .Not imputed
V   1 .Imputed

D FILLER   1   320
    Blank filler

****
* Part C - Real Estate, Shelter Costs,   *
*   Dependent Care, and Vehicles   *
****

D TM8526   1   321
    Check item T11
    Is this the reference person's
    questionnaire
U All persons 15 years old and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to SC4800

D TM8530   1   322
    Check item T13
    Tenure
U Reference persons
V   0 .Not applicable
V   1 .Owned or being bought
V   2 .Rented for cash - skip to
V   .TM8658
V   3 .Occupied without cash payment
V   - skip to TM8658

****
* COMMENT   *
* The next 3 fields (TM8532 through   *
* TM8536) are person number(s) in   *
* this household for the home owner(s).   *
* In each case the range of answers is: *
*   *
*V   0 .Not a legal person number   *
*   .or not in universe based on*
*   .response to TM8530   *
*V   101 - 124 .Person number   *
*V   180 - 199 .Person number   *
*V   201 - 224 .Person number   *
*V   280 - 299 .Person number   *
*V   301 - 324 .Person number   *
*V   380 - 399 .Person number   *
*V   401 - 424 .Person number   *
*V   480 - 499 .Person number   *
*V   501 - 524 .Person number   *
*V   580 - 599 .Person number   *
*V   601 - 624 .Person number   *
*V   680 - 699 .Person number   *
*V   701 - 724 .Person number   *
*V   780 - 799 .Person number   *
****

D TM8532   3   323
    Person number
U Reference persons living in housing
  unit that is owned or being bought

D TM8534   3   326
    Person number
U Reference persons living in housing
  unit that is owned or being bought

D TM8536   3   329
    Person number
U Reference persons living in housing
  unit that is owned or being bought

D TM8538   6   332
    How much was this household's rent/
    mortgage payment last month
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash
V   -00003 .None
V   000000 .Not applicable
V   1-001500 .Dollar amount

TM8540   6   338
    How much did this household pay for
    electricity, gas, and other utilities
    last month?
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash
V   000000 .Not applicable
V   1-000400 .Amount of utilities
V   -00003 .None

D TM8542   1   344
    Check Item T10
    Composition of household
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash
V   0 .Not applicable
V   1 .One person household - skip to
V   .TM8560
V   2 .Married-couple household, no
V   .other person 18 or older - skip
V   .to TM8560
V   3 .Single parent household, no
V   .other person 18 or older - skip
V   .to TM8560
V   4 .Other composition

D TM8544   1   345
    Did more than one of the persons living
    here pay for the (rent/mortgage) payment
    and utilities last month?
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash and household composition reported
  as other
V   0 .Not applicable
V   1 .Yes - skip to TM8548
V   2 .No

D TM8546   3   346
    Which person paid?
U Reference persons living in housing unit
  where household composition was reported as
  other and only one person paid rent/
  mortgage payment last month
V   000-799 .Person number - skip to TM8560
V   999 .No rent/mortgage or utilities
V   .to be paid by anyone

DATA   SIZE BEGIN

```
**********************************************
*  The next two questions refer to person 1  *
**********************************************
```

D TM8548   3   349
      Person number
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash

D TM8554   6   352
      How much did this person pay
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash
V   000000 .Not applicable
V 1 - 000650 .Amount paid

```
**********************************************
*  The next two questions refer to person 2  *
**********************************************
```

D TM8550   3   358
      Person number
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash

D TM8556   6   361
      How much did this person pay
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash
V   000000 .Not applicable
V   1-000650 .Amount paid

```
**********************************************
*  The next two questions refer to person 3  *
**********************************************
```

D TM8552   3   367
      Person number
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash

D TM8558   6   370
      How much did this person pay
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash -
V   000000 .Not applicable
V   1-000650 .Amount paid

D TM8560   1   376
      Check Item T11
      Number of persons in household
U Reference persons living in housing
  unit that is owned or being bought or rented
  for cash
V   0 .Not applicable
          1 .One - skip to TM8658
V   2 .Two or more

D TM8562   1   377
      Last month, did anyone here pay for the
      care of a child or a disabled person so
      that a household member could work,
      attend training, or look for a job?

DATA   SIZE BEGIN

U Reference persons living in housing
  unit with two or more persons that is owned
  or being bought or rented for cash
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8658

D TM8564   6   378
      What was the total cost of these care
      arrangements for the month of (last
      month)?
U Persons in households that paid for care of
  child or disabled person last month so
  household member could work, attend train-
  ing, or look for a job
V   000000 .Not applicaable
V   1-000700 .Total cost of care

D TM8658   1   384
      Check item T12
      Is this residence in a public
      housing project, is it subsidized,
      or is it neither public nor subsidized
U Persons in households that paid for care of
  child or disabled person last month so
  household member could work, attend train-
  ing, or look for a job
V   0 .Not applicable
V   1 .In a public housing project
            .- skip to TM8714
V   2 .Subsidized - skip to TM8714
V   3 .Neither public nor subsidized

D TM8660   2   385
      Do you or anyone in this household
      own any (other) real estate, such
      as a vacation home or undeveloped
      lot
U Reference persons with residence that is
  neither public nor subsidized
V   00 .Not applicable
V   01 .Yes
V   02 .No - skip to TM8714

D TM8662   3   387
      Which person in this household is
      the first owner of this   .
      (these)property(ies)
U Reference persons with residence that is
  neither public nor subsidized who own other
  real estate
V   000 .Not applicable
V 101 - 124 .Person number
V 180 - 199 .Person number
V 201 - 224 .Person number
V 280 - 299 .Person number
V 301 - 324 .Person number
V 380 - 399 .Person number
V 401 - 424 .Person number
V 480 - 499 .Person number
V 501 - 524 .Person number
V 580 - 599 .Person number
V 601 - 624 .Person number
V 680 - 699 .Person number
V 701 - 724 .Person number
V 780 - 799 .Person number

DATA   SIZE BEGIN

D TM8664   3   390
      Which person in this household is
      the second owner of this (these)
      property(ies)
U Reference persons living in residence that
  is neither public nor subsidized and own
  other real estate
V   000 .Not applicable
V 101 - 124 .Person number
V 180 - 199 .Person number
V 201 - 224 .Person number
V 280 - 299 .Person number
V 301 - 324 .Person number
V 380 - 399 .Person number
V 401 - 424 .Person number
V 480 - 499 .Person number
V 501 - 524 .Person number
V 580 - 599 .Person number
V 601 - 624 .Person number
V 680 - 699 .Person number
V 701 - 724 .Person number
V 780 - 799 .Person number

D TM8666   6   393
      What is the total value of... equity
      in this (these) property(ies)
U Reference persons living in residence that
  is neither public nor subsidized and own
  other real estate
V   000000 .Not applicable
V 3 - 200000 .Total amount

D TM8714   1   399
      Does anyone in this household own a
      car, van, or truck, excluding
      recreational vehicles (rv's) and
      motorcycles
U Reference persons living in residence that
  is neither public nor subsidized and own
  other real estate
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8770

D TM8716   2   400
      How many cars, trucks, or vans are
      owned by members of this household
U Reference persons living in residence that
  is neither public nor subsidized and own
  other real estate
V   00 .Not applicable
V   01 - 99 .Number of motor vehicles

```
*******************************************
* COMMENT                                  *
* The next 7 fields (TM8718 through        *
* TM8766) are related to motor vehicle one *
*                                          *
* The next 2 fields are person number(s)   *
* of the owner(s) of the newest motor      *
* vehicle                                  *
*                                          *
* V        000 .Not a legal person number  *
* V            .or not applicable based     *
* V            .on response to TM8716       *
* V  101 - 124 .Person number              *
* V  180 - 199 .Person number              *
* V  201 - 224 .Person number              *
* V  280 - 299 .Person number              *
* V  301 - 324 .Person number              *
```

DATA   SIZE BEGIN

```
* V  380 - 399 .Person number              *
* V  401 - 424 .Person number              *
* V  480 - 499 .Person number              *
* V  501 - 524 .Person number              *
* V  580 - 599 .Person number              *
* V  601 - 624 .Person number              *
* V  680 - 699 .Person number              *
* V  701 - 724 .Person number              *
* V  780 - 799 .Person number              *
*******************************************
```

D TM8718   3   402
      First person number
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 1)

D TM8724   3   405
      Second person number
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 1)

D TM8730   4   408
      What is the year of this vehicle
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 1)
V   0000 .Not applicable
V 1979-1992 .Year

D FILLER   4   412
      Blank filler

D TM8754   2   416
      Is this vehicle owned free and clear,
      or is there still money owed on it
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 1)
V   00 .Not applicable
V   01 .Money owed
V   02 .Free and clear - skip to TM8766

D TM8760   6   418
      How much is currently owed for this
      vehicle
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 1)
V   000000 .Not applicable
V 1-022000 .Total amount

D TM8763   1   424
      Is this vehicle used primarily for either
      business purposes or for the transporta-
      tion of a disabled person
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 1)
V   0 .Not applicable
V   1 .Yes
V   2 .No

DATA   SIZE BEGIN

D TM8766   1   425
     Check item T18
     Is there another vehicle which
     has not been asked about
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 1)
V   0 .Not applicable
V   1 .Yes - skip to TM8720 for
V   .vehicle 2
V   2 .No - skip to TM8770

```
*******************************************
*  COMMENT                                *
*  The next 7 fields (TM8720 through      *
*  TM8768) are related to motor vehicle   *
*  two.                                   *
*                                         *
*  The next 2 fields are person number(s) *
*  of owner(s) of the next newest motor   *
*  vehicle                                *
*  V        000 .Not a legal person number*
*               .or not applicable based  *
*               .on response to TM8716    *
*  V  101 - 124 .Person number            *
*  V  180 - 199 .Person number            *
*  V  201 - 224 .Person number            *
*  V  280 - 299 .Person number            *
*  V  301 - 324 .Person number            *
*  V  380 - 399 .Person number            *
*  V  401 - 424 .Person number            *
*  V  480 - 499 .Person number            *
*  V  501 - 524 .Person number            *
*  V  580 - 599 .Person number            *
*  V  601 - 624 .Person number            *
*  V  680 - 699 .Person number            *
*  V  701 - 724 .Person number            *
*  V  780 - 799 .Person number            *
*******************************************
```

D TM8720   3   426
     First person number
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 2)

D TM8726   3   429
     Second person number
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 2)

D TM8732   4   432
     What is the year of this vehicle
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 2)
V   0000 .Not applicable
V 1979-1992 .Year

D FILLER   4   436
     Blank filler

D TM8756   2   440
     Is this vehicle owned free and clear,
     or is there still money owed on it
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 2)

DATA   SIZE BEGIN

V   00 .Not applicable
V   01 .Money owed
V   02 .Free and clear - skip to TM8768

D TM8761   6   442
     How much is currently owed for
     this vehicle
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 2)
V   000000 .Not applicable
V 1-022000 .Total amount

D TM8764   1   448
     Is this vehicle used primarily for either
     business purposes or for the transporta-
     tion of a disabled person
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 2)
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8768   1   449
     Is there another vehicle which has
     not been asked about
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 2)
V   0 .Not applicable
V   1 .Yes - skip to TM8722 for
V   .vehicle 3
V   2 .No - skip to TM8770

```
*********************************************
*  COMMENT                                  *
*  THE next 6 fields (TM8722 through        *
*  TM8764) are related to motor             *
*  vehicle three                            *
*                                           *
*  The next 2 fields are person number(s)   *
*  of the owner(s) of the third newest      *
*  motor vehicle                            *
*                                           *
*  V        000 .Not a legal person number  *
*  V            .or not applicable based     *
*  V            .on response to TM8716      *
*  V  101 - 124 .Person number              *
*  V  180 - 199 .Person number              *
*  V  201 - 224 .Person number              *
*  V  280 - 299 .Person number              *
*  V  301 - 324 .Person number              *
*  V  380 - 399 .Person number              *
*  V  401 - 424 .Person number              *
*  V  480 - 499 .Person number              *
*  V  501 - 524 .Person number              *
*  V  580 - 599 .Person number              *
*  V  601 - 624 .Person number              *
*  V  680 - 699 .Person number              *
*  V  701 - 724 .Person number              *
*  V  780 - 799 .Person number              *
*********************************************
```

D TM8722   3   450
     First person number
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 3)

DATA   SIZE BEGIN

D TM8728   3   453
     Second person number
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 3)

D TM8734   4   456
     What is the year of this vehicle
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 3)
V   0000 .Not applicable
V 1979-1992 .Year

D FILLER   4   460
     Office use only

D TM8758   2   464
     Is this vehicle owned free and clear
     or is there still money owed on it
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 3)
V   00 .Not applicable
V   01 .Money owed
V   02 .Free and clear - skip to TM8770

D TM8762   6   466
     How much is currently owed for this
     vehicle
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 3)
V   000000 .Not applicable
V 1-022000 .Total amount

D TM8765   1   472
     Is this vehicle used primarily for either
     business purposes or for the transporta-
     tion of a disabled person
U Reference persons living in residence that
  is neither public nor subsidized who own a
  car, van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 3)
V   0 .Not applicable
V   1 .Yes
V   2 .No

****
* COMMENT   *
* The next 5 fields (TM8770 through   *
* TM8778) are possible answers to the   *
* question: *
*   *
* Does anyone in this household own   *
* another kind of vehicle, not used for   *
* any business, such as a boat, motorcycle *
* or recreational vehicle   *
*   *
* In each case the range of answers is: *
*   *
* V   0 .Not marked as a kind of   *
*   .vehicle or not applicable   *
* V   1 .Marked as a kind of   *
*   .vehicle   *
****

DATA   SIZE BEGIN

D TM8770   1   473
     Motorcycle
U Reference persons living in residence that
  is neither public nor subsidized who own
  another kind of vehicle not used for any
  business

D TM8772   1   474
     Boat
U Reference persons living in residence that
  is neither public nor subsidized who own
  another kind of vehicle not used for any
  business

D TM8774   1   475
     Recreational vehicle (RV)
U Reference persons living in residence that
  is neither public nor subsidized who own
  another kind of vehicle not used for any
  business

D TM8776   1   476
     Other
U Reference persons living in residence that
  is neither public nor subsidized who own
  another kind of vehicle not used for any
  business

D TM8778   1   477
     No other vehicle owned - skip to SC4800
U Reference persons living in residence that
  is neither public nor subsidized who own
  another kind of vehicle not used for any
  business

****
* COMMENT   *
* The next 5 fields (TM8780 through   *
* TM8800) are related to motor vehicle   *
* one   *
****

****
* COMMENT   *
* The next 2 fields are person number(s)   *
* for motor vehicle owner(s)   *
****

D TM8780   3   478
     First person number
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 1)
V   000 .Not a legal person number or
V   .not applicable based on
V   .response to TM8770 through
V   .TM8778
V 101 - 124 .Person number
V 180 - 199 .Person number
V 201 - 224 .Person number
V 280 - 299 .Person number
V 301 - 324 .Person number
V 380 - 399 .Person number
V 401 - 424 .Person number
V 480 - 499 .Person number
V 501 - 524 .Person number
V 580 - 599 .Person number
V 601 - 624 .Person number
V 680 - 699 .Person number
V 701 - 724 .Person number
V 780 - 799 .Person number

DATA   SIZE BEGIN

D TM8784   3   481
     Second person number
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 1)
V   000 .Not a legal person number or
V   .not applicable based on response
V   .to TM8770 through TM8778
V 101 - 124 .Person number
V 180 - 199 .Person number
V 201 - 224 .Person number
V 280 - 299 .Person number
V 301 - 324 .Person number
V 380 - 399 .Person number
V 401 - 424 .Person number
V 480 - 499 .Person number
V 501 - 524 .Person number
V 580 - 599 .Person number
V 601 - 624 .Person number
V 680 - 699 .Person number
V 701 - 724 .Person number
V 780 - 799 .Person number

D TM8788   6   484
     If this vehicle were sold, what would
     it sell for in its present condition
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 1)
V   000000 .Not applicable
V   3-024000 .Total amount

D TM8792   2   490
     Is this vehicle owned free and clear
     or is there still money owed on it
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 1)
V   00 .Not applicable
V   01 .Money owed
V   02 .Free and clear - skip to TM8800

D TM8796   6   492
     How much is currently owed for
     this vehicle
U Reference persons living in housing unit
  or mobile home who owe money on another
  kind of vehicle, not used for any
  business, such as a motorcycle, boat or
  RV (Vehicle 1)
V   000000 .Not applicable
V   3-020000 .Total amount

D TM8800   1   498
     Check item T18
     Are there any other vehicles which
     have not been asked about
U Reference persons living in housing unit
  or mobile home who owe money on another
  kind of vehicle, not used for any
  business, such as a motorcycle, boat or
  RV
V   0 .Not applicable
V   1 .Yes - skip to TM8782
V   2 .No - skip to SC4800

DATA   SIZE BEGIN

****
* COMMENT   *
* The next 5 fields (TM8782 through   *
* TM8798) are related to motor vehicle   *
* two   *
****

****
* COMMENT   *
* The next 2 fields are person number(s)*
* for motor vehicle owner(s)   *
****

D TM8782   3   499
     First person number
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 2)
V   000 .Not a legal person number or
V   .not applicable based on response
V   .to TM8770 through TM8778
V 101 - 124 .Person number
V 180 - 199 .Person number
V 201 - 224 .Person number
V 280 - 299 .Person number
V 301 - 324 .Person number
V 380 - 399 .Person number
V 401 - 424 .Person number
V 480 - 499 .Person number
V 501 - 524 .Person number
V 580 - 599 .Person number
V 601 - 624 .Person number
V 680 - 699 .Person number
V 701 - 724 .Person number
V 780 - 799 .Person number

D TM8786   3   502
     Second person number
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 2)
V   000 .Not a legal person number or
V   .not applicable based on response
V   .to TM8770 through TM8778
V 101 - 124 .Person number
V 180 - 199 .Person number
V 201 - 224 .Person number
V 280 - 299 .Person number
V 301 - 324 .Person number
V 380 - 399 .Person number
V 401 - 424 .Person number
V 480 - 499 .Person number
V 501 - 524 .Person number
V 580 - 599 .Person number
V 601 - 624 .Person number
V 680 - 699 .Person number
V 701 - 724 .Person number
V 780 - 799 .Person number

D TM8790   6   505
     If this vehicle were sold, what would
     it sell for in its present condiction
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 2)
V   000000 .Not applicable
V   3-024000 .Total amount

DATA	SIZE	BEGIN

D TM8794   2   511
    Is this vehicle owned free and clear
    or is there still money owed on it
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 2)
V   00 .Not applicable
V   01 .Money owed
V   02 .Free and clear - skip to SC4800

D TM8798   6   513
    How much is currently owed for
    this vehicle
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 2)
V   000000 .Not applicable - skip to SC4800
V 3-011000 .Total amount - skip to SC4800

D TMCARVA1   6   519
    Present car value(s)
    Range = (000001-028000)

D TMCARVA2   6   525
    Present car value(s)
    Range = (000001-028000)

D TMCARVA3   6   531
    Present car value(s)
    Range = (000001-028000)

```
****************************************
*  COMMENT                             *
*  Imputation flags for household.     *
*  The possible answers are:           *
*  V       0 .Not imputed              *
*  V       1 .Imputed                  *
****************************************
```

D IMP8538   1   537
    Topical modules imputation flag
    Imputation of 'TM8538'

D IMP8540   1   538
    Topical modules imputation flag
    Imputation of 'TM8540'

D IMP8544   1   539
    Topical modules imputation flag
    Imputation of 'TM8544'

D IMP8554   1   540
    Topical modules imputation flag
    Imputation of 'TM8554'

D IMP8556   1   541
    Topical modules imputation flag
    Imputation of 'TM8556'

D IMP8558   1   542
    Topical modules imputation flag
    Imputation of 'TM8558'

D IMP8562   1   543
    Topical modules imputation flag
    Imputation of 'TM8562'

D IMP8564   1   544
    Topical modules imputation flag
    Imputation of 'TM8564'

DATA	SIZE	BEGIN

D IMP8660   1   545
    Topical modules imputation flag
    Imputation of 'TM8660'

D IMP8666   1   546
    Topical modules imputation flag
    Imputation of 'TM8666'

D IMP8714   1   547
    Topical modules imputation flag
    Imputation of 'TM8714'

D IMP8716   1   548
    Topical modules imputation flag
    Imputation of 'TM8716'

D IMP8730   1   549
    Topical modules imputation flag
    Imputation of 'TM8730'

D IMP8732   1   550
    Topical modules imputation flag
    Imputation of 'TM8732'

D IMP8734   1   551
    Topical modules imputation flag
    Imputation of 'TM8734'

D IMP8754   1   552
    Topical modules imputation flag
    Imputation of 'TM8754'

D IMP8756   1   553
    Topical modules imputation flag
    Imputation of 'TM8756'

D IMP8758   1   554
    Topical modules imputation flag
    Imputation of 'TM8758'

D IMP8760   1   555
    Topical modules imputation flag
    Imputation of 'TM8760'

D IMP8761   1   556
    Topical modules imputation flag
    Imputation of 'TM8761'

D IMP8762   1   557
    Topical modules imputation flag
    Imputation of 'TM8762'

D IMP8763   1   558
    Topical modules imputation flag
    Imputation of 'TM8763'

D IMP8764   1   559
    Topical modules imputation flag
    Imputation of 'TM8764'

D IMP8765   1   560
    Topical modules imputation flag
    Imputation of 'TM8765

D IMP8770   1   561
    Topical modules imputation flag
    Imputation of 'TM8770'

D IMP8788   1   562
    Topical modules imputation flag
    Imputation of 'TM8788'

DATA	SIZE	BEGIN

D IMP8790   1   563
     Topical modules imputation flag
     Imputation of 'TM8790'

D IMP8792   1   564
     Topical modules imputation flag
     Imputation of 'TM8792'

D IMP8794   1   565
     Topical modules imputation flag
     Imputation of 'TM8794'

D IMP8796   1   566
     Topical modules imputation flag
     Imputation of 'TM8796'

D IMP8798   1   567
     Topical modules imputation flag
     Imputation of 'TM8798'

```
**********************************************
*  COMMENT                                    *
*  Calculation flag for topical modules       *
*  household record                           *
*  The possible answers are :                 *
*                                             *
*         0 .Not calculated                   *
*         1 .Calculated                       *
**********************************************
```

D CAL8532   1   568
     Topical modules calculation flag
     Calcuation of 'TM8532'

D CAL8534   1   569
     Topical modules calculation flag
     Calculation of 'TM8534'

D CAL8536   1   570
     Topical modules calculation flag
     Calculation of 'TM8536'

D CAL8662   1   571
     Topical modules calculation flag
     Calculation of 'TM8662'

D CAL8664   1   572
     Topical modules calculation flag
     Calculation of 'TM8664'

D CAL8716   1   573
     Topical modules calculation flag
     Calculation of 'TM8716'

D CAL8718   1   574
     Topical modules calculation flag
     Calculation of 'TM8718'

D CAL8720   1   575
     Topical modules calculation flag
     Calculation of 'TM8720'

DATA	SIZE	BEGIN

D CAL8722   1   576
     Topical modules calculation flag
     Calculation of 'TM8722'

D CAL8724   1   577
     Topical modules calculation flag
     Calculation of 'TM8724'

D CAL8726   1   578
     Topical modules calculation flag
     Calculation of 'TM8726'

D CAL8728   1   579
     Topical modules calculation flag
     Calculation of 'TM8728'

D CAL8748   1   580
     Topical modules calculation flag
     Calculation of 'TM8748'

D CAL8750   1   581
     Topical modules calculation flag
     Calculation of 'TM8750'

D CAL8752   1   582
     Topical modules calculation flag
     Calculation of 'TM8752'

D CALCAR1   1   583
     Topical modules calculation flag
     Calculation of 'TMCARVA1'

D CALCAR2   1   584
     Topical modules calculation flag
     Calculation of 'TMCARVA2'

D CALCAR3   1   585
     Topical modules calculation flag
     Calculation of 'TMCARVA3'

D CAL8780   1   586
     Topical modules calculation flag
     Calculation of 'TM8780'

D CAL8782   1   587
     Topical modules calculation flag
     Calculation of 'TM8782'

D CAL8784   1   588
     Topical modules calculation flag
     Calculation of 'TM8784'

D CAL8786   1   589
     Topical modules calculation flag
     Calculation of 'TM8786'

D FILLER   3   590
     Blank fields

SOURCE AND ACCURACY STATEMENT FOR THE 1991
PUBLIC USE FILES FROM THE SURVEY OF
INCOME AND PROGRAM PARTICIPATION

SOURCE OF DATA

The data were collected in the 1991 panel of the Survey of Income and Program Participation (SIPP). The SIPP universe is the noninstitutionalized resident population living in the United States. The population includes persons living in group quarters, such as dormitories, rooming houses, and religious group dwellings. Crew members of merchant vessels, Armed Forces personnel living in military barracks, and institutionalized persons, such as correctional facility inmates and nursing home residents, were not eligible to be in the survey. Also, United States citizens residing abroad were not eligible to be in the survey. Foreign visitors who work or attend school in this country and their families were eligible; all others were not eligible to be in the survey. With the exceptions noted above, persons who were at least 15 years of age at the time of the interview were eligible to be in the survey.

The 1991 panel of the SIPP sample is located in 230 Primary Sampling Units (PSUs) each consisting of a county or a group of contiguous counties. Within these PSUs, expected clusters of two living quarters (LQs) were systematically selected from lists of addresses prepared for the 1980 decennial census to form the bulk of the sample. To account for LQs built within each of the sample areas after the 1980 census, a sample containing clusters of four LQs was drawn of permits issued for construction of residential LQs up until shortly before the beginning of the panel.

In jurisdictions that don't issue building permits or have incomplete addresses, small land areas were sampled and expected clusters of four LQs within were listed by field personnel and then subsampled. In addition, sample LQs were selected from a supplemental frame that included LQs identified as missed in the 1980 census.

Approximately 19,300 living quarters were originally designated for the 1991 panel. For Wave 1 of the panel, interviews were obtained from occupants of about 14,300 of the 19,300 designated living quarters. Most of the remaining 5,000 living quarters in the panel were found to be vacant, demolished, converted to nonresidential use, or otherwise ineligible for the survey. However, approximately 1,300 of the 5,000 living quarters in the panel were not interviewed because the occupants refused to be interviewed, could not be found at home, were temporarily absent, or were otherwise unavailable. Thus, occupants of about 92 percent of all eligible living quarters participated in the first interview of the panel.

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For subsequent interviews, only original sample persons (those in Wave 1 sample households and interviewed in Wave 1) and persons living with them were eligible to be interviewed. Original sample persons were followed if they moved to a new address, unless the new address was more than 100 miles from a SIPP sample area. Then, telephone interviews were attempted.

Sample households within a given panel are divided into four subsamples of nearly equal size. These subsamples are called rotation groups 1, 2, 3, or 4 and one rotation group is interviewed each month. Each household in the sample was scheduled to be interviewed at 4 month intervals over a period of roughly 2 years beginning in February 1991. The reference period for the questions is the 4-month period preceding the interview month. In general, one cycle of four interviews covering the entire sample, using the same questionnaire, is called a wave.

A unique feature of the SIPP design is overlapping panels. The overlapping design allows panels to be combined and essentially doubles the sample sizes. Selected interviews for the 1991 panels can be combined with interviews from the 1990 panels. Information necessary to do this is included later in this statement.

The public use files include core and supplemental (topical module) data. Core questions are repeated at each interview over the life of the panel. Topical modules include questions which are asked only in certain waves. The 1991 and 1990 panel topical modules are given in tables 1 and 2 respectively.

Tables 3 and 4 indicate the reference months and interview months for the collection of data from each rotation group for the 1991 and 1990 panels respectively. For example, Wave 1 rotation group 2 of the 1991 panel was interviewed in February 1991 and data for the reference months October 1990 through January 1991 were collected.

Estimation. The estimation procedure used to derive SIPP person weights involved several stages of weight adjustments. In the first wave, each person received a base weight equal to the inverse of his/her probability of selection. For each subsequent interview, each person received a base weight that accounted for the following movers.

A noninterview factor was applied to the weight of every occupant of interviewed households to account for persons in noninterviewed occupied households which were eligible for the sample. (Individual nonresponse within partially interviewed households was treated with imputation. No special adjustment was made for noninterviews in group quarters.)

A factor was applied to each interviewed person's weight to account for the SIPP sample areas not having the same population distribution as the strata from which they were selected.

The Bureau has used complex techniques to adjust the weights for
nonresponse. For a further explanation of the techniques used,
see the Nonresponse Adjustment Methods for Demographic Surveys at
the U.S. Bureau of the Census, November 1988, Working paper 8823,
by R. Singh and R. Petroni. The success of these techniques in
avoiding bias is unknown. An example of successfully avoiding
bias can be found in "Current Nonresponse Research for the Survey
of Income and Program Participation" (paper by Petroni, presented
at the Second International Workshop on Household Survey
Nonresponse, October 1991).

An additional stage of adjustment to persons' weights was
performed to reduce the mean square errors of the survey
estimates. This was accomplished by ratio adjusting the sample
estimates to agree with monthly Current Population Survey (CPS)
type estimates of the civilian (and some military)
noninstitutional population of the United States by demographic
characteristics including age, race, and sex as of the specified
date. The CPS estimates by age, race, and sex were themselves
brought into agreement with estimates from the 1980 decennial
census which have been adjusted to reflect births, deaths,
immigration, emigration, and changes in the Armed Forces since
1980. In addition, SIPP estimates were controlled to independent
Hispanic controls and an adjustment was made so that husbands and
wives within the same household were assigned equal weights. All
of the above adjustments are implemented for each reference month
and the interview month.

Use of Weights. Each household and each person within each
household on each wave tape has five weights. Four of these
weights are reference month specific and therefore can be used
only to form reference month estimates. Reference month
estimates can be averaged to form estimates of monthly averages
over some period of time. For example, using the proper weights,
one can estimate the monthly average number of households in a
specified income range over November and December 1991. To
estimate monthly averages of a given measure (e.g., total, mean)
over a number of consecutive months, sum the monthly estimates
and divide by the number of months.

The remaining weight is interview month specific. This weight
can be used to form estimates that specifically refer to the
interview month (e.g., total persons currently looking for work),
as well as estimates referring to the time period including the
interview month and all previous months (e.g., total persons who
have ever served in the military).

To form an estimate for a particular month, use the reference
month weight for the month of interest, summing over all persons
or households with the characteristic of interest whose reference
period includes the month of interest. Multiply the sum by a
factor to account for the number of rotations contributing data

for the month. This factor equals four divided by the number of
rotations contributing data for the month. For example, December
1990 data is only available from rotations 2, 3, and 4 for Wave 1
of the 1991 panel (See table 3), so a factor of 4/3 must be
applied. To form an estimate for an interview month, use the
procedure discussed above using the interview month weight
provided on the file.

When estimates for months with four rotations worth of data are
constructed from a wave file, factors greater than 1 must be
applied. However, when core data from consecutive waves are used
together, data from all four rotations may be available, in which
case the factors are equal to 1.

These tapes contain no weight for characteristics that involve a
persons's or household's status over two or more months (e.g.,
number of households with a 50 percent increase in income between
November and December 1990).

Producing Estimates for Census Regions and States. The total
estimate for a region is the sum of the state estimates in that
region. Using this sample, estimates for individual states are
subject to very high variance and are not recommended. The state
codes on the file are primarily of use for linking respondent
characteristics with appropriate contextual variables (e.g.,
state-specific welfare criteria) and for tabulating data by user-
defined groupings of states.

Producing Estimates for the Metropolitan Population. For
Washington, DC and 11 states, metropolitan or non-metropolitan
residence is identified (variable H*-METRO). In 34 additional
states, where the non-metropolitan population in the sample was
small enough to present a disclosure risk, a fraction of the
metropolitan sample was recoded to be indistinguishable from non-
metropolitan cases (H*-METRO=2). In these states, therefore, the
cases coded as metropolitan (H*-METRO=1) represent only a
subsample of that population.

In producing state estimates for a metropolitan characteristic,
multiply the individual, family, or household weights by the
metropolitan inflation factor for that state, presented in table
5. (This inflation factor compensates for the subsampling of the
metropolitan population and is 1.0 for the states with complete
identification of the metropolitan population.)

The same procedure applies when creating estimates for particular
identified MSA's or CMSA's--apply the factor appropriate to the
state. For multi-state MSA's, use the factor appropriate to each
state part. For example, to tabulate data for the Washington,
DC-MD-VA MSA, apply the Virginia factor of 1.0521 to weights for
residents of the Virginia part of the MSA; Maryland and DC

residents require no modification to the weights (i.e., their factors equal 1.0).

In producing regional or national estimates of the metropolitan population, it is also necessary to compensate for the fact that no metropolitan subsample is identified within two states (Mississippi and West Virginia) and one state-group (North Dakota - South Dakota - Iowa). Thus, factors in the right-hand column of table 5 should be used for regional and national estimates. The results of regional and national tabulations of the metropolitan population will be biased slightly. However, less than one-half of one percent of the metropolitan population is not represented.

Producing Estimates for the Non-Metropolitan Population. State, regional, and national estimates of the non-metropolitan population cannot be computed directly, except for Washington, DC and the 11 states where the factor for state tabulations in table 5 is 1.0. In all other states, the cases identified as not in the metropolitan subsample (METRO=2) are a mixture of non-metropolitan and metropolitan households. Only an indirect method of estimation is available: first compute an estimate for the total population, then subtract the estimates for the metropolitan population. The results of these tabulations will be slightly biased.

Combined Panel Estimates. Both the 1991 and 1990 panels provide data for October 1990-August 1992. Thus, estimates for these time periods may be obtained by combining the corresponding panels. However, since the Wave 1 questionnaire differs from the subsequent waves' questionnaire and since there were some procedural changes between the 1990 and 1991 panels, we recommend that estimates not be obtained by combining Wave 1 data of the 1991 panel with data from another panel. In this case, use the estimate obtained from either panel. Additionally, even for other waves, care should be taken when combining data from two panels since questionnaires for the two panels differ somewhat and since the length of time in sample for interviews from the two panels differ.

Combined panel estimates may be obtained either (1) by combining estimates derived separately for the two panels or (2) by first combining data from the two files and then producing an estimate.

1.   Combining Separate Estimates

    Corresponding estimates from two consecutive year panels can be combined to create joint estimates by using the formula

$$\hat{\vartheta} = W\hat{\vartheta}_1 + (1-W)\hat{\vartheta}_2 \tag{A}$$

$\hat{\vartheta}$ = joint estimate (total, mean, proportion, etc);

$\hat{\vartheta}_1$ = estimate from the earlier panel;

$\hat{\vartheta}_2$ = estimate from the later panel;

W = weighting factor of the earlier panel.

To combine the 1990 and 1991 panels use a W value of 0.613 unless one of the panels contributes no information to the estimate. In that case, the panel contributing information receives a factor of 1. The other receives a factor of zero.

2. Combining Data from Separate Files

Start by first creating a file containing the data from the two panel files. Apply the weighting factor, W, to the weight of each person from the earlier panel and apply (1-W) to the weight of each person from the later panel. Estimates can then be produced using the same methodology as used to obtain estimates from a single panel.

Illustration for computing combined panel estimate.

Suppose SIPP estimates for Wave 5, 1990 panel show there were 441,000 households with monthly December income above $6,000. Also, suppose SIPP estimates for Wave 2, 1991 panel show there were 435,000 households with monthly December income above $6,000. Using formula (A), the joint level estimate is

$$\hat{\vartheta} = (0.613)(441,000) + (0.387)(435,000) = 439,000$$

ACCURACY OF ESTIMATES

SIPP estimates are based on a sample; they may differ somewhat from the figures that would have been obtained if a complete

census had been taken using the same questionnaire, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey: nonsampling and sampling. We are able to provide estimates of the magnitude of SIPP sampling error, but this is not true of nonsampling error. Found in the next sections are descriptions of sources of SIPP nonsampling error, followed by a discussion of sampling error, its estimation, and its use in data analysis.

Nonsampling Variability. Nonsampling errors can be attributed to many sources, e.g., inability to obtain information about all cases in the sample; definitional difficulties; differences in the interpretation of questions; inability or unwillingness on the part of the respondents to provide correct information; inability to recall information, errors made in the following: collection such as in recording or coding the data, processing the data, estimating values for missing data; biases resulting from the differing recall periods caused by the interviewing pattern used; and undercoverage. Quality control and edit procedures were used to reduce errors made by respondents, coders and interviewers. More detailed discussions of the existence and control of nonsampling errors in the SIPP can be found in the <u>SIPP Quality Profile.</u>

Undercoverage in SIPP results from missed living quarters and missed persons within sample households. It is known that undercoverage varies with age, race, and sex. Generally, undercoverage is larger for males than for females and larger for Blacks than for nonBlacks. Ratio estimation to independent age-race-sex population controls partially corrects for the bias due to survey undercoverage. However, biases exist in the estimates to the extent that persons in missed households or missed persons in interviewed households have characteristics different from those of interviewed persons in the same age-race-sex group. Further, the independent population controls used have not been adjusted for undercoverage in the Census.

Comparability with Other Estimates. Caution should be exercised when comparing data from this report with data from other SIPP publications or with data from other surveys. The comparability problems are caused by such sources as the seasonal patterns for many characteristics, different nonsampling errors, and different concepts and procedures. Refer to the <u>SIPP Quality Profile</u> for known differences with data from other sources and further discussion.

Sampling Variability. Standard errors indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration, but do not measure any systematic biases in the data. The standard errors for the most part measure the variations that occurred by chance because a sample rather than the entire population was surveyed.

USES AND COMPUTATION OF STANDARD ERRORS

Confidence Intervals. The sample estimate and its standard error enable one to construct confidence intervals, ranges that would include the average result of all possible samples with a known probability. For example, if all possible samples were selected, each of these being surveyed under essentially the same conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then:

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

2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.

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

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

Hypothesis Testing. Standard errors may also be used for hypothesis testing, a procedure for distinguishing between population characteristics using sample estimates. The most common types of hypotheses tested are 1) the population characteristics are identical versus 2) they are different. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the characteristics are different when, in fact, they are identical.

To perform the most common test, compute the difference $X_A - X_B$, where X_A and X_B are sample estimates of the characteristics of interest. A later section explains how to derive an estimate of the standard error of the difference $X_A - X_B$. Let that standard error be s_{DIFF}. If $X_A - X_B$ is between -1.6 times s_{DIFF} and +1.6 times s_{DIFF}, no conclusion about the characteristics is justified at the 10 percent significance level. If, on the other hand, $X_A - X_B$ is smaller than -1.6 times s_{DIFF} or larger than +1.6 times s_{DIFF}, the observed difference is significant at the 10 percent level. In this event, it is commonly accepted practice to say that the characteristics are different. Of course, sometimes

this conclusion will be wrong. When the characteristics are, in fact, the same, there is a 10 percent chance of concluding that they are different.

Note that as more tests are performed, more erroneous significant differences will occur. For example, at the 10 percent significance level, if 100 independent hypothesis tests are performed in which there are no real differences, it is likely that about 10 erroneous differences will occur. Therefore, the significance of any single test should be interpreted cautiously.

Note Concerning Small Estimates and Small Differences. Because of the large standard errors involved, there is little chance that estimates will reveal useful information when computed on a base smaller than 200,000. Care must be taken in the interpretation of small differences since even a small amount of nonsampling error can cause a borderline difference to appear significant or not, thus distorting a seemingly valid hypothesis test.

Standard Error Parameters and Tables and Their Use. Most SIPP estimates have greater standard errors than those obtained through a simple random sample because clusters of living quarters are sampled for the SIPP. To derive standard errors that would be applicable to a wide variety of estimates and could be prepared at a moderate cost, a number of approximations were required. Estimates with similar standard error behavior were grouped together and two parameters (denoted "a" and "b") were developed to approximate the standard error behavior of each group of estimates. Because the actual standard error behavior was not identical for all estimates within a group, the standard errors computed from these parameters provide an indication of the order of magnitude of the standard error for any specific estimate. These "a" and "b" parameters vary by characteristic and by demographic subgroup to which the estimate applies. Table 6 provides base "a" and "b" parameters to be used for the 1991 panel estimates.

The factors provided in table 7 when multiplied by the base parameters of table 6 for a given subgroup and type of estimate give the "a" and "b" parameters for that subgroup and estimate type for the specified reference period. For example, the base "a" and "b" parameters for total number of households are -0.0001005 and 9,286, respectively. For Wave 1 the factor for October 1990 is 4 since only 1 rotation month of data is available. So, the "a" and "b" parameters for total household income in October 1990 based on Wave 1 are -0.0004020 and 37,144, respectively. Also for Wave 1, the factor for the first quarter of 1991 is 1.2222 since 9 rotation months of data are available (rotations 1 and 4 provide 3 rotations months each, while rotations 2 and 3 provide 1 and 2 rotation months, respectively). So the "a" and "b" parameters for total number of households in

the first quarter of 1991 are -0.0001228 and 11,349, respectively for Wave 1.

The "a" and "b" parameters may be used to calculate the standard error for estimated numbers and percentages. Because the actual standard error behavior was not identical for all estimates within a group, the standard errors computed from these parameters provide an indication of the order of magnitude of the standard error for any specific estimate. Methods for using these parameter for computation of approximate standard errors are given in the following sections.

For those users who wish further simplification, we have also provided general standard errors in tables 8 through 11. Note that these standard errors only apply when data from all four rotations are used and must be adjusted by a factor from table 6. The standard errors resulting from this simplified approach are less accurate. Methods for using these parameters and tables for computation of standard errors are given in the following sections.

For the 1990, 1991 combined panel parameters, multiply the parameters in table 6 by the appropriate factor from table 15. The factors provided in table 16 adjust parameters for the number of rotation months available for a given estimate. These factors, when multiplied by the combined panel parameters derived from table 6 for a given subgroup and type of estimate, give the "a" and "b" parameters for that subgroup and estimate type for the specified combined reference period.

Table 12 provides base "a" and "b" parameters for calculating 1991 topical module variances. Table 13 provides base "a" and "b" parameters for computing the 1990, 1991 combined panel topical module variances.

Procedures for calculating standard errors for the types of estimates most commonly used are described below. Note specifically that these procedures apply only to reference month estimates or averages of reference month estimates. Refer to the section "Use of Weights" for a more detailed discussion of the construction of estimates. Stratum codes and half sample codes are included on the tapes to enable the user to compute the variances directly by methods such as balanced repeated replications (BRR). William G. Cochran provides a list of references discussing the application of this technique. (See Sampling Techniques, 3rd Ed., New York: John Wiley and Sons, 1977, p. 321.)

Standard errors of estimated numbers. The approximate standard error, s_x, of an estimated number of persons, households, families, unrelated individuals and so forth, can be obtained in

two ways. Both apply when data from all four rotations are used
to make the estimate. However, only the second method should be
used when less than four rotations of data are available for the
estimate. Note that neither method should be applied to dollar
values.

The standard error may be obtained by the use of the formula

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

where f is the appropriate "f" factor from table 6, and s is the
standard error on the estimate obtained by interpolation from
table 8 or 9. Alternatively, s_x may be approximated by the
formula

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

from which the standard errors in tables 8 and 9 were calculated.
Here x is the size of the estimate and "a" and "b" are the
parameters associated with the particular type of characteristic
being estimated. Use of formula 2 will provide more accurate
results than the use of formula 1.

Illustration.

Suppose SIPP estimates for Wave 1 of the 1991 panel show that
there were 472,000 households with monthly household income above
$6,000. The appropriate parameters and factor from table 6 and
the appropriate general standard error from table 8 are

   a = -0.0001005   b = 9,286   f = 1.00   s = 66,000

Using formula 1, the approximate standard error is

   s_x = 66,000

Using formula 2, the approximate standard error is

$$\sqrt{(-0.0001005)(472,000)^2 + (9,286)(472,000)} = 66,000$$

Using the standard error based on formula 2, the approximate 90-
percent confidence interval as shown by the data is from 366,000
to 578,000. Therefore, a conclusion that the average estimate
derived from all possible samples lies within a range computed in
this way would be correct for roughly 90% of all samples.

<u>Illustration for computing standard errors for combined panel estimates.</u>

Suppose the combined SIPP estimate for total number of households for Wave 5, 1990 panel and Wave 2, 1991 panel was 92,398,000. The combined panel parameters for total households are obtained by multiplying the appropriate "a" and "b" values from table 6 by the appropriate factors from tables 15 and 16. The 1991 parameters and factors are a = -0.0001005, b = 9,286, g = 0.4163 and factor = 1.0000, respectively. Thus, the combined panel parameters are a = -0.0000418 and b = 3,866. Using formula 2, the approximate standard error is

$$S = \sqrt{(-0.0000418)(92,398,000)^2 + (3866)(92,398,000)} = 19,000$$

Standard Error of a Mean. A mean is defined here to be the average quantity of some item (other than persons, families, or households) per person, family or household. For example, it could be the average monthly household income of females age 25 to 34. The standard error of a mean can be approximated by formula 3 below. Because of the approximations used in developing formula 3, an estimate of the standard error of the mean obtained from this formula will generally underestimate the true standard error. The formula used to estimate the standard error of a mean $\bar{x}$ is

$$s_{\bar{x}} = \sqrt{\left(\frac{b}{y}\right)s^2} \qquad\qquad (3)$$

where y is the size of the base, s^2 is the estimated population variance of the item and b is the parameter associated with the particular type of item.

The population variance s^2 may be estimated by one of two methods. In both methods we assume x_i is the value of the item for unit i. (Unit may be person, family, or household). To use the first method, the range of values for the item is divided into c intervals. The upper and lower boundaries of interval j are Z_{j-1} and Z_j, respectively. Each unit is placed into one of c groups such that $Z_{j-1} < x_i \leq Z_j$.

The estimated population variance, s^2, is given by the formula:

$$s^2 = \sum_{j=1}^{c} p_j m_j^2 - \overline{x}^2, \qquad\qquad (4)$$

where p_j is the estimated proportion of units in group j, and $m_j = (Z_{j-1} + Z_j)/2$. The most representative value of the item in group j is assumed to be m_j. If group c is open-ended, i.e., no upper interval boundary exists, then an approximate value for m_c is

$$m_c = \frac{3}{2} Z_{c-1}.$$

The mean, $\overline{x}$ can be obtained using the following formula:

$$\overline{x} = \sum_{j=1}^{c} p_j m_j.$$

In the second method, the estimated population variance is given by

$$s^2 = \frac{\sum_{i=1}^{n} w_i x_i^2}{\sum_{i=1}^{n} w_i} - \overline{x}^2 \, , \qquad\qquad (5)$$

where there are n units with the item of interest and w_i is the final weight for unit i. The mean, $\overline{x}$, can be obtained from the formula

$$\overline{x} = \frac{\sum\limits_{i=1}^{n} W_i x_i}{\sum\limits_{i=1}^{n} W_i} .$$

When forming combined estimates using formula (A) from the section on combined panel estimates, s^2, given by formula (4), should be calculated by forming a distribution for each panel. The range of values for the item will be divided into intervals. Combined estimates for each interval can be obtained using formula (A). Formula (4) can be applied to the

combined distribution. To calculate $\overline{x}$ and s^2 given by formula (5), replace x_i by Wx_i for x_i from the earlier panel and $(1-W)x_i$ for x_i from the later panel.

Illustration.

Suppose that based on Wave 1 data, the distribution of monthly cash income for persons age 25 to 34 during the month of January 1991 is given in table 14.

Using formula 4 and the mean monthly cash income of $2,530 the approximate population variance, s^2, is

$$s^2 = \left(\frac{1,371}{39,851}\right) (150)^2 + \left(\frac{1,651}{39,851}\right) (450)^2 + \ldots\ldots +$$

$$\left(\frac{1,493}{39,851}\right) (9,000)^2 - (2,530)^2 = 3,159,887.$$

Using formula 3, the appropriate base "b" parameter and factor from table 6, the estimated standard error of a mean $\overline{x}$ is

$$s_{\overline{x}} = \sqrt{\left(\frac{7,514}{39,851,000}\right) (3,159,887)} = \$24$$

Standard error of an aggregate. An aggregate is defined to be the total quantity of an item summed over all the units in a

group. The standard error of an aggregate can be approximated using formula 6.

As with the estimate of the standard error of a mean, the estimate of the standard error of an aggregate will generally underestimate the true standard error. Let y be the size of the base, s^2 be the estimated population variance of the item obtained using formula (4) or (5) and b be the parameter associated with the particular type of item. The standard error of an aggregate is:

$$s_x = \sqrt{(b)\ (y)\,s^2} \qquad (6)$$

Standard Errors of Estimated Percentages. The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more, e.g., the percent of people employed is more reliable than the estimated number of people employed. When the numerator and denominator of the percentage have different parameters, use the parameter (and appropriate factor) of the numerator. If proportions are presented instead of percentages, note that the standard error of a proportion is equal to the standard error of the corresponding percentage divided by 100.

There are two types of percentages commonly estimated. The first is the percentage of persons, families or households sharing a particular characteristic such as the percent of persons owning their own home. The second type is the percentage of money or some similar concept held by a particular group of persons or held in a particular form. Examples are the percent of total wealth held by persons with high income and the percent of total income received by persons on welfare.

For the percentage of persons, families, or households, the approximate standard error, $s_{(x,p)}$, of the estimated percentage p can be obtained by the formula

$$s_{(x,p)} = fs \qquad (7)$$

when data from all four rotations are used to estimate p.

In this formula, f is the appropriate "f" factor from table 6 and s is the standard error of the estimate from table 10 or 11.

Alternatively, it may be approximated by the formula

$$s_{(x,p)} = \sqrt{\frac{b}{x} (p) (100-p)} \tag{8}$$

from which the standard errors in tables 10 and 11 were calculated. Here x is the size of the subclass of social units which is the base of the percentage, p is the percentage ($0 < p < 100$), and b is the parameter associated with the characteristic in the numerator. Use of this formula will give more accurate results than use of formula 7 above and should be used when data from less than four rotations are used to estimate p.

Illustration.

Suppose that, in the month of January 1991, 6.7 percent of the 16,812,000 persons in nonfarm households with a mean monthly household cash income of $4,000 to $4,999, were black. Using formula 8 and the "b" parameter of 10,110 from table 6 and a factor of 1 for the month of January 1991 from table 7, the approximate standard error is

$$\sqrt{\frac{10,110}{(16,812,000)} (6.7) (100-6.7)} = 0.61 \ percent$$

Consequently, the 90 percent confidence interval as shown by these data is from 5.7 to 7.7 percent.

For percentages of money, a more complicated formula is required. A percentage of money will usually be estimated in one of two ways. It may be the ratio of two aggregates:

$$p_I = 100 \ (X_A \ / \ X_N)$$

or it may be the ratio of two means with an adjustment for different bases:

$$p_I = 100 \ (\beta_A \ \overline{X}_A \ / \ \overline{X}_N)$$

where x_A and x_N are aggregate money figures, $\overline{x}_A$ and $\overline{x}_N$ are mean money figures, and $\hat{p}_A$ is the estimated number in group A divided by the estimated number in group N. In either case, we estimate the standard error as

$$s_I = \sqrt{\left(\frac{\hat{p}_A \overline{x}_A}{\overline{x}_N}\right)^2 \left[\left(\frac{s_p}{\hat{p}_A}\right)^2 + \left(\frac{s_A}{\overline{x}_A}\right)^2 + \left(\frac{s_B}{\overline{x}_N}\right)^2\right]} \; , \qquad (9)$$

where s_p is the standard error of $\hat{p}_A$, s_A is the standard error of $\overline{x}_A$ and s_B is the standard error of $\overline{x}_N$. To calculate s_p, use formula 8. The standard errors of $\overline{x}_N$ and $\overline{x}_A$ may be calculated using formula 3.

It should be noted that there is frequently some correlation between $\hat{p}_A$, $\overline{x}_N$, and $\overline{x}_A$. Depending on the magnitude and sign of the correlations, the standard error will be over or underestimated.

<u>Illustration.</u>

Suppose that in January 1991, 9.8% of the households own rental property, the mean value of rental property is $72,121, the mean value of assets is $78,734, and the corresponding standard errors are 0.31%, $5799, and $2867. In total there are 86,790,000 households. Then, the percent of all household assets held in rental property is

$$= 100 \left((0.098) \frac{72121}{78734}\right) = 9.0\%$$

Using formula (9), the appropriate standard error is

$$s_x = \sqrt{\left(\frac{(0.098)(72121)}{78734}\right)^2 \left[\left(\frac{0.0031}{0.098}\right)^2 + \left(\frac{5799}{72121}\right)^2 + \left(\frac{2867}{78734}\right)^2\right]}$$

$= 0.008$

$= 0.8\%$

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

$$s_{(x-y)} = \sqrt{s_x^2 + s_y^2} \qquad\qquad (10)$$

where s_x and s_y are the standard errors of the estimates x and y.

The estimates can be numbers, percents, ratios, etc. The above formula assumes that the correlation coefficient between the characteristics estimated by x and y is zero. If the correlation is really positive (negative), then this assumption will tend to cause overestimates (underestimates) of the true standard error.

Illustration.

Suppose that SIPP estimates show the number of persons age 35-44 years with monthly cash income of $4,000 to $4,999 was 3,186,000 in the month of January 1991 and the number of persons age 25-34 years with monthly cash income of $4,000 to $4,999 in the same time period was 2,619,000. Then, using parameters from table 6 and formula 2, the standard errors of these numbers are approximately 153,000 and 139,000, respectively. The difference in sample estimates is 567,000 and, using formula 10, the approximate standard error of the difference is

$$\sqrt{(153,000)^2 + (139,000)^2} = 207,000$$

Suppose that it is desired to test at the 10 percent significance level whether the number of persons with monthly cash income of $4,000 to $4,999 was different for persons age 35-44 years than for persons age 25-34 years. To perform the test, compare the difference of 567,000 to the product 1.6 x 207,000 = 331,200. Since the difference is greater than 1.6 times the standard error of the difference, the data show that the two age groups are significantly different at the 10 percent significance level.

Standard Error of a Median. The median quantity of some item such as income for a given group of persons, families, or households is that quantity such that at least half the group have as much or more and at least half the group have as much or less. The sampling variability of an estimated median depends upon the form of the distribution of the item as well as the size of the group. To calculate standard errors on medians, the procedure described below may be used.

An approximate method for measuring the reliability of an estimated median is to determine a confidence interval about it. (See the section on sampling variability for a general discussion of confidence intervals.) The following procedure may be used to estimate the 68-percent confidence limits and hence the standard error of a median based on sample data.

1.   Determine, using either formula 7 or formula 8, the standard error of an estimate of 50 percent of the group;

2.   Add to and subtract from 50 percent the standard error determined in step 1;

3.   Using the distribution of the item within the group, calculate the quantity of the item such that the percent of the group with more of the item is equal to the smaller percentage found in step 2. This quantity will be the upper limit for the 68-percent confidence interval. In a similar fashion, calculate the quantity of the item such that the percent of the group with more of the item is equal to the larger percentage found in step 2. This quantity will be the lower limit for the 68-percent confidence interval;

4.   Divide the difference between the two quantities determined in step 3 by two to obtain the standard error of the median.

To perform step 3, it will be necessary to interpolate. Different methods of interpolation may be used. The most common are simple linear interpolation and Pareto interpolation. The appropriateness of the method depends on the form of the distribution around the median. If density is declining in the area, then we recommend Pareto interpolation. If density is fairly constant in the area, then we recommend linear interpolation. Note, however, that Pareto interpolation can never be used if the interval contains zero or negative measures

of the item of interest. Interpolation is used as follows. The
quantity of the item such that "p" percent have more of the item
is

$$X_{pN} = \exp\left[\left(Ln\left(\frac{pN}{N_1}\right) \Big/ Ln\left(\frac{N_2}{N_1}\right)\right) Ln\left(\frac{A_2}{A_1}\right)\right] A_1 \qquad (11)$$

if Pareto Interpolation is indicated and

$$X_{pN} = \left[\frac{PN-N_1}{N_2-N_1} \; (A_2-A_1) + A_1\right] \qquad (12)$$

if linear interpolation is indicated, where

N	is the size of the group,
A_1 and A_2	are the lower and upper bounds, respectively, of the interval in which X_{pN} falls,
N_1 and N_2	are the estimated number of group members owning more than A_1 and A_2, respectively,
exp	refers to the exponential function and
Ln	refers to the natural logarithm function.

Illustration.

To illustrate the calculations for the sampling error on a
median, we return to table 14. The median monthly income for
this group is $2,158. The size of the group is 39,851,000.

1. Using formula 8, the standard error of 50 percent on a base
    of 39,851,000 is about 0.7 percentage points.

2. Following step 2, the two percentages of interest are 49.3
    and 50.7.

3. By examining table 14, we see that the percentage 49.3 falls
    in the income interval from 2000 to 2499. (Since 55.5%
    receive more than $2,000 per month, the dollar value
    corresponding to 49.3 must be between $2,000 and $2,500).
    Thus, A_1 = $2,000, A_2 = $2,500, N_1 = 22,106,000, and N_2 =
    16,307,000.

In this case, we decided to use Pareto interpolation. Therefore, the upper bound of a 68% confidence interval for the median is

$$\$2{,}000\; \exp\left[\left(Ln\left(\frac{(.493)\,(39{,}851{,}000)}{22{,}106{,}000}\right)\middle/\; Ln\left(\frac{16{,}307{,}000}{22{,}106{,}000}\right)\right)Ln\left(\frac{2{,}500}{2{,}000}\right)\right] = \$2181$$

Also by examining table 14, we see that 50.7 falls in the same income interval. Thus, A_1, A_2, N_1 and N_2 are the same. We also use Pareto interpolation for this case. So the lower bound of a 68% confidence interval for the median is

$$\$2{,}000\; \exp\left[\left(Ln\left(\frac{(.507)\,(39{,}851{,}000)}{22{,}106{,}000}\right)\middle/\; Ln\left(\frac{16{,}307{,}000}{22{,}106{,}000}\right)\right)Ln\left(\frac{2{,}500}{2{,}000}\right)\right] = \$2136$$

Thus, the 68-percent confidence interval on the estimated median is from $2136 to $2181. An approximate standard error is

$$\frac{\$2181 - \$2136}{2} = \$23$$

Standard Errors of Ratios of Means and Medians. The standard error for a ratio of means or medians is approximated by:

$$s_{\frac{x}{y}} = \sqrt{\left(\frac{x}{y}\right)^2 \left[\left(\frac{s_y}{y}\right)^2 + \left(\frac{s_x}{x}\right)^2\right]} \tag{13}$$

where x and y are the means or medians, and s_x and s_y are their associated standard errors. Formula 13 assumes that the means are not correlated. If the correlation between the population means estimated by x and y are actually positive (negative), then this procedure will tend to produce overestimates (underestimates) of the true standard error for the ratio of means.

Table 1. 1991 Panel Topical Modules

<u>Wave</u>   <u>Topical Module</u>

1   None

2   Recipiency History
Employment History
Work Disability History
Education and Training History
Marital History
Migration History
Fertility History
Household Relationships

3   Child Care Arrangements
Child Support Agreements
Support of Non-household Members
Functional Limitations and Disability
Utilization of Health Care Services
Work Schedule

4   Selected Financial Assets
Medical Expenses and Work Disability
Real Estate, Shelter Costs, Dependent Care,
    and Vehicles

5   Taxes
Annual Income and Retirement Accounts
School Enrollment and Financing

6   Extended Measures of Wellbeing
  (Consumer Durables,
  Living Conditions,
  Basic Needs,
  Expenditures,
  Minimum Income)

7   Assets and Liabilities
Retirement Expectations and Pension Plan Coverage
Real Estate Property and Vehicles

8   Taxes
Annual Income and Retirement Accounts
School Enrollment and Financing

Table 2. 1990 Panel Topical Modules

Wave	Topical Module
1	None
2	Recipiency History Employment History Work Disability History Education and Training History Marital History Migration History Fertility History Household Relationships
3	Work Schedule Child Care Child Support Agreements Support of Non-household Members Functional Limitations and Disability Utilization of Health Care Services
4	Assets and Liabilities Retirement Expectations and Pension Plan Coverage Real Estate Property and Vehicles
5	Taxes Annual Income and Retirement Accounts School Enrollment and Financing
6	Child Support Agreements Support for Non-household Members Functional Limitations and Disability Utilization of Health Care Services Not in Labor Force Spells
7	Selected Financial Assets Medical Expenses and Work Disability Real Estate, Shelter Costs, Dependent Care and Vehicles
8	Taxes Annual Income and Retirement Accounts School Enrollment and Financing

Table 3. Reference Months for Each Interview Month - 1991 Panel

Reference Period

Month of Interview	Wave/ Rotation	4th Quarter (1990) Oct Nov Dec			1st Quarter (1991) Jan Feb Mar			2nd Quarter (1991) Apr May Jun			3rd Quarter (1991) Jul Aug Sep			4th Quarter (1991) Oct Nov Dec			...	2nd Quarter (1993) Apr May Jun			3rd Quarter (1993) Jul Aug Sep		
Feb 91	1/2	X	X	X	X																		
Mar	1/3		X	X	X	X																	
Apr	1/4			X	X	X	X																
May	1/1				X	X	X	X															
Jun	2/2					X	X	X	X														
Jul	2/3						X	X	X	X													
Aug	2/4							X	X	X	X												
Sept	2/1								X	X	X	X											
Oct	3/2									X	X	X	X										
Nov	3/3										X	X	X	X									
Dec	3/4											X	X	X	X								
.														X	.	.							
.															.		...						
.																	...	.					
Sept 93	8/1																		X	X		X	X

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Table 4. Reference Months for Each Interview Month - 1990 Panel

Reference Period

Month of Interview	Wave/ Rotation	4th Quarter (1989) Oct	Nov	Dec	1st Quarter (1990) Jan	Feb	Mar	2nd Quarter (1990) Apr	May	Jun	3rd Quarter (1990) Jul	Aug	Sep	4th Quarter (1990) Oct	Nov	Dec	...	2nd Quarter (1992) Apr	May	Jun	3rd Quarter (1992) Jul	Aug	Sep
Feb 90	1/2	X	X	X	X																		
Mar	1/3		X	X	X	X																	
Apr	1/4			X	X	X	X																
May	1/1				X	X	X	X															
Jun	2/2					X	X	X	X														
Jul	2/3						X	X	X	X													
Aug	2/4							X	X	X	X												
Sept	2/1								X	X	X	X											
Oct	3/2									X	X	X	X										
Nov	3/3										X	X	X	X									
Dec	3/4											X	X	X	X								
.														.	.	.							
.																.	...						
.																	...	.					
Sept 92	8/1																	X	X		X	X	

Table 5. Metropolitan Subsample Factors to be Applied to Compute National and Subnational Estimates

		Factors for use in State or CMSA (MSA) Tabulations	Factors for use in Regional or National Tabulations
Northeast:	Connecticut	1.0387	1.0387
	Maine	1.2219	1.2219
	Massachusetts	1.0000	1.0000
	New Hampshire	1.2234	1.2234
	New Jersey	1.0000	1.0000
	New York	1.0000	1.0000
	Pennsylvania	1.0096	1.0096
	Rhode Island	1.2506	1.2506
	Vermont	1.2219	1.2219
Midwest:	Illinois	1.0000	1.0110
	Indiana	1.0336	1.0450
	Iowa	---	---
	Kansas	1.2912	1.3055
	Michigan	1.0328	1.0442
	Minnesota	1.0366	1.0480
	Missouri	1.0756	1.0874
	Nebraska	1.6289	1.6468
	North Dakota	---	---
	Ohio	1.0233	1.0346
	South Dakota	---	---
	Wisconsin	1.0188	1.0300
South:	Alabama	1.1574	1.1595
	Arkansas	1.6150	1.6179
	Delaware	1.5593	1.5621
	D.C.	1.0000	1.0018
	Florida	1.0140	1.0158
	Georgia	1.0142	1.0160
	Kentucky	1.2120	1.2142
	Louisiana	1.0734	1.0753
	Maryland	1.0000	1.0018
	Mississippi	---	---
	North Carolina	1.0000	1.0018
	Oklahoma	1.0793	1.0812
	South Carolina	1.0185	1.0203
	Tennessee	1.0517	1.0536
	Texas	1.0113	1.0131
	Virginia	1.0521	1.0540
	West Virginia	---	---

- indicates no metropolitan subsample is identified for the state

		Factors for use in State or CMSA (MSA) Tabulations	Factors for use in Regional or National Tabulations
West:	Alaska	1.4339	1.4339
	Arizona	1.0117	1.0117
	California	1.0000	1.0000
	Colorado	1.1306	1.1306
	Hawaii	1.0000	1.0000
	Idaho	1.4339	1.4339
	Montana	1.4339	1.4339
	Nevada	1.0000	1.0000
	New Mexico	1.0000	1.0000
	Oregon	1.1317	1.1317
	Utah	1.0000	1.0000
	Washington	1.0456	1.0456
	Wyoming	1.4339	1.4339

- indicates no metropolitan subsample is identified for the state

Table 6: SIPP Indirect Generalized Variance Parameters for the 1991 Panel

Characteristics[1]	Parameters		
PERSONS	a	b	f
Total or White			
16+ Program Participation and Benefits, Poverty (3)			
Both Sexes	−0.0001342	22,040	0.90
Male	−0.0002789	22,040	
Female	−0.0002587	22,040	
16+ Income and Labor Force (5)			
Both Sexes	−0.0000407	7,514	0.52
Male	−0.0000850	7,514	
Female	−0.0000778	7,514	
16+ Pension Plan[2] (4)			
Both Sexes	−0.0000744	13,761	0.71
Male	−0.0001556	13,761	
Female	−0.0001425	13,761	
All Others[2] (6)			
Both Sexes	−0.0001134	27,327	1.00
Male	−0.0002334	27,327	
Female	−0.0002203	27,327	
Black			
Poverty (1)			
Both Sexes	−0.0006397	18,800	0.83
Male	−0.0013668	18,800	
Female	−0.0012028	18,800	
All Others (2)			
Both Sexes	−0.0003441	10,110	0.61
Male	−0.0007350	10,110	
Female	−0.0006468	10,110	
HOUSEHOLDS			
Total or White	−0.0001005	9,286	1.00
Black	−0.0006115	6,416	0.83

---

[1] To account for sample attrition, multiply the a and b parameters by 1.09 for estimates which include data from Wave 5 and beyond.

For cross-tabulations, use the parameters of the characteristic with the smaller number within the parentheses.

[2] Use the "16+ Pension Plan" parameters for pension plan tabulations of persons 16+ in the labor force. Use the "All Others" parameters for retirement tabulations, 0+ program participation, 0+ benefits, 0+ income, and 0+ labor force tabulations, in addition to any other types of tabulations not specifically covered by another characteristic in this table.

Table 7. **Factors to be Applied to Table 6 Base Parameters to Obtain Parameters for Various Reference Periods**

# of available, rotation months[1]	factor
Monthly estimate	
1	4.0000
2	2.0000
3	1.3333
4	1.0000
Quarterly estimate	
6	1.8519
8	1.4074
9	1.2222
10	1.0494
11	1.0370
12	1.0000

[1] The number of available rotation months for a given estimate is the sum of the number of rotations available for each month of the estimate.

Table 8. Standard Errors of Estimated Numbers of Households, Families or Unrelated Persons (Numbers in Thousands)

Size of Estimate	Standard Error[1]	Size of Estimate	Standard Error[1]
200	43	15,000	342
300	53	25,000	412
500	68	30,000	434
750	83	40,000	459
1,000	96	50,000	462
2,000	135	60,000	442
3,000	164	70,000	397
5,000	210	80,000	316
7,500	253	90,000	147
10,000	288	92,000	61

[1] To account for sample attrition, multiply the standard error of the estimate by 1.04 for estimates which include data from Wave 5 and beyond.

Table 9.   Standard Errors of Estimated Numbers of Persons (Numbers in Thousands)

Size of Estimate	Standard Error	Size of Estimate	Standard Error
200	74	50,000	1041
300	90	80,000	1208
600	128	100,000	1264
1,000	165	130,000	1279
2,000	233	135,000	1274
5,000	366	150,000	1244
8,000	460	160,000	1212
11,000	536	180,000	1116
13,000	580	200,000	964
15,000	620	210,000	859
17,000	657	220,000	723
22,000	739	230,000	535
26,000	796	240,000	163
30,000	847		

[1]   To account for sample attrition, multiply the standard error of the estimate by 1.04 for estimates which include data from Wave 5 and beyond.

Table 10. Standard Errors of Estimated Percentages of of Households Families or Unrelated Persons

Base of Estimated Percentage (Thousands)	Estimated Percentages[1]					
	≤ 1 or ≥ 99	2 or 98	5 or 95	10 or 90	25 or 75	50
200	2.1	3.0	4.7	6.5	9.3	10.8
300	1.8	2.5	3.8	5.3	7.6	8.8
500	1.4	1.9	3.0	4.1	5.9	6.8
750	1.1	1.6	2.4	3.3	4.8	5.6
1,000	1.0	1.3	2.1	2.9	4.2	4.8
2,000	0.68	1.0	1.5	2.0	3.0	3.4
3,000	0.55	0.78	1.2	1.7	2.4	2.8
5,000	0.43	0.60	0.9	1.3	1.9	2.2
7,500	0.35	0.49	0.8	1.1	1.5	1.8
10,000	0.30	0.43	0.66	0.9	1.3	1.5
15,000	0.25	0.35	0.54	0.75	1.1	1.2
25,000	0.19	0.27	0.42	0.58	0.8	1.0
30,000	0.18	0.25	0.38	0.53	0.76	0.9
40,000	0.15	0.21	0.33	0.46	0.66	0.76
50,000	0.14	0.19	0.30	0.41	0.59	0.68
60,000	0.12	0.17	0.27	0.37	0.54	0.62
70,000	0.11	0.16	0.25	0.35	0.50	0.58
80,000	0.11	0.15	0.23	0.32	0.47	0.54
90,000	0.10	0.14	0.22	0.30	0.44	0.51
92,000	0.10	0.14	0.22	0.30	0.44	0.50

[1] To account for sample attrition, multiply the standard error of the estimate by 1.04 for estimates which include data from Wave 5 and beyond.

Table 11. Standard Errors of Estimated Percentages of Persons

Base of Estimated Percentage (Thousands)	Estimated Percentages					
	≤ 1 or ≥ 99	2 or 98	5 or 95	10 or 90	25 or 75	50
200	3.7	5.2	8.1	11.1	16.0	18.5
300	3.0	4.2	6.6	9.1	13.1	15.1
600	2.1	3.0	4.7	6.4	9.2	10.7
1,000	1.6	2.3	3.6	5.0	7.2	8.3
2,000	1.2	1.6	2.5	3.5	5.1	5.8
5,000	0.74	1.0	1.6	2.2	3.2	3.7
8,000	0.58	0.8	1.3	1.8	2.5	2.9
11,000	0.50	0.70	1.1	1.5	2.2	2.5
13,000	0.46	0.64	1.0	1.4	2.0	2.3
17,000	0.40	0.56	0.9	1.2	1.7	2.0
22,000	0.35	0.49	0.8	1.1	1.5	1.8
26,000	0.32	0.45	0.71	1.0	1.4	1.6
30,000	0.30	0.42	0.66	0.9	1.3	1.5
50,000	0.23	0.33	0.51	0.70	1.0	1.2
80,000	0.18	0.26	0.40	0.55	0.8	0.9
100,000	0.16	0.23	0.36	0.50	0.72	0.8
130,000	0.14	0.20	0.32	0.43	0.63	0.72
200,000	0.12	0.16	0.25	0.35	0.51	0.58
220,000	0.11	0.16	0.24	0.33	0.48	0.56
230,000	0.11	0.15	0.24	0.33	0.47	0.55
240,000	0.11	0.15	0.23	0.32	0.46	0.53

[1]
To account for sample attrition, multiply the standard error of the estimate by 1.04 for estimates which include data from Wave 5 and beyond.

Table 12. 1991 Topical Module Generalized Variance Parameters[1]

	a	b
Fertility		
# Women	-0.0000748	6,119
Births	-0.0000670	11,158
Educational Attainment[2]		
Wave 2	-0.0000457	8,335
Wave 5	-0.0000511	9,085
Wave 8	-0.0000511	9,085
Marital Status and Person's Family Characteristics		
Some HH members	-0.0000644	12,613
All HH members	-0.0000804	15,326
Child Support		
Wave 3	-0.0000883	9,286
Support for non-household members		
Wave 3	-0.0000961	9,286
Health and Disability	-0.0000499	12,014
0-15 Child Care		
Wave 3	-0.0001340	7,514
Welfare History and AFDC		
Both sexes 18+	-0.0001241	22,040
Males 18+	-0.0002604	22,040
Females 18+	-0.0002372	22,040

---

[1] Use the "16+ Income and Labor Force" core parameter for tabulations of reasons for not working/reservation wage and work related income.

[2] The parameter also applies to the School Enrollment and Finance Topical Module Subject.

Table 13. SIPP 1990, 1991 Combined Panel Topical Module
Generalized Variance Parameters

	a	b
Educational Attainment		
1990 Wave 5/1991 Wave 2	-0.0000190	3,470
1990 Wave 8/1991 Wave 5	-0.0000201	3,582
Support for non-household members		
1990 Wave 6/1991 Wave 3	-0.0000400	3,866
Health and Disability		
1990 Wave 6/1991 Wave 3	-0.0000208	5,001
0-15 Child Care		
1990 Wave 6/1991 Wave 3	-0.0000558	3,128
Child Support		
1990 Wave 6/1991 Wave 3	-0.0000368	3,866

Table 14. Distribution of Monthly Cash Income Among Persons 25 to 34 Years Old

	Total	under $300	$300 to $599	$600 to $899	$900 to $1,199	$1,200 to $1,499	$1,500 to $1,999	$2,000 to $2,499	$2,500 to $2,999	$3,000 to $3,499	$3,500 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 and over
Thousands in interval	39,851	1371	1651	2259	2734	3452	6278	5799	4730	3723	2519	2619	1223	1493
Percent with at least as much as lower bound of interval	..	100.0	96.6	92.4	86.7	79.9	71.2	55.5	40.9	29.1	19.7	13.4	6.8	3.7

Table 15. SIPP Factors to be Applied to the 1991 Base Parameters to Obtain the 1990, 1991 Combined Panel Parameters[1]

Waves to be Combined

1990 panel	1991 panel	g factor[2]
5	2	0.4163
6	3	0.4163
7	4	0.4163
8	5	0.3943

---

[1] When deriving estimates based on two or more waves of data from the same panel, choose the corresponding g-factor with the greatest value. Apply only this factor to the base parameter.

Table 16. Factors to be Applied to Base Parameters to Obtain Combined Panel Parameters for Estimates[1] from Various Reference Periods.

# of available rotation months for 2 panels combined[2]	factor
Monthly Estimate	
2	4.0000
3	3.0000
4	2.0000
5	1.6667
6	1.3333
7	1.1667
8	1.0000
Quarterly Estimates	
	1.8519
12	1.5631
15	1.2222
18	1.1470
19	1.0000
24	
Annual Estimates	
	1.0000
96	

[1]   Estimates are based on monthly averages.

[2]   The number of available rotation months for a given estimate is the sum of the number of rotations available for each month of the estimate for the two panels. There must be at least one rotation month available for each month from each panel for monthly and quarterly estimates.

APPENDIX A-1

Income Source Code List

Code Income Sources

1 - Social Security
2 - U.S. Government Railroad Retirement pay
3 - Federal Supplemental Security Income (SSI)
5 - State unemployment compensation
6 - Supplemental Unemployment Benefits
7 - Other unemployment compensation (Trade Adjustment Act benefits, strike pay, other)
8 - Veterans compensation or pensions
10 - Worker's compensation
12 - Employer or union temporary sickness policy
13 - Payments from a sickness, accident or disability insurance policy purchased on your own
20 - Aid to Families with Dependent Children (AFDC, ADC)
21 - General assistance or General relief
23 - Foster child care payments
24 - Other welfare
25 - WIC (Women, Infants and Children) Nutrition Program
27 - Food stamps
28 - Child support payments
29 - Alimony payments
30 - Pension from company or union
31 - Federal Civil Service or other Federal civilian employee pensions
32 - U.S. Military retirement pay
34 - State government pensions
35 - Local government pensions
36 - Income from paid-up life insurance policies or annuities
37 - Estates and trusts
38 - Other payments for retirement, disability or survivor
40 - G.I. Bill/VEAP education benefits
41 - Other VA educational assistance
50 - Income assistance from a charitable group
51 - Money from relatives or friends
52 - Lump sum payments
53 - Income from roomers or boarders
54 - National Guard or Reserve pay
55 - Incidental or casual earnings
56 - Other cash income not included elsewhere
75 - Categories combined and recoded for confidentiality reasons
      State Administered Supplemental Security Income (old code 4)
      Black lung payments (old code 9)
      State temporary sickness or disability benefits (old code 11)
      Indian, Cuban, or Refugee Assistance (old code 22)
      National Guard or Reserve Force retirement (old code 33)

Code Asset List

100 - Regular/passbook savings accounts in a bank, savings and loan or credit union
101 - Money market deposit accounts
102 - Certificates of Deposit or other savings certificates
103 - NOW, Super NOW or other interest earning checking accounts
104 - Money market funds
105 - U.S. Government securities
106 - Municipal or corporate bonds
107 - Other interest-earning assets
110 - Stocks or mutual fund shares
120 - Rental property
130 - Mortgages
140 - Royalties
150 - Other financial investments

Code Special Indicators

170 - Worked
171 - Disabled
172 - Medicare
173 - Medicaid
174 - U.S. Saving Bonds (E, EE)
175 - College Work Study
176 - PELL Grant
177 - Supplemental Educational Opportunity Grant (SEOG)
178 - National Direct Student Loan (NSL)
179 - Guaranteed Student Loan
180 - JTPA Training
181 - Employer assistance
182 - Fellowship/Scholarship
183 - Other financial aid
200 - VA disability rating of 100%
201 - VA disibility of less than 100%

APPENDIX A-2

Income Sources Included in Monthly Cash Income

Earnings from Employment

Wages and salaries
Nonfarm self-employment income
Farm self-employment income

Income from Assets (Property Income)

Regular/passbook savings accounts in a bank, savings and loan or credit union
Money market deposit accounts
Certificates of Deposit or other savings certificates
NOW, Super NOW or other interest-earning checking accounts
Money market funds
U.S. Government securities
Municipal or corporate bonds
Other interest-earning assets
Stocks or mutual fund shares
Rental property
Mortgages
Royalties
Other financial investments

Other Income Sources

Social Security
U.S. Government Railroad Retirement pay
Federal Supplemental Security Income (SSI)
State Administered Supplemental Security Income
State unemployment compensation
Supplemental Unemployment Benefits
Other unemployment compensation (Trade Adjustment Act benefits, strike pay, other)
Veterans compensation or pensions
Black lung payments
Worker's compensation
State temporary sickness or disability benefits
Payments from a sickness, accident or disability insurance policy purchased on your own
Aid to Families with Dependent Children (AFDC, ADC)
General Assistance or General Relief
Indian, Cuban, or Refugee Assistance
Foster child care payments
Other welfare
Child support payments
Alimony payments
Pension from company or union
Federal Civil Service or other Federal civilian employee pensions
U.S. Military retirement pay
National Guard or Reserve Forces retirement
State government pensions
Local government pensions
Income from paid-up life insurance policies or annuities
Estates and trusts

Other payments for retirement, disability or survivor benefits
G.I. Bill/VEAP education benefits
Income assistance from a charitable group
Money from relatives or friends
Lump sum payments
Income from roomers or boarders
National Guard or Reserve pay
Incidental or casual earnings
Other cash income not included elsewhere

APPENDIX A-3

Sources of Means-Tested Benefits Covered in SIPP

Cash Benefits

Federal Supplemental Security Income (SSI)
State Administered Supplemental Security Income
Veterans' pensions
Aid to Families with Dependent Children (AFDC, ADC)
General Assistance or General Relief
Indian, Cuban, or Refugee Assistance
Other welfare
Foster child care payments

Noncash Benefits

Food Stamps
Special Supplemental Food Program for Women, Infants, and Children (WIC)
Low-Income Home Energy Assistance
Medicaid
Free or reduced price school lunches
Free or reduced price school breakfasts
Public or subsidized rental housing

APPENDIX A-4

1980 Census of Population Occupation Classification System

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

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

1980 Code	Executive, Administrative, and Managerial Occupations
003	Legislators (111)
004	Chief executives and general administrators, public administration (112)
005	Administrators and officials, public administration (1132-1139)
006	Administrators, protective services (1131)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Managers, properties and real estate (1353)
017	Postmasters and mail superintendents (1344)
018	Funeral directors (pt 1359)
019	Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344, 1353, pt 1359)
	Management related occupations
023	Accountants and auditors (1412)
024	Underwriters (1414)
025	Other financial officers (1415, 1419)
026	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (1443)
029	Buyers, wholesale and retail trade except farm products (1442)
033	Purchasing agents and buyers, n.e.c. (1449)
034	Business and promotion arents (145)
035	Construction inspectors (1472)
036	Inspectors and compliance officers, exc. construction (1473)
037	Management related occupations, n.e.c. (149)

Professional Specialty Occupations

	Engineers, Architects, and Surveyors
043	Architects (161)
	Engineers
044	Aerospace (1622)
045	Metallurgical and materials (1623)
046	Mining (1624)
047	Petroleum (1625)
048	Chemical (1626)
049	Nuclear (1627)
053	Civil (1628)
054	Agricultural (1632)
055	Electrical and electronic (1633, 1636)
056	Industrial (1634)
057	Mechanical (1635)

058	Marine and naval architects (1637)
059	Engineers, n.e.c. (1639)
063	Surveyors and mapping scientists (164)
	Mathematical and Computer Scientists
064	Computer systems analysts and scientists (171)
065	Operations and systems researchers and analysts (172)
066	Actuaries (1732)
067	Statisticians (1733)
068	Mathematical scientists, n.e.c. (1739)
	Natural Scientists
069	Physicists and astronomers (1842, 1843)
073	Chemists, except biochemists (1845)
074	Atmospheric and space scientists (1846)
075	Geologists and geodesists (1847)
076	Physical scientists, n.e.c. (1849)
077	Agricultural and food scientists (1853)
078	Biological and life scientists (1854)
079	Forestry and conservation scientists (1852)
083	Medical scientists (1855)
	Health Diagnosing Occupations
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089	Health diagnosing practitioners, n.e.c. (289)
	Health Assessment and Treating Occupations
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
	Therapists
098	Inhalation therapists (3031)
099	Occupational therapists (3032)
103	Physical therapists (3033)
104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106	Physicians' assistants (304)
	Teachers, Postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)

137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
	Teachers, Except Postsecondary
155	Teachers, prekindergarten and kindergarten (231)
N(156)	Teachers, elementary school (232)
P(157)	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
163	Counselors, educational and vocational (24)
	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
	Social Scientists and Urban Planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
173	Urban planners (192)
	Social, Recreation, and Religious Workers
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
	Lawyers and Judges
178	Lawyers (211)
179	Judges (212)
	Writers, Artists, Entertainers, and Athletes
183	Authors (321)
184	Technical writers (398)
185	Designers (322)
186	Musicians and composers (323)
187	Actors and directors (324)
188	Painters, sculptors, craft-artists, and artist printmakers (325)
189	Photographers (326)
193	Dancers (327)
194	Artists, performers, and related workers, n.e.c. (328, 329)
195	Editors and reporters (331)
197	Public relations specialists (332)
198	Announcers (333)
199	Athletes (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations

Health Technologists and Technicians
203   Clinical laboratory technologists and technicians (362)
204   Dental hygienists (363)
205   Health record technologists and technicians (364)
206   Radiologic technicians (365)
207   Licensed practical nurses (366)
208   Health technologists and technicians, n.e.c. (369)
Technologists and Technicians, Except Health
Engineering and Related Technologists and Technicians
213   Electrical and electronic technicians (3711)
214   Industrial engineering technicians (3712)
215   Mechanical engineering technicians (3713)
216   Engineering technicians, n.e.c. (3719)
217   Drafting occupations (372)
218   Surveying and mapping technicians (373)
Science Technicians
223   Biological technicians (382)
224   Chemical technicians (3831)
225   Science technicians, n.e.c. (3832, 3833, 384, 389)
Technicians; Except Health, Engineering, and Science
226   Airplane pilots and navigators (825)
227   Air traffic controllers (392)
228   Broadcast equipment operators (393)
229   Computer programmers (3971, 3972)
233   Tool programmers, numerical control (3974)
234   Legal assistants (396)
235   Technicians, n.e.c. (399)

Sales Occupations

243   Supervisors and proprietors, sales occupations (40)
Sales Representatives, Finance and Business Services
253   Insurance sales occupations (4122)
254   Real estate sales occupations (4123)
255   Securities and financial services sales occupations (4124)
256   Advertising and related sales occupations (4153)
257   Sales occupations, other business services (4152)
Sales Representatives, Commodities Except Retail
258   Sales engineers (421)
259   Sales representatives, mining, manufacturing, and wholesale (423, 424)
Sales Workers, Retail and Personal Services
263   Sales workers, motor vehicles and boats (4342, 4344)
264   Sales workers, apparel (4346)
265   Sales workers, shoes (4351)
266   Sales workers, furniture and home furnishings (4348)
267   Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
268   Sales workers, hardware and building supplies (4353)
269   Sales workers, parts (4367)
274   Sales workers, other commodities (4345, 4347, 4354, 4356, 4359,4362, 4369)
275   Sales counter clerks (4363)
Q(276)   Cashiers (4364)
277   Street and door-to-door sales workers (4366)

278	News vendors (4365)
	Sales Related Occupations
283	Demonstrators, promoters and models, sales (445)
284	Auctioneers (447)
285	Sales support occupations, n.e.c. (444, 446, 449)

Administrative Support Occupations, Including Clerical

	Supervisors, Administrative Support Occupations
303	Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
304	Supervisors, computer equipment operators (4512)
305	Supervisors, financial records processing (4521)
306	Chief communications operators (4523)
307	Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)
	Computer Equipment Operators
308	Computer operators (4612)
309	Peripheral equipment operators (4613)
	Secretaries, Stenographers,and Typists
R(313)	Secretaries (4622)
314	Stenographers (4623)
315	Typists (4624)
	Information Clerks
316	Interviewers (4642)
317	Hotel clerks (4643)
318	Transportation ticket and reservation agents (4644)
319	Receptionists (4645)
323	Information clerks, n.e.c. (4649)
	Records Processing Occupations, Except Financial
325	Classified-ad clerks (4662)
326	Correspondence clerks (4663)
327	Order clerks (4664)
328	Personnel clerks, except payroll and timekeeping (4692)
329	Library clerks (4694)
335	File clerks (4696)
336	Records clerks (4699)
	Financial Records Processing Occupations
S(337)	Bookkeepers, accounting, and auditing clerks (4712)
338	Payroll and timekeeping clerks (4713)
339	Billing clerks (4715)
343	Cost and rate clerks (4716)
344	Billing, posting, and calculating machine operators (4718)
	Duplicating, Mail and Other Office Machine Operators
345	Duplicating machine operators (4722)
346	Mail preparing and paper handling machine operators (4723)
347	Office machine operators, n.e.c. (4729)
	Communications Equipment Operators
348	Telephone operators (4732)
349	Telegraphers (4733)
353	Communications equipment operators, n.e.c. (4739)
	Mail and Message Distributing Occupations
354	Postal clerks, exc. mail carriers (4742)
355	Mail carriers, postal service (4743)
356	Mail clerks, exc. postal service (4744)
357	Messengers (4745)
	Material Recording, Scheduling, and Distributing Clerks
359	Dispatchers (4751)

363	Production coordinators (4752)
364	Traffic, shipping, and receiving clerks (4753)
365	Stock and inventory clerks (4754)
366	Meter readers (4755)
368	Weighers, measurers, and checkers (4756)
369	Samplers (4757)
373	Expediters (4758)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4759)

Adjusters and Investigators

375	Insurance adjusters, examiners, and investigators (4782)
376	Investigators and adjusters, except insurance (4783)
377	Eligibility clerks, social welfare (4784)
378	Bill and account collectors (4786)

Miscellaneous Administrative Support Occupations

379	General office clerks (463)
383	Bank tellers (4791)
384	Proofreaders (4792)
385	Data-entry keyers (4793)
386	Statistical clerks (4794)
387	Teachers' aides (4795)
389	Administrative support occupations, n.e.c. (4787, 4799)

SERVICE OCCUPATIONS

Private Household Occupations

403	Launderers and ironers (503)
404	Cooks, private household (504)
405	Housekeepers and butlers (505)
406	Child care workers, private household (506)
T(407)	Private household cleaners and servants (502, 507, 509)

Protective Service Occupations

Supervisors, Protective Service Occupations

413	Supervisors, firefighting and fire prevention occupations (5111)
414	Supervisors, police and detectives (5112)
415	Supervisors, guards (5113)

Firefighting and Fire Prevention Occupations

416	Fire inspection and fire prevention occupations (5122)
417	Firefighting occupations (5123)

Police and Detectives

418	Police and detectives, public service (5132)
423	Sheriffs bailiffs, and other law enforcement officers (5134)
424	Correctional institution officers (5133)

Guards

425	Crossing guards (5142)
426	Guards and police, exc. public service (5144)
427	Protective service occupations, n.e.c. (5149)

Service Occupations, Except Protective and Household

Food Preparation and Service Occupations

433	Supervisors, food preparation and service occupations (5211)
434	Bartenders (5212)
U(435)	Waiters and waitresses (5213)

436	Cooks, except short order (5214)
437	Short-order cooks (5215)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
443	Waiters'/waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)

Health Service Occupations

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

Cleaning and Building Service Occupations, except Household

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

Personal Service Occupations

456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
463	Guides (5255)
464	Ushers (5256)
465	Public transportation attendants (5257)
466	Baggage porters and bellhops (5262)
467	Welfare service aides (5263)
468	Child care workers,except private household (5264)
469	Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

Farm Operators and Managers

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

Other Agricultural and Related Occupations

Farm Occupations, Except Managerial

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

Related Agricultural Occupations

485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)

Forestry and Logging Occupations

494	Supervisors, forestry, and logging workers (571)
495	Forestry workers, except logging (572)
496	Timber cutting and logging occupations (573, 579)

Fishers, Hunters, and Trappers

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

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

Mechanics and Repairers

503	Supervisors, mechanics and repairers (60)
	Mechanics and Repairers, Except Supervisors
	Vehicle and Mobile Equipment Mechanics and Repairers
X(505)	Automobile mechanics (pt 6111)
506	Automobile mechanic apprentices (pt 6111)
507	Bus, truck, and stationary engine mechanics (6112)
508	Aircraft engine mechanics (6113)
509	Small engine repairers (6114)
514	Automobile body and related repairers (6115)
515	Aircraft mechanics, exc. engine (6116)
516	Heavy equipment mechanics (6117)
517	Farm equipment mechanics (6118)
518	Industrial machinery repairers (613)
519	Machinery maintenance occupations (614)
	Electrical and Electronic Equipment Repairers
523	Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
525	Data processing equipment repairers (6154)
526	Household appliance and power tool repairers (6156)
527	Telephone line installers and repairers (6157)
529	Telephone installers and repairers (6158)
533	Miscellaneous electrical and electronic equipment repairers (6152, 6159)
534	Heating, air conditioning, and refrigeration mechanics (6161)
	Miscellaneous Mechanics and Repairers
535	Camera, watch, and musical instrument repairers (6171, 6172)
536	Locksmiths and safe repairers (6173)
538	Office machine repairers (6174)
539	Mechanical controls and valve repairers (6175)
543	Elevator installers and repairers (6176)
544	Millwrights (6178)
547	Specified mechanics and repairers, n.e.c. (6177, 6179)
549	Not specified mechanics and repairers

Construction Trades

	Supervisors, construction occupations
553	Supervisors; brickmasons, stonemasons, and tile setters (6312)
554	Supervisors, carpenters and related workers (6313)
555	Supervisors, electricians and power transmission installers (6314)
556	Supervisors; painters, paperhangers, and plasterers (6315)
557	Supervisors; plumbers, pipefitters, and steamfitters (6316)

558	Supervisors, n.e.c. (6311, 6318)
	Construction Trades, Except Supervisors
563	Brickmasons and stonemasons (pt 6412, pt 6413)
564	Brickmason and stonemason apprentices (pt 6412, pt 6413)
565	Tile setters, hard and soft (6414, pt 6462)
566	Carpet installers (pt 6462)
Y(567)	Carpenters (pt 6422)
569	Carpenter apprentices (pt 6422)
573	Drywall installers (6424)
575	Electricians (pt 6432)
576	Electrician apprentices (pt 6432)
577	Electrical power installers and repairers (6433)
579	Painters, construction and maintenance (6442)
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (pt 645)
587	Plumber, pipefitter, and steamfitter apprentices (pt 645)
588	Concrete and terrazzo finishers (6463)
589	Glaziers (6464)
593	Insulation workers (6465)
594	Paving, surfacing, and tamping equipment operators (6466)
595	Roofers (6468)
596	Sheetmetal duct installers (6472)
597	Structural metal workers (6473)
598	Drillers, earth (6474)
599	Construction trades, n.e.c. (6467, 6475, 6476, 6479)
	Extractive Occupations
613	Supervisors, extractive occupations (632)
614	Drillers, oil well (652)
615	Explosives workers (653)
616	Mining machine operators (654)
617	Mining occupations, n.e.c. (656)
	Precision Production Occupations
633	Supervisors, production occupations (67, 71)
	Precision Metal Working Occupations
634	Tool and die makers (pt 6811)
635	Tool and die maker apprentices (pt 6811)
636	Precision assemblers, metal (6812)
637	Machinists (pt 6813)
639	Machinist apprentices (pt 6813)
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Patternmakers and model makers, metal (6817)
646	Lay-out workers (6821)
647	Precious stones and metals workers (Jewelers) (6822, 6866)
649	Engravers, metal (6823)
653	Sheet metal workers (pt 6824)
654	Sheet metal worker apprentices (pt 6824)
655	Miscellaneous precision metal workers (6829)
	Precision Woodworking Occupations
656	Patternmakers and model makers, wood (6831)
657	Cabinet makers and bench carpenters (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
	Precision Textile, Apparel, and Furnishings Machine Workers
666	Dressmakers (pt 6852, pt 7752)

667	Tailors (pt 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
673	Apparel and fabric patternmakers (6856)
674	Miscellaneous precision apparel and fabric workers (6859, pt 7752)
	Precision Workers, Assorted Materials
675	Hand molders and shapers, except jewelers (6861)
676	Patternmakers, lay-out workers, and cutters (6862)
677	Optical goods workers (6864, pt 7477, pt 7677)
678	Dental laboratory and medical appliance technicians (6865)
679	Bookbinders (6844)
683	Electrical and electronic equipment assemblers (6867)
684	Miscellaneous precision workers, n.e.c. (6869)
	Precision Food Production Occupations
686	Butchers and meat cutters (6871)
687	Bakers (6872)
688	Food batchmakers (6873, 6879)
	Precision Inspectors, Testers, and Related Workers
689	Inspectors, testers, and graders (6881, 828)
693	Adjusters and calibrators (6882)
	Plant and System Operators
694	Water and sewage treatment plant operators (691)
695	Power plant operators (pt 693)
696	Stationary engineers (pt 693, 7668)
699	Miscellaneous plant and system operators (692, 694, 695, 696)

OPERATORS, FABRICATORS, AND LABORERS

Machine Operators, Assemblers, and Inspectors

	Machine Operators and Tenders, except Precision
	Metal working and Plastic Working Machine Operators
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717	Fabricating machine operators, n.e.c. (7339, 7539)
	Metal and Plastic Processing Machine Operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
	Woodworking Machine Operators
726	Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nailing and tacking machine operators (7636)
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)

Printing Machine Operators
734	Printing machine operators (7443, 7643)
735	Photoengravers and lithographers (6842, 7444, 7644)
736	Typesetters and compositors (6841, 7642)
737	Miscellaneous printing machine operators (6849, 7449, 7649)

Textile, Apparel, and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745	Shoe machine operators (7656)
747	Pressing machine operators (7657)
748	Laundering and dry cleaning machine operators (6855, 7658)
749	Miscellaneous textile machine operators (7459, 7659)

Machine Operators, Assorted Materials
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (7462, 7662)
755	Extruding and forming machine operators (7463, 7663)
756	Mixing and blending machine operators (7664)
757	Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758	Compressing and compacting machine operators (7467, 7667)
759	Painting and paint spraying machine operators (7669)
763	Roasting and baking machine operators, food (7472, 7672)
764	Washing, cleaning, and pickling machine operators (7673)
765	Folding machine operators (7474, 7674)
766	Furnace, kiln, and oven operators, exc. food (7675)
768	Crushing and grinding machine operators (pt 7477, pt 7677)
769	Slicing and cutting machine operators (7478, 7678)
773	Motion picture projectionists (pt 7479)
774	Photographic process machine operators (6863, 6868, 7671)
777	Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
779	Machine operators, not specified

Fabricators, Assemblers, and Hand Working Occupations
783	Welders and cutters (7332, 7532, 7714)
784	Solderers and brazers (7333, 7533, 7717)
785	Assemblers (772, 774)
786	Hand cutting and trimming occupations (7753)
787	Hand molding, casting, and forming occupations (7754, 7755)
789	Hand painting, coating, and decorating occupations (7756)
793	Hand engraving and printing occupations (7757)
794	Hand grinding and polishing occupations (7758)
795	Miscellaneous hand working occupations (7759)

Production Inspectors, Testers, Samplers, and Weighers
796	Production inspectors, checkers, and examiners (782, 787)
797	Production testers (783)
798	Production samplers and weighers (784)
799	Graders and sorters, exc. agricultural (785)

Transportation and Material Moving Occupations

Motor Vehicle Operators
803	Supervisors, motor vehicle operators (8111)
804)	Truck drivers, heavy (8212, 8213)
805	Truck drivers, light (8214)
806	Driver-sales workers (8218)
808	Bus drivers (8215)

809	Taxicab drivers and chauffeurs (8216)
813	Parking lot attendants (874)
814	Motor transportation occupations, n.e.c. (8219)
	Transportation Occupations, Except Motor Vehicles
	Rail Transportation Occupations
823	Railroad conductors and yardmasters (8113)
824	Locomotive operating occupations (8232)
825	Railroad brake, signal, and switch operators (8233)
826	Rail vehicle operators, n.e.c. (8239)
	Water Transportation Occupations
828	Ship captains and mates, except fishing boats (pt 8241, 8242)
829	Sailors and deckhands (8243)
833	Marine engineers (8244)
834	Bridge, lock, and lighthouse tenders (8245)
	Material Moving Equipment Operators
843	Supervisors, material moving equipment operators (812)
844	Operating engineers (8312)
845	Longshore equipment operators (8313)
848	Hoist and winch operators (8314)
849	Crane and tower operators (8315)
853	Excavating and loading machine operators (8316)
855	Grader, dozer, and scraper operators (8317)
856	Industrial truck and tractor equipment operators (8318)
859	Miscellaneous material moving equipment operators (8319)

Handlers, Equipment Cleaners, Helpers, and Laborers

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

APPENDIX A-5

1980 Census of Population Industry Classification System

(Alphabets parentheses are the 1972 SIC code equivalents [1])

Census
Code

AGRICULTURE, FORESTRY, AND FISHERIES

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

MINING

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

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

MANUFACTURING

Nondurable Goods

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

Apparel and other finished textile products
151   Apparel and accessories, except knit (231-238)
152   Miscellaneous fabricated textile products (239)
Paper and allied products
160   Pulp, paper, and paperboard mills (261-263, 266)
161   Miscellaneous paper and pulp products (264)
162   Paperboard containers and boxes (265)
Printing, publishing, and allied industries
171 (C)   Newspaper publishing and printing (271)
172   Printing, publishing, and allied industries, except newspapers (272-279)
Chemicals and allied products
180   Plastics, synthetics, and resins (282)
181   Drugs (283)
182   Soaps and cosmetics (284)
190   Paints, varnishes, and related products (287)
191   Agricultural chemicals (287)
192   Industrial and miscellaneous chemicals (281, 286, 289)
Petroleum and coal products
200   Petroleum refining (291)
201   Miscellaneous petroleum and coal products (295, 299)
Rubber and miscellaneous plastics products
210   Tires and inner tubes (301)
211   Other rubber products, and plastics footwear and belting (302-304, 306)
212   Miscellaneous plastics products (307)
Leather and leather products
220   Leather tanning and finishing (311)
221   Footwear, except rubber and plastic (313, 314)
222   Leather products, except footwear (315-317, 319)

Durable Goods

Lumber and wood products, except furniture
230   Logging (241)
231   Sawmills, planing mills, and millwork (242, 243)
232   Wood buildings and mobile homes (245)
241   Miscellaneous wood products (244, 249)
242   Furniture and fixtures (25)
Stone, clay, glass, and concrete products
250   Glass and glass products (321-323)
251   Cement, concrete, gypsum, and plaster products (324, 327)
252   Structural clay products (325)
261   Pottery and related products (326)
262   Miscellaneous nonmetallic mineral and stone products (328, 329).
Metal industries
270   Blast furnaces, steelworks, rolling and finishing mills (331)
271   Iron and steel foundries (332)
272   Primary aluminum industries (3334, part 334, 3353-3355, 3361)
280   Other primary metal industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, 339)
281   Cutlery, handtools, and other hardware (342)
282   Fabricated structural metal products (344)
290   Screw machine products (345)
291   Metal forgings and stampings (346)
292   Ordnance (348)

APPENDIX A-5 - INDUSTRY CLASSIFICATION SYSTEM

300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries
	Machinery, except electrical
310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
320	Metalworking machinery (354)
321	Office and accounting machines (357, except 3573)
322	Electronic computing equipment (3573)
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery
	Electrical machinery, equipment, and supplies
340	Household appliances (363)
341	Radio, T.V., and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
350	Not specified electrical machinery, equipment, and supplies
	Transportation equipment
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
370	Cycles and miscellaneous transportation equipment (375, 379)
	Professional and photographic equipment, and watches
371	Scientific and controlling instruments (381, 382)
372	Optical and health services supplies (383, 384, 385)
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
382	Not specified professional equipment
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 exc. 394)
392	Not specified manufacturing industries

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

	Transportation
400	Railroads (40)
401	Bus service and urban transit (41, except 412)
402	Taxicab service (412)
410	Trucking service (421, 423)
411	Warehousing and storage (422)
412	U.S. Postal Service (43)
420	Water transportation (44)
421	Air transportation (45)
422	Pipe lines, except natural gas (46)
432	Services incidental to transportation (47)
	Communications
440	Radio and television broadcasting (483)
441	Telephone (wire and radio) (481)
442	Telegraph and miscellaneous communication services (482, 489)
	Utilities and sanitary services
460	Electric light and power (491)

461   Gas and steam supply systems (492, 496)
462   Electric and gas, and other combinations (493)
470   Water supply and irrigation (494, 497)
471   Sanitary services (495)
472   Not specified utilities

WHOLESALE TRADE

Durable Goods

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

Nondurable Goods

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

RETAIL TRADE

580   Lumber and building material retailing (521, 523)
581   Hardware stores (525)
582   Retail nurseries and garden stores (526)
590   Mobile home dealers (527)
591 (D) Department stores (531)
592   Variety stores (533)
600   Miscellaneous general merchandise stores (539)
601 (E) Grocery stores (541)
602   Dairy products stores (545)
610   Retail bakeries (546)
611   Food stores, n.e.c. (542, 543, 544, 549)
612   Motor vehicle dealers (551, 552)
620   Auto and home supply stores (553)
621   Gasoline service stations (554)
622   Miscellaneous vehicle dealers (555, 556, 557, 559)
630   Apparel and accessory stores, except shoe (56, except 566)
631   Shoe stores (566)

632   Furniture and home furnishings stores (571)
640   Household appliances, TV, and radio stores (572, 573)
641 (F) Eating and drinking places (58)
642   Drug stores (591)
650   Liquor stores (592)
651   Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652   Book and stationery stores (5942, 5943)
660   Jewelry stores (5944)
661   Sewing, needlework and piece goods stores (5949)
662   Mail order houses (5961)
670   Vending machine operators (5962)
671   Direct selling establishments1establishments (5963)
672   Fuel and ice dealers (598)
681   Retail florists (5992)
682   Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
691   Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

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

BUSINESS AND REPAIR SERVICES

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

740   Computer and data processing services (737)
741   Detective and protective services (7393)
742   Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
750   Automotive services, except repair (751, 752, 754)
751   Automotive repair shops (753)
752   Electrical repair shops (762, 7694)
760   Miscellaneous repair services (763, 764, 7692, 7699)

PERSONAL SERVICES

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

791   Miscellaneous personal services (722, part 729)

ENTERTAINMENT AND RECREATION SERVICES

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

PROFESSIONAL AND RELATED SERVICES

812   Offices of physicians (801, 803)
820   Offices of dentists (802)
821   Offices of chiropractors (8041)
822   Offices of optometrists (8042)
830   Offices of health practitioners, n.e.c. (8049)
831 (K) Hospitals (806)
832   Nursing and personal care facilities (805)
840   Health services, n.e.c. (807, 808, 809)
841   Legal services (8l)
842 (L) Elementary and secondary schools (821)
850 (M) Colleges and universities (822)
851   Business, trade, and vocational schools (824)
852   Libraries (823)
860   Educational services, n.e.c. (829)
861   Job training and vocational rehabilitation services (833)
862   Child day care services (835)
870   Residential care facilities, without nursing (836)
871   Social services, n.e.c. (832, 839)
872   Museums, art galleries, and zoos (84)
880   Religious organizations (866)
881   Membership organizations (861-865, 869)
882   Engineering, architectural, and surveying services (891)
890   Accounting, auditing, and bookkeeping services (893)
891   Noncommercial educational and scientific research (892)
892   Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

900   Executive and legislative offices (911-913)
901   General government, n.e.c. (919)
910   Justice, public order, and safety (92)
921   Public finance, taxation, and monetary policy (93)
922   Administration of human resources programs (94)
930   Administration of environmental quality and housing programs (95)
931   Administration of economic programs (96)
932   National security and international affairs (97)
991   Member of the Armed Forces

8 ADDRESS (Sheet ____ Line ____)

8a What is your street address?

House number, street, Apt. number, or other identifiable sign

8b Special place name

8d Type code

8e Sample number

AREA SEGMENTS ONLY

Place   County   State   ZIP Code

8c Is this also your mailing address?   ☐ Yes   ☐ No – Specify below

Route number, P.O. Box, or other identifiable sign

Place   County   State   ZIP Code

9 YEAR BUILT

When was this structure originally built?

☐ Ask first visit
☐ DO NOT ASK

☐ Before 4-1-80 – Continue interview
☐ After 4-1-80 – Complete new 10z when required IND INTERVIEW

10 COVERAGE QUESTIONS

☐ Ask items marked
☐ DO NOT ASK

10a Are there any occupied or vacant living quarters besides your own in this building?   ☐ Yes – Fill Table X   ☐ No

10b Are there any occupied or vacant living quarters besides your own on this floor?   ☐ Yes – Fill Table X   ☐ No

10c Is there any other building on this property for people to live in – either occupied or vacant?   ☐ Yes – Fill Table X   ☐ No

OFFICE USE ONLY

11 GEOGRAPHIC LOCATION – FILL ON MOVER'S NEW CONTROL CARD

11a Is that address within the limits of a city, town, or village?
1 ☐ Yes – What is the name? _____
2 ☐ No – Not within the limits of a city, town, or village

11b Address is:
1 ☐ Within a SPP PSU
2 ☐ 0 – 24
3 ☐ 25 – 49
4 ☐ 50 – 74
5 ☐ 75 – 100
6 ☐ 100+

12 LAND USE

12a Follow instructions for box that is marked
1 ☐ URBAN – SKIP to item 13
2 ☐ RURAL – Reg. units and SP PL units coded 05 00 in 8d – ASK item 17b
   SP PL units not coded 05 00 in 8d – Mark "No" in item 12b without asking, then go to item 13
3 ☐ Unclassified – ASK 17b, or mark by observation

12b During the past 12 months did sales of crops, livestock, and other farm products from this place amount to $1,000 or more?
1 ☐ Yes
2 ☐ No

13 CLASSIFICATION OF LIVING QUARTERS – Mark by observation

13a FIELD REPRESENTATIVE CHECK ITEM

Unit is:
1 ☐ In a Special Place – Refer to Table A in Part C of manual and mark appropriate box in either 13c or 13d
2 ☐ NOT in a Special Place

13b ACCESS
1 ☐ Direct – Go to item 13c
2 ☐ Through another unit – Not a separate HU, combine with unit through which access is gained. Apply merged unit procedures if appropriate.

13c HOUSING units
1 ☐ House, apartment, flat
2 ☐ HU, in nontransient hotel, motel, etc.
3 ☐ HU, permanent in transient hotel, motel, etc.
4 ☐ HU, in rooming house
5 ☐ Mobile home or trailer with NO permanent room added
6 ☐ Mobile home or trailer with one or more permanent rooms added
7 ☐ HU not specified above – Describe in notes

13d OTHER units
8 ☐ Quarters not HU in rooming or boarding house
9 ☐ Unit not permanent in transient hotel, motel, etc.
10 ☐ Unoccupied site for mobile home, trailer, or tent
11 ☐ OTHER unit not specified above – Describe in notes

14 UNITS IN STRUCTURE

ASK IF NOT APPARENT –
How many housing units both occupied and vacant, are there in this structure?

1 ☐ Only OTHER units
2 ☐ Mobile home or trailer
3 ☐ One, detached
4 ☐ One, attached
5 ☐ Two
6 ☐ 3 – 4
7 ☐ 5 – 9
8 ☐ 10 – 19
9 ☐ 20 – 49
10 ☐ 50 or more

15 TENURE

ASK IF NOT APPARENT –
Are your living quarters –
1 ☐ Owned or being bought by you or someone in your household?
2 ☐ Rented for cash?
3 ☐ Occupied without payment of cash rent?

16 CHARACTERISTICS OF UNIT – UPDATE/VERIFY EACH WAVE

16a ASK ONLY IF UNIT IS RENTED (Otherwise go to item 16a on page 2, or 21b if first interview at mover's new address)
Is this residence in a public housing project, that is, is it owned by a local housing authority?
1 ☐ Yes – Go to item 16a, page 2 OR 21b if first interview at mover's new address
2 ☐ No
x1 ☐ DK

16b Is the Federal, State or local government paying part of the rent for this residence?
1 ☐ Yes   } Go to item 16a, page 2 OR 21b if first interview at mover's new address
2 ☐ No
x1 ☐ DK

NOTES

18 HOUSEHOLD FINAL INTERVIEW STATUS – Complete after interview

Wave (a)	Code (b)	If codes 06, 18, or 22, specify (c)
1		
2		
3		
4		
5		
6		
7		
8		

17 CHARACTERISTICS OF TYPE A OR D HOUSEHOLD

Verify for each space assigned

17a Race of reference person – Enter code from Flashcard

17b Sex of reference person
1 ☐ Male
2 ☐ Female

17c Size of household – Count all children and adults

Wave (a)	Month (b)	Day (c)
1		
2		
3		
4		
5		
6		
7		
8		

38 RECORD OF VISITS, CONTROL CARD RESPONDENT PERSON NUMBER AND APPOINTMENTS

			Personal visits		Telephone calls					
Wave (a)	Month (b)	Day (c)	Tally (d)	Total (e)	Tally (f)	Total (g)	cc respondent person number (h)	O – Observ. R – Reint. (i)	Appointment time and date NA – No appointment (j)	Field Representative name (k)
1										
2										
3										
4										
5										
6										
7										
8										

39 FUTURE CONTACTS – Read Flashcard T and fill 39a – c. Verify and update for waves 2 – 8. If additional contacts required, use page 4.

39a What is your telephone number?   ☐ Refused   ☐ None
(   )

39b What is the best time to call or visit?   a.m.   p.m.

39c Please give me the name, address, and telephone number of a close relative or friend who would know how to reach you if we are unable to contact you.

Name   Relationship to person no. ____

Address (No., St., Apt. No., City, State, ZIP code)   Telephone number (include area code)

INTRODUCTION

INITIAL VISIT – Hello, I am (Field Representative's name) from the United States Bureau of the Census. Here is my identification card. We are conducting a survey on the economic situation of people who live in the United States. I have some questions to ask you. Did you receive our letter?

RETURN VISIT – Hello, I am (Field Representative's name) from the United States Bureau of the Census. Here is my identification card. Several months ago this household was contacted concerning a survey on the economic situation of people who live in the United States. I have some further questions to ask on this subject. Did you receive our letter? Update items 15a and 16b if appropriate, then GO TO ITEM 21 on page 2

CODES FOR HOUSEHOLD INTERVIEW STATUS

Wave 1 Interview status

01 – Interviewed

Type A – Noninterview
02 – No one home
03 – Temporarily absent
04 – Refused
05 – Unable to locate
06 – Other Specify

Type B – Noninterview
09 – Vacant
10 – Occupied by persons with URE
11 – Unfit or to be demolished
12 – Under construction, not ready
13 – Converted to temporary business or storage
14 – Unoccupied site for mobile home, trailer, or tent
15 – Permit granted, construction not started
18 – Other Specify

Type C – Noninterview
17 – Demolished
18 – House or trailer moved
19 – Converted to permanent business or storage
20 – Merged
21 – Condemned
22 – Other Specify

Waves 2 – 8 Interview status

01 – Interviewed

Type A – Noninterview
02 – No one home
03 – Temporarily absent
04 – Refused
05 – Unable to locate
06 – Other Specify

Type B – Noninterview
18 – Entire HH institutionalized or temporarily ineligible

Type C – Noninterview
23 – Deleted (sample adjustment, error)
23 – Entire household deceased, moved out of country, or living in armed forces barracks

Type D – Noninterview
24 – Moved, address unknown
25 – Moved within country beyond limit

26 – All sample persons released on new Control Card (On old cc enter 26 in item 30)

HOUSEHOLD RECORD (Card ____ of ____)

| CONTROL NUMBER | | SEGMENT TYPE | | W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 | EXTRA UNIT Original spot control number | OFFICE USE ONLY | | FORM SIPP-11001 | U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS |

FILL ITEMS 17 - 30 FOR ALL PERSONS LIVING OR STAYING HERE — **FILL FOR UPDATE AS APPROPRIATE ITEMS 23 - 33 FOR HOUSEHOLD MEMBERS ONLY**

HOUSEHOLD ROSTER

FIRST INTERVIEW AT WAVE 1 ADDRESS —

What are the names of all persons living or staying here? Start with the name of the person or one of the persons who owns, rents this home. Please include middle and maiden names. Leave one blank space between each part of name.

FIRST INTERVIEW AT MOVER'S NEW ADDRESS for mover's new address — Fill items 17 - 19a before the interview.

Last, First, Middle, Maiden

RELATIONSHIP TO REFERENCE PERSON (RP)

HOUSEHOLD MEMBER

DATE ENTERED OR LEFT

BIRTH DATE/AGE

PERSON NUMBER OF PARENT

MARITAL STATUS

PERSON NUMBER OF SPOUSE

DESIGNATED PARENT OR GUARDIAN

SEX

RACE

ORIGIN

HOUSEHOLD ROSTER COVERAGE

• WAVE 1 INTERVIEW

• SUBSEQUENT INTERVIEWS

| | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

HOUSING UNIT COVERAGE - WAVE 1 INTERVIEW

FIELD REPRESENTATIVE CHECK ITEM

ASK IF 15 OR OLDER

EDUCATION | ARMED FORCES | SOCIAL SECURITY

FIELD REPRESENTATIVE   Go to first questionnaire interview

TRANSCRIPTION ITEMS (Card _____ of _____)

FIELD REPRESENTATIVE INSTRUCTIONS ▶ These columns are to be filled after the interview. Fill a column for each household member listed in Household Roster who is age 15 or older.

Panel 1 (COL. 1)

40 Person number · **41 Name** · Respondent person number

EMPLOYMENT

42 NAME OF EMPLOYER

Emp. I.D.		W1	W2	W3	W4	W5	W6	W7	W8
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

43 NAME OF BUSINESS/FARM

Bus. I.D.		W1	W2	W3	W4	W5	W6	W7	W8
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INTERVIEW STATUS

44 PERSON INTERVIEW STATUS

Line No.	Code		W1	W2	W3	W4	W5	W6	W7	W8
0		Ineligible for interview (code 903)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
1		Noninterview – No interview obtained (code 901)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		Interview – No ISS code marked below in items 15–17 (code 902)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INCOME

45 INCOME SOURCES (1–56) · Mark box only if indicated on ISS

Line No.	Code		W1	W2	W3	W4	W5	W6	W7	W8
3			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
5			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
6			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
7			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
8			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
9			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

46 ASSETS (100–180)

Line No.		W1	W2	W3	W4	W5	W6	W7	W8
10		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
11		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
12		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
13		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
14		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
15		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
16		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

47 SPECIAL INDICATORS

Line No.		W1	W2	W3	W4	W5	W6	W7	W8
17		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
18		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
19		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

Panel 2 (COL. 2)

40 Person number · **41 Name** · Respondent person number

EMPLOYMENT

42 NAME OF EMPLOYER

Emp. I.D.		W1	W2	W3	W4	W5	W6	W7	W8
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

43 NAME OF BUSINESS/FARM

Bus. I.D.		W1	W2	W3	W4	W5	W6	W7	W8
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INTERVIEW STATUS

44 PERSON INTERVIEW STATUS

Line No.	Code		W1	W2	W3	W4	W5	W6	W7	W8
0		Ineligible for interview (code 903)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
1		Noninterview – No interview obtained (code 901)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		Interview – No ISS code marked below in items 15–17 (code 902)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INCOME

45 INCOME SOURCES (1–56) · Mark box only if indicated on ISS

Line No.	Code		W1	W2	W3	W4	W5	W6	W7	W8
3			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
5			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
6			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
7			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
8			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
9			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

46 ASSETS (100–180)

Line No.		W1	W2	W3	W4	W5	W6	W7	W8
10		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
11		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
12		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
13		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
14		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
15		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
16		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

47 SPECIAL INDICATORS

Line No.		W1	W2	W3	W4	W5	W6	W7	W8
17		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
18		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
19		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

Panel 3 (COL. 3)

40 Person number · **41 Name** · Respondent person number

EMPLOYMENT

42 NAME OF EMPLOYER

Emp. I.D.		W1	W2	W3	W4	W5	W6	W7	W8
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

43 NAME OF BUSINESS/FARM

Bus. I.D.		W1	W2	W3	W4	W5	W6	W7	W8
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INTERVIEW STATUS

44 PERSON INTERVIEW STATUS

Line No.	Code		W1	W2	W3	W4	W5	W6	W7	W8
0		Ineligible for interview (code 903)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
1		Noninterview – No interview obtained (code 901)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		Interview – No ISS code marked below in items 15–17 (code 902)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INCOME

45 INCOME SOURCES (1–56) · Mark box only if indicated on ISS

Line No.	Code		W1	W2	W3	W4	W5	W6	W7	W8
3			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
5			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
6			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
7			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
8			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
9			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

46 ASSETS (100–180)

Line No.		W1	W2	W3	W4	W5	W6	W7	W8
10		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
11		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
12		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
13		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
14		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
15		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
16		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

47 SPECIAL INDICATORS

Line No.		W1	W2	W3	W4	W5	W6	W7	W8
17		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
18		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
19		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

MOVERS

	Person number(s)	Entire HH moved ☐ — If box is marked fill 34b	New telephone number
1	New address — Number and street		
	City	State	ZIP Code
	Other Identification		Wave move discovered
2	Person number(s)		New telephone number
	New address — Number and street		
	City	State	ZIP Code
	Other Identification		Wave move discovered
3	Person number(s)		New telephone number
	New address — Number and street		
	City	State	ZIP Code
	Other Identification		Wave move discovered
4	Person number(s)		New telephone number
	New address — Number and street		
	City	State	ZIP Code
	Other Identification		Wave move discovered
5	Person number(s)		New telephone number
	New address — Number and street		
	City	State	ZIP Code
	Other Identification		Wave move discovered

Item 34, Cont'd

OFFICE USE ONLY | 0054

34b

If entire household moved, try to determine

Is the address within the limits of a city, town, or village?

1 ☐ Yes — What is the name?

_____

2 ☐ No — Not within the limits of a city, town, or village

MERGED HOUSEHOLD MATCH TABLE

New person number	PREVIOUS IDENTIFICATION					
	PSU	Segment	Serial	Sample designation	Entry address ID	Person number
(a)	(b)	(c)	(d)	(e)	(f)	(g)
0054	0056	0058	0062	0054	0066	0068
0070	0072	0074	0076	0078	0080	0082
0084	0086	0088	0090	0092	0094	0096
0098	0100	0102	0104	0106	0108	0110
0112	0114	0116	0118	0120	0122	0124
0126	0128	0130	0132	0134	0136	0138
0140	0142	0144	0146	0148	0150	0152
0154	0156	0158	0160	0162	0164	0166

CODES FOR 18b

01 — Reference Person WITH relatives in household
02 — Reference Person with NO relatives in household
03 — Husband/Wife
04 — Natural/Adopted child
05 — Stepchild
06 — Foster child
07 — Grandchild
08 — Parent
09 — Brother/Sister
10 — Other relative of Reference Person
11 — Non-relative of Reference Person WITH OWN relatives in household
12 — Partner/Roommate
13 — Non-relative of Reference Person (other than partner/roommate) with NO OWN relatives in household

ENTERED CODES FOR 23

Entered — This Wave
01 — Birth
02 — Marriage
03 — Other
04 — (Use only with Item 31d)
13 — Re-entered sample after missing one or more waves
16 — From Institution
17 — From Armed Forces barracks
18 — From outside the country
19 — Due to separation or divorce

Entered — Should have been added in a previous wave
21 — Birth
22 — Marriage
23 — Other
24 — Sample person added during second interview period
36 — From Institution
37 — From Armed Forces barracks
38 — From outside the country
39 — Due to separation or divorce

LEFT CODES FOR 23

Left — This Wave
06 — Deceased
06 — Institutionalized
07 — Living in Armed Forces barracks
08 — Moved outside of country
09 — Separation or divorce
10 — Person number 201 + no longer living with sample person
11 — Other
12 — Use this code if instructed by your office
90 — Listed in error

Left — Should have been deleted in a previous wave
26 — Deceased
26 — Institutionalized
27 — Living in Armed Forces barracks
28 — Moved outside of country
29 — Separation or divorce
30 — 201 + person no longer living with sample person
31 — Other

CODES FOR 30

01 — German
02 — English
03 — Irish
04 — French
05 — Italian
06 — Scottish
07 — Polish
08 — Dutch
09 — Swedish
10 — Norwegian
11 — Russian
12 — Ukrainian
13 — Welsh
14 — Mexican-American
15 — Chicano
16 — Mexican
17 — Puerto Rican
18 — Cuban
19 — Central or South American (Spanish speaking)
20 — Other Spanish
21 — Afro-Amer. (Black or Negro)
30 — Another group not listed
90 — Don't know

CODES FOR 29

1 — White
2 — Black
3 — American Indian, Eskimo or Aleut
4 — Asian or Pacific Islander
5 — Other — Specify below

Person No.	Specify race

CODES FOR 37b

If more than one code applies, start with lowest number and enter codes in ascending order. Thus, if person served in Vietnam and in Korea enter "1", and then "2".

1 — Vietnam Era (Aug. '64 – April '75)
2 — Korean Conflict (June '50 – Jan. '55)
3 — World War II (Sept. '40 – July '47)
4 — World War I (Apr. '17 – Nov. '18)
5 — May 1975 to August 1980
6 — September 1980 or later
7 — Other Service (All other periods)

FUTURE CONTACTS (Continued) — Read flashcard T and RP 39a. Verify and update for waves 2–8.

Please give me the name, address, and telephone number of a close relative or friend who would know how to reach you if we are unable to contact you.

Name	Relationship to person no. ____
Address (No., St., Apt. No., City, State, ZIP Code)	Telephone number (include area code)

FUTURE CONTACTS (Continued) — Read flashcard T and RP 39a. Verify and update for waves 2–8.

Please give me the name, address, and telephone number of a close relative or friend who would know how to reach you if we are unable to contact you.

Name	Relationship to person no. ____
Address (No., St., Apt. No., City, State, ZIP Code)	Telephone number (include area code)

FUTURE CONTACTS (Continued) — Read flashcard T and RP 39a. Verify and update for waves 2–8.

Please give me the name, address, and telephone number of a close relative or friend who would know how to reach you if we are unable to contact you.

Name	Relationship to person no. ____
Address (No., St., Apt. No., City, State, ZIP Code)	Telephone number (include area code)

Section 4 — TOPICAL MODULES

Part A — SELECTED FINANCIAL ASSETS

Statement A ▶ Read to respondent: **These next questions concern various assets.**

ASK OR VERIFY —

1a. Did ... own any U.S. Savings Bonds as of *(Read last day of reference period)?*
(Type E or EE bonds only.)

8204	1 ☐ Yes
	2 ☐ No — *SKIP to Check Item T1*

b. What was the FACE VALUE of the U.S. Savings Bonds that ... owned?

(If ownership was shared, count only ...'s share.)

8206	$ [ ] . [00]
	x1 ☐ DK
	x2 ☐ Ref.

CHECK ITEM T1   Interview status of ...'s spouse

8208	1 ☐ No spouse in household — *SKIP to 2c*
	2 ☐ Interview for spouse not yet conducted
	3 ☐ Interview for spouse already conducted — *SKIP to 2c*

2a. As of *(Read last day of reference period)*, did ... own jointly with ...'s (husband/wife) any checking accounts which did NOT earn interest?

8209	1 ☐ Yes
	2 ☐ No
	x1 ☐ DK } *SKIP to 2c*
	x2 ☐ Ref.

b. What is your best estimate of the amount of money ... and ...'s (husband/wife) had in those checking accounts as of *(Read last day of reference period)?*

8210	$ [ ] . [00]
	x3 ☐ None
	x1 ☐ DK
	x2 ☐ Ref.

c. (Besides any checking accounts owned jointly with ...'s spouse,) as of *(Read last day of reference period)*, did ... own any (other) checking accounts which did NOT earn interest?

8232	1 ☐ Yes
	2 ☐ No
	x1 ☐ DK } *SKIP to Check Item T2*
	x2 ☐ Ref.

d. What is your best estimate of the amount of money ... had in those checking accounts as of *(Read last day of reference period)?*

(If account was shared, count only ...'s share.)

8233	$ [ ] . [00]
	x3 ☐ None
	x1 ☐ DK
	x2 ☐ Ref.

CHECK ITEM T2   Refer to cc item 24.
Is ... 21 years of age or older?

8258	1 ☐ Yes
	2 ☐ No — *SKIP to Statement B, page 58*

3a. Does ... have any Individual Retirement Accounts — any IRAs — in ...'s OWN name?
(If ... is only included in spouse's IRA account, mark the "No" box.)

8260	1 ☐ Yes
	2 ☐ No
	x1 ☐ DK } *SKIP to 4a*
	x2 ☐ Ref.

b. For how many years has ... contributed to ...'s IRA accounts?

8262	[ ] Years
	x1 ☐ DK
	x2 ☐ Ref. — *SKIP to 4a*

c. As of *(Read last day of reference period)*, what is the total balance or market value (including interest earned) of ...'s IRA accounts?

★

8264	$ [ ] . [00] — *SKIP to 4a*
	x1 ☐ DK
	x2 ☐ Ref. — *SKIP to 4a*

d. If I were to call back later would you be able to provide me with an estimate of the amount? (This information is especially important for the purposes of this survey.)

8266	1 ☐ Yes — *Mark Callback Summary and Reminder Card, Item 16*
	2 ☐ No

Part A — SELECTED FINANCIAL ASSETS (Continued)

4a. Does ... have a KEOGH account in ...'s OWN name?

`8284`
1 ☐ Yes
2 ☐ No
x1 ☐ DK
x2 ☐ Ref. } *SKIP to 5a*

b. For how many years has ... contributed to ...'s KEOGH account?

`8286` ☐☐ Years
x1 ☐ DK
x2 ☐ Ref. — *SKIP to 5a*

c. As of (Read last day of reference period), what was the total balance or market value of assets in ...'s KEOGH account(s)?

★

`8288` $ ☐ . ☐00 — *SKIP to 5a*
x1 ☐ DK
x2 ☐ Ref. — *SKIP to 5a*

d. If I were to call back later would you be able to provide me with an estimate of the amount? (This information is especially important for the purposes of this survey.)

`8290`
1 ☐ Yes — *Mark Callback Summary and Reminder Card, Item 17*
2 ☐ No

5a. Does ... have any life insurance? (Include group policies provided by employers.)

`8308`
1 ☐ Yes
2 ☐ No
x1 ☐ DK
x2 ☐ Ref. } *SKIP to Statement B, page 58*

b. What is the current FACE VALUE of ALL life insurance policies that ... has?

`8310` $ ☐ . ☐00
x1 ☐ DK
x2 ☐ Ref.

c. What type of life insurance does ... have — is it "term insurance", "whole life", or does ... have both of these types?

`8312`
1 ☐ Term only
2 ☐ Whole life only
3 ☐ Both types
x1 ☐ DK

NOTES

Section 4 — TOPICAL MODULES (Continued)

Part B — MEDICAL EXPENSES AND WORK DISABILITY

Statement B ➤ Read to respondent: **These next questions concern payments that . . . may have made last month for medical bills for himself/herself or his/her family.**

1. During *(Read last month)* did . . . pay any of the following:

a. Doctor bills? . . . . `8400` 1☐Yes   2☐No   x1☐DK

b. Dentist bills? . . . . `8402` 1☐Yes   2☐No   x1☐DK

c. Hospital bills? . . . . `8404` 1☐Yes   2☐No   x1☐DK

d. Expenses for prescription medicine? . . . . `8406` 1☐Yes   2☐No   x1☐DK

CHECK ITEM T3 | Is one or more "Yes" box marked in item 1? | `8408` 1☐Yes 2☐No — *SKIP to Check Item T4*

---

2. Not counting amounts already reported by another family member or amounts that will be reimbursed by insurance, how much did . . . pay for medical expenses in the month of *(Read last month)?*

`8410` $ [   ] . [00]

x1☐DK
x2☐Ref.

CHECK ITEM T4 | Refer to cc item 24. What is . . .'s age? | `8412` 1☐15 years old — *SKIP to Check Item T8*
2☐16 to 67 years old
3☐68 years old or older — *SKIP to Check Item T8*

Statement C ➤ **Now I want to ask about any health or physical condition . . . may have that affected . . .'s ability to work.**

CHECK ITEM T5 | Is "Disabled" (code 171) marked on the ISS for . . .? | `8414` 1☐Yes — *SKIP to 3a*
2☐No

CHECK ITEM T6 | Refer to cc item 47. Is "Disabled" (code 171) marked on the control card for . . .? | `8416` 1☐Yes
2☐No — *SKIP to 3b*

3a. We have recorded that . . .'s health or condition limits the kind or amount of work . . . can do. Is that correct? | `8418` 1☐Yes — *SKIP to Check Item T7*
2☐No — *SKIP to Check Item T8*

---

b. Does . . . have a physical, mental, or other health condition which limits the kind or amount of work . . . can do? | `8420` 1☐Yes — *Mark "171" on ISS*
2☐No — *SKIP to Check Item T8*

CHECK ITEM T7 | Is "Worked" (code 170) marked on the ISS? | `8422` 1☐Yes — *SKIP to Check Item T8*
2☐No

4a. Does . . .'s health or condition prevent . . . from working at a job or business? | `8424` 1☐Yes
2☐No — *SKIP to Check Item T8*

---

b. Has . . . been prevented from working for the past 12 months or longer? | `8426` 1☐Yes — *SKIP to Check Item T8*
2☐No

---

c. Is it likely that . . . will be able to work at some time in the next 12 months? | `8428` 1☐Yes
2☐No
x1☐DK

Go to Check Item T8

NOTES

B2–3

Part C — REAL ESTATE, SHELTER COSTS, DEPENDENT CARE, AND VEHICLES

CHECK ITEM T8 — Is this the reference person's questionnaire?

`8626`
1 ☐ Yes
2 ☐ No — SKIP to Check Item P1, page 62

Statement D ➤ Read to respondent: **These next questions concern housing costs and automobile ownership.**

CHECK ITEM T9 — Refer to cc item 15.

Tenure

`8630`
1 ☐ Owned or being bought
2 ☐ Rented for cash — SKIP to 2
3 ☐ Occupied without cash payment — SKIP to 3

ASK OR VERIFY —

1. Which persons in this household are the owners of this home?

Person No.   Name

`8532` ☐☐☐ _____

`8534` ☐☐☐ _____

`8536` ☐☐☐ _____

---

2. How much was this household's (rent/mortgage payment) last month?

(Include any condominium or association fees.)

`8538` $ ☐☐☐☐ . `00`

x3 ☐ None
x1 ☐ DK } SKIP to Check Item T11
x2 ☐ Ref.

---

3. How much did this household pay for electricity, gas, and other utilities last month?

(Other utilities include other fuels, water, and basic telephone service. Include only payments made in addition to those reported in item 2.)

`8540` $ ☐☐☐☐ . `00`

x3 ☐ Nothing or included in rent
x1 ☐ DK } SKIP to Check Item T11
x2 ☐ Ref.

CHECK ITEM T10 — Refer to cc items 19b, 23, and 24.

Composition of household

`8542`
1 ☐ One person household
2 ☐ Married-couple household, no other person 18 or older
3 ☐ Single parent household, no other person 18 or older
} SKIP to Check Item T11

4 ☐ Other composition

---

4. Did more than one of the persons living here pay for the (rent/mortgage payment) and utilities last month?

`8544`
1 ☐ Yes — SKIP to 6
2 ☐ No

---

5. Which person paid?

Person No.   Name

`8546` ☐☐☐ _____ } SKIP to Check Item T11

---

6. Which persons paid and how much did each pay?

	Person 1	Person 2	Person 3
	Person No.	Person No.	Person No.
	`8548` ☐☐☐	`8550` ☐☐☐	`8552` ☐☐☐
	Name	Name	Name
	_____	_____	_____
	`8554` $ ☐☐☐ . `00`	`8556` $ ☐☐☐ . `00`	`8558` $ ☐☐☐ . `00`
	x1 ☐ DK	x1 ☐ DK	x1 ☐ DK
	x2 ☐ Ref.	x2 ☐ Ref.	x2 ☐ Ref.

CHECK ITEM T11 — Refer to cc items 18 and 23.

Number of persons in household

`8560`
1 ☐ One — SKIP to Check Item T12
2 ☐ Two or more

Part C — REAL ESTATE, SHELTER COSTS, DEPENDENT CARE, AND VEHICLES (Continued)

7a. Last month, did anyone here pay for the care of a child or a disabled person so that a household member could work, attend training, or look for a job?

[8562] ₁ ☐ Yes
₂ ☐ No — SKIP to Check Item T12

b. What was the total cost of these care arrangements for the month of (Read last month)?

[8564] $ [____] . [00]
x₁ ☐ DK
x₂ ☐ Ref.

CHECK ITEM T12 Refer to cc items 16a and 16b.
Is this residence in a public housing project, is it subsidized, or is it neither public nor subsidized?

[8658] ₁ ☐ In a public housing project } SKIP to 9a
₂ ☐ Subsidized
₃ ☐ Neither public nor subsidized

8a. Does ... or anyone else in this household own any (other) real estate such as a vacation home or undeveloped lot? Exclude rental property previously reported or rental property attached to or located on the same land as ...'s own residence.

[8660] ₁ ☐ Yes
₂ ☐ No }
x₁ ☐ DK } SKIP to 9a

b. Which persons in this household are the owners of this (these) property(ies)?

	Person No.	Name
[8662]	[___]	
[8664]	[___]	

c. What is the total value of (Read persons' names) equity in this (these) property(ies)? (By equity we mean the amount that could be obtained by selling the property and paying off any debts.)

Count only share owned by household members.

[8666] $ [____] . [00]
x₁ ☐ DK
x₂ ☐ Ref.

9a. Does anyone in this household own a car, van, or truck, excluding recreational vehicles (RV's) and motorcycles?

[8714] ₁ ☐ Yes
₂ ☐ No — SKIP to 10a

b. How many cars, trucks, or vans are owned by members of this household?

[8716] [___] Number of motor vehicles

(Ask items 9c—9g for vehicle 1 and then return to 9c for additional vehicles.)	Vehicle 1	Vehicle 2	Vehicle 3
c. Who is (are) the owner(s) of the (newest, next newest) motor vehicle?	Person No. [8718] [___] Name _____	Person No. [8720] [___] Name _____	Person No. [8722] [___] Name _____
	Person No. [8724] [___] Name _____	Person No. [8726] [___] Name _____	Person No. [8728] [___] Name _____
d. What is the year, make, and model of this vehicle?	[8730] [1][9][__][__] x₁ ☐ DK	[8732] [1][9][__][__] x₁ ☐ DK	[8734] [1][9][__][__] x₁ ☐ DK
	Make _____ [8736] x₁ ☐ DK	Make _____ [8738] x₁ ☐ DK	Make _____ [8740] x₁ ☐ DK
	Model _____ [8742] x₁ ☐ DK	Model _____ [8744] x₁ ☐ DK	Model _____ [8746] x₁ ☐ DK
	OFFICE USE ONLY [8748] [_][_][_][_]	OFFICE USE ONLY [8750] [_][_][_][_]	OFFICE USE ONLY [8752] [_][_][_][_]

Part C — REAL ESTATE, SHELTER COSTS, DEPENDENT CARE, AND VEHICLES (Continued)

	Vehicle 1	Vehicle 2	Vehicle 3
9e. Is this vehicle owned free and clear, or is there still money owed on it?	`8754` ₁ ☐ Money owed ₂ ☐ Free and clear } SKIP to 9g ₓ₁ ☐ DK	`8756` ₁ ☐ Money owed ₂ ☐ Free and clear } SKIP to 9g ₓ₁ ☐ DK	`8758` ₁ ☐ Money owed ₂ ☐ Free and clear } SKIP to 9g ₓ₁ ☐ DK
f. How much is currently owed for this vehicle?	`8760` $ [ ] . [00] ₓ₁ ☐ DK — Probe ₓ₂ ☐ Ref.	`8761` $ [ ] . [00] ₓ₁ ☐ DK — Probe ₓ₂ ☐ Ref.	`8762` $ [ ] . [00] ₓ₁ ☐ DK — Probe ₓ₂ ☐ Ref.
g. Is this vehicle used primarily for either business purposes or for the transportation of a disabled person?	`8763` ₁ ☐ Yes ₂ ☐ No	`8764` ₁ ☐ Yes ₂ ☐ No	`8765` ₁ ☐ Yes ₂ ☐ No
CHECK ITEM T13 Is there another vehicle which has not been asked about?	`8766` ₁ ☐ Yes — Ask 9c for next vehicle ₂ ☐ No — Go to 10a	`8768` ₁ ☐ Yes — Ask 9c for next vehicle ₂ ☐ No — Go to 10a	Go to 10a

10a. Does anyone in this household own another kind of vehicle, not used for any business, such as a motorcycle, boat, or recreational vehicle?

Mark (X) all that apply.

`8770` ₁ ☐ Motorcycle
`8772` ₂ ☐ Boat
`8774` ₃ ☐ Recreational vehicle (RV)
`8776` ₄ ☐ Other — Specify ⤵

_____

`8778` ₅ ☐ No — SKIP to Check Item P1, page 62

Ask items 10b — 10e for each category of vehicle	Category 1		Category 2	
b. Who is (are) the owner(s) of the (Read first/second category marked in 10a)?	Person No.	Name	Person No.	Name
	`8780` [ ][ ][ ]		`8782` [ ][ ][ ]	
	`8784` [ ][ ][ ]		`8786` [ ][ ][ ]	
c. If this vehicle were sold, what would it sell for in its present condition?	`8788` $ [ ] . [00] ₓ₁ ☐ DK — Probe ₓ₂ ☐ Ref. — SKIP to Check Item T14		`8790` $ [ ] . [00] ₓ₁ ☐ DK — Probe ₓ₂ ☐ Ref. — SKIP to Check Item P1, page 62	
d. Is (are) this (these) vehicle(s) owned free and clear, or is there still money owed on it (them)?	`8792` ₁ ☐ Money owed ₂ ☐ Free and clear } SKIP to Check Item T14 ₓ₁ ☐ DK		`8794` ₁ ☐ Money owed ₂ ☐ Free and clear } SKIP to Check Item P1, page 62 ₓ₁ ☐ DK	
e. How much is currently owed for this (these) vehicle(s)?	`8796` $ [ ] . [00] ₓ₁ ☐ DK — Probe ₓ₂ ☐ Ref.		`8798` $ [ ] . [00] ₓ₁ ☐ DK — Probe ₓ₂ ☐ Ref.	
CHECK ITEM T14 Is there another vehicle which has not been asked about?	`8800` ₁ ☐ Yes — Ask 10b for next vehicle ₂ ☐ No — Go to Check Item P1, page 62		Go to Check Item P1, page 62	

Section 5 — PROGRAM QUESTIONS

CHECK ITEM P1	Refer to cc item 19b. Is this the reference person's questionnaire?	4800	1 ☐ Yes 2 ☐ No — *SKIP to Check Item C1, page 64*
CHECK ITEM P2	Refer to cc items 16a and 16b. Is this residence owned by the local housing authority OR does the government pay part of the rent? *("Yes" marked in cc item 16a or 16b)*	4802	1 ☐ Yes 2 ☐ No — *SKIP to 2a*

1a. What is your monthly rent?

4804 $ [_____] . [00]

x3 ☐ None
x1 ☐ DK } *SKIP to 2a*
x2 ☐ Ref.

b. (In addition to rent,) do you pay for any utilities such as water, electricity, gas, or oil?

Exclude telephone.

4806   1 ☐ Yes
2 ☐ No
x1 ☐ DK

2a. The government has an energy assistance program which helps pay heating and cooling costs. This assistance can be received directly by the household or it can be paid directly to the electric or gas company, fuel dealer, or landlord. Has this household received assistance of this type during the past 4 months?

4816   1 ☐ Yes
2 ☐ No } *SKIP to Check Item P3*
x1 ☐ DK

b. Was this assistance received in the form of checks, coupons or vouchers sent to this household, or were the payments sent directly to a utility company, fuel dealer, or landlord?

Mark (X) all that apply.

4818 1 ☐ Checks sent to household
4820 2 ☐ Coupons or vouchers sent to household
4822 3 ☐ Payments sent directly to utility company, fuel dealer, or landlord

c. What was the total amount of the energy assistance received by this household during the past 4 months?

4824 $ [_____] . [00]
x1 ☐ DK

CHECK ITEM P3	Are there any children 5 to 18 years old who live in this household?	4826	1 ☐ Yes 2 ☐ No — *SKIP to Check Item C1, page 64*

3a. Do any of the children in this household usually eat a complete hot lunch offered at school?

4828   1 ☐ Yes
2 ☐ No — *SKIP to Check Item C1, page 64*

b. How many children?

4830   [____] Children

c. How many complete school lunches do all of the children eat per week?

4832   [____] Number of lunches
x1 ☐ DK

d. Did you (or another person) apply for the children to receive free or reduced-price lunches under the Federal School Lunch Program during this school year?

4834   1 ☐ Yes
2 ☐ No — *SKIP to 3f*

e. In the past 4 months, were the lunches free, reduced-price, or were they full-price?

Mark (X) all that apply.

4836   1 ☐ Free lunch — *SKIP to 3g*
2 ☐ Reduced-price lunch
3 ☐ Full-price lunch

f. What was the average price paid by all of the children for a complete school lunch?

4838 $ [_____] . [____]
x1 ☐ DK

g. Do any of the children usually eat breakfast at school under the Federal School Breakfast Program?

4840   1 ☐ Yes
2 ☐ No — *SKIP to Check Item C1, page 64*

h. How many children?

4842   [____] Children

i. How many complete school breakfasts do all of the children eat per week?

4844   [____] Number of breakfasts
x1 ☐ DK

j. In the past 4 months, were the breakfasts free, reduced-price, or were they full-price?

Mark (X) all that apply.

4846   1 ☐ Free breakfast
2 ☐ Reduced-price breakfast
3 ☐ Full-price breakfast

CALLBACK SUMMARY

CHECK ITEM C1	Are any items marked on Reminder Card for . . .?	5000	1 ☐ Yes — Mark appropriate item(s) below, then SKIP to Check Item C2 2 ☐ No — SKIP to Check Item C2

☐ **1.** Social Security Number *(Enter in cc Item 33a)*

☐☐☐ - ☐☐ - ☐☐☐☐   x1 ☐ DK   x3 ☐ None
                                                          x2 ☐ Ref.

☐ **2.** Medicare claim number *(Item 23b, page 8)*
5002 ☐☐☐ - ☐☐ - 5004 ☐☐☐☐ - 5005 ☐☐

3. EMPLOYER	5006	$. 00	Last month	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
a. Employer #1 (Item 8a, page 17)	5008	$. 00	2 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
What was the total amount of pay received before deductions on this job in . . .?	5010	$. 00	3 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
	5012	$. 00	4 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
b. Employer #2 (Item 16a, page 19)	5014	$. 00	Last month	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
What was the total amount of pay received before deductions on this job in . . .?	5016	$. 00	2 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
	5018	$. 00	3 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
	5020	$. 00	4 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
4. SELF-EMPLOYMENT	5022	$. 00	Last month	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
a. Self-employment #1 (Item 7, page 21)	5024	$. 00	2 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
What was the total amount of income received from this business in . . .?	5026	$. 00	3 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
	5028	$. 00	4 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
b. Self-employment #2 (Item 18, page 23)	5030	$. 00	Last month	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
What was the total amount of income received from this business in . . .?	5032	$. 00	2 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
	5034	$. 00	3 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	
	5036	$. 00	4 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None	

Amounts as of [Month/day/year _____] (the last day of the reference period)

☐ **5.** What was the total amount in savings/Money market deposit accounts/CD's/Interest-earning checking accounts held jointly by husband and wife? *(Item 2c, page 48)*
5038 $ _____ . 00
    x1 ☐ DK
    x2 ☐ Ref.
    x3 ☐ None

☐ **6.** What was the total amount in savings/Money market deposit accounts/CD's/Interest-earning checking accounts in own name? *(Item 3c, page 48)*
5040 $ _____ . 00
    x1 ☐ DK
    x2 ☐ Ref.
    x3 ☐ None

☐ **7.** What was the total amount in Money market funds/securities/ bonds held jointly by husband and wife? *(Item 2c, page 49)*
5042 $ _____ . 00
    x1 ☐ DK
    x2 ☐ Ref.
    x3 ☐ None

☐ **8.** What was the total amount in Money market funds/securities/bonds in own name? *(Item 3c, page 49)*
5044 $ _____ . 00
    x1 ☐ DK
    x2 ☐ Ref.
    x3 ☐ None

CALLBACK SUMMARY (Continued)

Amounts for the 4-month period of	**Month**	through **Month**

☐ **9.** What was the amount received in dividends jointly by husband and wife during the 4-month period? *(Item 1b, page 50)*

[6048] $ ____ . 00
- x1 ☐ DK
- x2 ☐ Ref.
- x3 ☐ None

☐ **10.** What was the amount received in dividends in own name during the 4-month period? *(Item 2a, page 50)*

[6050] $ ____ . 00
- x1 ☐ DK
- x2 ☐ Ref.
- x3 ☐ None

Amounts as of	**Month/day/year**	(the last day of the reference period)

☐ **11.** What was the market value of stocks and mutual funds held jointly by husband and wife? *(Item 4a, page 50)*

[8858] $ ____ . 00
- x1 ☐ DK
- x2 ☐ Ref.
- x3 ☐ None

☐ **12.** What was the market value of stocks and mutual funds held in own name? *(Item 5b, page 51)*

[8860] $ ____ . 00
- x1 ☐ DK
- x2 ☐ Ref.

☐ **13.** What was the market value of rental property owned jointly by husband and wife? *(Item 2g, page 52)*

[8862] $ ____ . 00
- x1 ☐ DK
- x2 ☐ Ref.

☐ **14.** What was the market value of rental property owned in own name? *(Item 3g, page 53)*

[8864] $ ____ . 00
- x1 ☐ DK
- x2 ☐ Ref.

☐ **15.** What was the share of equity in rental property held jointly with others? *(Item 4h, page 54)*

[8866] $ ____ . 00
- x1 ☐ DK
- x2 ☐ Ref.

☐ **16.** What was the total balance or market value (including interest earned) of IRA accounts? *(Item 3c, page 56)*

[8868] $ ____ . 00
- x1 ☐ DK
- x2 ☐ Ref.

☐ **17.** What was the total balance or market value of assets in KEOGH account(s)? *(Item 4c, page 57)*

[8870] $ ____ . 00
- x1 ☐ DK
- x2 ☐ Ref.

CHECK ITEM CZ Has an interview been conducted for all household members 15 + ?

[6052]
- 1 ☐ Yes — *Enter finish time on cover page, fill cc items 36 and 39 and END INTERVIEW*
- 2 ☐ No — *Enter finish time for this household member, THEN interview next 15 + household member*

NOTES

INCOME SOURCE LIST

INCOME LIST

Code	Type	Code	Type
1	Social Security	28	Child support payments
2	U.S. Government Railroad Retirement pay	29	Alimony payments
3	Federal Supplemental Security Income (SSI)	30	Pension from company or union
4	State Supplemental Security Income (State administered SSI only)	31	Federal Civil Service or other Federal civilian employee pensions
5	State unemployment compensation	32	U.S. Military retirement pay
6	Supplemental Unemployment Benefits	33	National Guard or Reserve Forces retirement
7	Other unemployment compensation (Trade Adjustment Act benefits, strike pay, other)	34	State government pensions
		35	Local government pensions
8	Veterans' compensation or pensions	36	Income from paid-up life insurance policies or annuities
9	Black lung payments	37	Estates and trusts
10	Workers' compensation	38	Other payments for retirement, disability or survivor
11	State temporary sickness or disability benefits	40	G.I. Bill
12	Employer or union temporary sickness policy	41	Other VA educational assistance
13	Payments from a sickness, accident or disability insurance policy purchased on your own	50	Income assistance from a charitable group
20	Aid to Families with Dependent Children (AFDC, ADC)	51	Money from relatives or friends
21	General assistance or General relief	52	Lump sum payments
22	Indian, Cuban, or Refugee Assistance	53	Income from roomers or boarders
23	Foster child care payments	54	National Guard or Reserve pay
24	Other welfare	55	Incidental or casual earnings
25	WIC (Women, Infants and Children Nutrition Program)	56	Other cash income not included elsewhere
27	Food stamps		

ASSET LIST / SPECIAL INDICATORS

Code	Type	Code	Type
100	Regular/passbook savings accounts in a bank, savings and loan or credit union	170	Worked
		171	Disabled
101	Money market deposit accounts	172	Medicare
102	Certificates of Deposit or other savings certificates	173	Medicaid
103	Interest-earning checking accounts (such as NOW or Super NOW accounts)	174	U.S. Savings Bonds (E, EE)
104	Money market funds	175	College work study
105	U.S. Government securities	176	PELL Grant
106	Municipal or corporate bonds	177	Supplemental Educational Opportunity Grant (SEOG)
107	Other interest-earning assets	178	National Direct Student Loan (NDSL)
110	Stocks or mutual fund shares	179	Guaranteed Student Loan
120	Rental property	180	JTPA Training
130	Mortgages	181	Employer assistance
140	Royalties	182	Fellowship/Scholarship
150	Other financial investments	183	Other financial aid
		200	VA disability rating of 100%
		201	VA disability of less than 100%

INCOME SOURCE SUMMARY (ISS)

INSTRUCTION — Column (a) shows the income source code. In column (b), mark (X) for all sources from which income was received during the reference period. In column (c), enter the code to indicate whether the respondent used records to verify or provide amounts. Column (d) shows the type of income source. The Amounts section should be filled starting with the page number shown in column (e) for those income sources which have been marked.

[PER 0] ISS code (a)	Mark (X) (b)	Record use code 1 = Yes 2 = No 3 = Ref. 4 = Sp. Q. (c)	Type of income source and income source code REMINDER — After obtaining amounts for each income source, probe to determine whether the respondent was using records to provide amounts. (d)	Amounts section page number (e)
1			**INCOME CODES 1-7** Social Security	
2			U.S. Government Railroad Retirement pay	
3			Federal Supplemental Security Income (SSI)	
5			State Unemployment compensation	
6			Supplemental Unemployment Benefits	
8			**INCOME CODES 8-13** Veterans' compensation or pensions	
20			**INCOME CODES 20-29** Aid to Families with Dependent Children (AFDC, ADC)	
24			Other Welfare — Specify	
26			WIC (Women, Infants, and Children Nutrition Program)	
27			Food Stamps	(A) - 24
28			Child Support payments	28
29			Alimony payments	32
				36
				40
				44
30			**INCOME CODES 30-38** Pension from company or union	
40			**INCOME CODES 40-41** GI Bill education benefits	
55			**INCOME CODES 50-56** Incidental or casual earnings	
-			**ASSET CODES 100-150** Interest Earning Assets	
100			Regular/passbook/savings accounts in a bank, savings and loan or credit union	
101			Money market deposit accounts	(B)-48
102			Certificates of Deposit or other savings certificates	
103			Interest-earning checking accounts (such as NOW or Super NOW accounts)	
104			Money market funds	
105			U.S. Government securities	
106			Municipal or corporate bonds	(C) - 49
107			Other interest-earning assets	
110			Stocks or mutual fund shares	(D) - 50
120			Rental property	(E) - 51
130			Mortgages	
140			Royalties	(F) - 52
150			Other financial investments	
170			**SPECIAL INDICATOR CODES 170-183, 200, 201** Worked	Section 2
171			Disabled	
172			Medicare	
173			Medicaid	
174			U.S. Savings Bonds	DO NOT FILL
200			VA disability rating of 100%	
201			VA disability rating of less than 100%	

PRE-INTERVIEW TRANSCRIPTION ITEMS

Fill the following items with a red pencil.

APPENDIX C

Working Papers

This appendix provides a list of a SIPP Working Papers. Any of these papers are free of charge. See the order form on page C-7.

1990

9001 - "Recent Developments in the Survey of Income and Program Participation", Census Bureau

9002 - "An Analysis of Leaving Home Using Data From the 1984 Panel of the SIPP", by Alden Speare, Roger Avery, Frances Goldscheider, Brown University

9003 - "The Effect of the Marriage Market on First Marriages: Evidence From SIPP", John Fitzgerald, Bowdoin College

9004 - "Counting Spells of Unemployment", Paul Ryscavage and Kathleen Short, Census Bureau

9005 - "The Elderly and Their Sources of Income: Implications for Rural Development", Robert Hoppe, Economic Research Service, U.S. Department of Agriculture

9006 - "Alternative Estimates of Economic Well-Being by Age Using Data on Wealth and Income, Daniel Radner, Social Security Administration

9007 - "Longitudinal Analysis of Federal Survey Data", Patricia Ruggles, Joint Economic Committee

9008 - "Measurement Errors in SIPP Program Reports", Kent H. Marquis and Jeffrey C. Moore, Census Bureau

9009 - "Handling Single Wave Nonresponse in Panel Survey," R. Singh, V. Huggins, and D. Kasprzyk, Census Bureau

9010 - "Nonresponse Research for SIPP," R. Petroni, Census Bureau

9011 - "The Seam Effect in Panel Surveys," G. Kalton, D. Hill, and M. Miller, University of Michigan

9012 - "The Effects of Being Uninsured on Health Care Service Use: Estimates from the SIPP," S. Long and J. Rodgers, Congressional Budget Office

9013 - "Wage Differential and Job Changes," S. Seninger and D. Greenberg, University of Maryland

9014 - "Wages and Employment Among the Working Poor: New Evidence From SIPP," S. Long and A. Martini, The Urban Institute and Mathematica Policy Research

9015 - "Pension Portability & Labor Mobility: Evidence from SIPP," A. Gustman and T. Steinmeier, Dartmouth College and Texas Tech University

9016 - "Response & Procedural Error Variance in Surveys: An Application of Poisson and Newman Type A Regression," D. Hill, University of Toledo

9017 - "Aging and the Income Value of Housing Wealth," S.F. Venti and D.A. Wise, Darmouth College and Harvard University

9018 - "Welfare Participation and Welfare Recidivism: The Role of Family Events," S.K. Long, The Urban Institute

9019 - "Racial Differences in Health and Health Care Service Utilization: The Effect of Socioeconomic Status," J.E. Mutchler and J.A. Burr, State University of New York at Buffalo

9020 - "Living Benefits: Closing the Gap for LTC Financing," D.G. Shea, Pennsylvania State University

9021 - "SIPP Record Check Results: Implications for Measurement Principles and Practice," K.H. Marquis and J.C. Moore, Census Bureau

9022 - "Workers with Disabilities in Large and Small Firms: Profiles from the SIPP," D. Drury, Berkeley Planning Associates

9023 - "Entry into Marriage and the Transition to Adulthood Among Recent Firth Cohorts of Young Adults in the United States and the Federal Republic of Germany," J. Witte, Harvard University

9024 - "The Saving Effect of Tax-Deferred Retirement Accounts: Evidence from the SIPP," S. Venti and D.A. Wise, Dartmouth College and Harvard University

9025 - "Children and Welfare: Patterns of Multiple Program Participations," S.K. Long, The Urban Institute

9026 - "Household and Nonhousehold Living Arrangements in Later Life: A Longitudinal Analysis of A Social Process," J.E. Mutchler and J.A. Burr, University of Buffalo

9027 - "The SIPP Event History Calendar: Aiding Respondents in the Dating of Longitudinal Process," R. Kominski, Census Bureau

9028 - "Estimates of Employer Contributions for Health Insurance by Worker Characteristics," S. Haber, George Washington University

9029 - "Two Notes on Relating the Risk of Disclosure for Microdata and Geographic Area Size," B. Greenberg and L. Voshell, Census Bureau

9030 - "Childcare Effects on Social Security Benefits (91 ARC)," H.M. Iams, Social Security Administration

9031 - "The Effect of the Medicaid Program on Welfare Participation & Labor Supply," R. Moffit and B. Wolfe, Brown University and University of Wisconsin

9032 - "Proxy Reports: Results from a Record Check Study," J.C. Moore, Census Bureau

9033 - "Spells Without Health Insurance: What Affects Spell Durations and Who are the Chronically Uninsured?," T. McBride and K. Swartz, The Urban Institute

9034 - "Spells Without Health Insurance: Distributions of Durations and their Link to Point-in-Time Estimates of the Uninsured," K. Swartz and T. McBride, The Urban Institute

9035 - "Discrete Time Models of Entry into Marriage Based on Retrospective Marital Histories of Young Adults in the U.S. and the Federal Republic of Germany," J. Witte, Harvard University

1989

8901 - "Quality of SIPP Estimates," R. P. Singh, L. Weidman, and G. Shapiro, Census Bureau

8902 - "Two Notes on Sampling Variance Estimates from the 1984 SIPP Public-Use Files," by B. Bye and S. J. Gallicchio, Social Security Administration

8903 - "Longitudinal vs. Retrospective Measures of Work Experience," P. Ryscavage and J. Coder, Census Bureau

8904 - "Analyzing the Characteristics of Blacks: A Comparison of Data from SIPP and CPS," R. Farley and L. J. Neidert, University of Michigan

8905 - "Enhanced Demographic-Economic Data Sets," R. Herriot, C. Bowie, D. Kasprzyk, and S. Haber, Census Bureau

8906 - "Reflections on the Income Estimates from the Initial Panel of The Survey of Income and Program Participation (SIPP)," D. Vaughan, Social Security Administration

8907 - "Measuring Spells of Unemployment and Their Outcomes," P. Ryscavage, Census Bureau

8908 - "Welfare Dependency and Its Causes: Determinants of the Duration of Welfare Spells," P. Ruggles, The Urban Institute

8909 - "Measuring the Duration of Poverty Spells," P. Ruggles, The Urban Institute and R. Williams, Congressional Budget Office

8910 - "Methods of Processing Unit Data Longitudinally on the SIPP," K. Smith, Congressional Budget Office

8911 - "Composite Estimation for SIPP Annual Estimates," R. P. Chakrabarty, Census Bureau

8912 - "Research and Evaluation Conducted on the Survey of Income and Program Participation," R. Petroni, T. Carmody, and V. Huggins, Census Bureau

8913 - "A Poisson Model of Response and Procedural Error Analysis of SIPP Reinterview Data," D. Hill, University of Michigan

8914 - "The Economic Resources of the Edlerly," S. Crystal and D. Shea, Rutgers University

8915 - "Multivariate Analysis by Users of SIPP Micro-Data Files," R. P. Chakrabarty, Census Bureau

8916 - "A Resource-Based Model of Living Arrangements Among the Unmarried Elderly," J. E. Mutchler and J. A. Burr, University of Buffalo

8917 - "Measuring Household Change at The individual Level Using Data From SIPP," A. Speare, Jr. and R. Avery, Brown University

8918 - "The Effect of Child Care Costs on Married Women's Labor Force participation," R. Connelly, Bowdoin College

8919 - "Income and Assets of Social Security Beneficiaries by Type of Benefit," S. Grad, Social Security Administration

8920 - "Development and Evaluation of a Survey-Based Type of Benefit Classification for the Social Security Program," D. Vaughan, Social Security Administration

8921 - "Wave Seam Effects in the SIPP," N. Young, The Urban Institute

8922 - "Components of Longitudinal Household Change for 1984-1985: An Evaluation of National Estimates from the SIPP," by Donald J. Hernandez, Bureau of the Census

8923 - "Database Design for Large-Scale Complex Data," by Martin H. David and Alice Robbin, University of Wisconsin-Madison

8924 - "Measuring the Frequency and Consequences of Job Separations: Data from the Survey of Income and Program Participation," by John M. McNeil and Enrique J. Lamas, Bureau of the Census

8925 - "The Regular Receipt of Child Support: A Multi-step Process," by James L Peterson and Christine Winquist Nord, Child Trends, Inc.

1988

8801 - "The Impact of the Unit of Analysis on Measures of Serial Multiple Program Participation," by P. Doyle and S. E. Long, Mathematica Policy Research, Inc.

8802 - "Short-Term Fluctuations in Income and Their Impacts on the Characteristics of the Low-Income Population: New Data From the Survey of Income and Program Participation," by P. Ruggles, Urban Institute

8803 - "Residential Mobility of One-Person Households," by J. Witte and H. Lahmann, German Institute for Economic Research

8804 - "Year-Apart Estimates of Household Net Worth From the Survey of Income and Program Participation," by John M. McNeil and Enrique J. Lamas, Bureau of the Census

8805 - "Measuring Poverty and Crises: A Comparison of Annual and Subannual Accounting Program Participation," by Martin David and John Fitzgerald, Institute for Research on Poverty

8806 - "Using Administrative Record Data to Evaluate the Quality of Survey Estimates," by Jeffrey C. Moore and Kent H. Marquis, Bureau of the Census

8807 - "The Wealth of the Aged and Nonaged, 1984," by Daniel B. Radner, HHS

8808 - "Examining the Dynamics of Health Insurance Loss: A Tale of Two Cohorts," by Alan C. Monheit and Claudia L Schur, NCHSR

8809 - "The Dynamics of Medicaid Enrollment," by Pam Farley Short, Joel C. Cantor, and Alan C. Monheit, NCHSR

8810 - "The Discouraged Worker Effect: A Reappraisal Using Spell Duration Data," by Alberto Martini, University of Wisconsin-Madison

8811 - "Income as a Proxy for the Economic Status of the Elderly," by Deborah J. Chollet and Robert B. Friedland, Employee Benefit Research Institute

8812 - "The SIPP: Data from the Social Security Administration's 1987 Annual Statistical Supplement"

8813 - "Participation in Industrial Training Programs," by Sheldon Haber, George Washington University

8814 - "A Methodological Study Using Administrative Records: The Special Frames Study of the Income Survey Development Program," by W. J. Logan, Social Security Administration, D. Kasprzyk and R. Cavanaugh, Census Bureau

8815 - "The Effect of Income Taxation on Labor Supply When Deductions are Endogenous," by R. K. Thriest, Johns Hopkins University

8816 - "A Comparison of Gross Change in Labor Force Status From SIPP and CPS," by P. Ryscavage and A. Feldman-Harkins, Census Bureau

8817 - "How are the Elderly Housed?. New Data from the 1984 Survey of Income and Program Participation," by A. Goldstein, Census Bureau

8818 - "Welfare Recipiency as Observed in the SIPP," by J. Coder, Census Bureau and P. Ruggles, The Urban Institute

8819 - "Reservation Wages and Subsequent Acceptance Wages of Unemployed Persons," by P. Ryscavage, Census Bureau

8820 - "Selected References From the Income Survey Development Program (ISDP) and Survey of Income and Program Participation (SIPP)"

8821 - "Training, Wage Growth, Firm Size," by S. Haber, The George Washington University and E. Lamas, Census Bureau

8822 - "Defining and Measuring Nonmetro Poverty: Results From The Survey of Income and Program Participation," by R. Hoppe, USDA-ERS-ARED

8823 - "Nonresponse Adjustment Methods For Demographic Surveys at the U.S. Bureau of the Census," by R. Singh and R. Petroni, Census Bureau

8824 - "Testing Telephone Interviewing in the Survey of Income and Program Participation and Some Early Results," by S. Durant and P. Gbur, Census Bureau

8825 - "Excluding Sample That Misses Some Interviews From SIPP Longitudinal Estimates," by L. Ernst and D. Gillman, Census Bureau

8826 - "The Employment of Mothers and the Prevention of Poverty," by M. Hill, University of Michigan and H. Hartmann, Rutgers University

8827 - "Using Administrative Record Data To Describe SIPP Response Errors," by J. Moore and K. Marquis, Census Bureau

8828 - "A Look at Welfare Dependency Using The 1984 SIPP Panel File," by J. Coder, D. Burkhead, and A. Feldman-Harkins, Census Bureau

8829 - "Census Bureau Microdata: Providing Useful Research Data While Protecting The Anonymity of Respondents," by G. Gates, Census Bureau

8830 - "The Survey of Income and Program Participation: An Overview and Discussion of Research Issues," by D. Kasprzyk, Census Bureau

1987

8701 - "Tracking Persons Over Time," by A. C. Jean and E. K. McArthur, Census Bureau

8702 - "Preliminary Data From the SIPP 1983-84 Longitudinal Research File," by J. F. Coder, D. Burkhead. A. Feldman-Harkins, and J. McNeil, Census Bureau

8703 - "Work Experience Data From SIPP," by P. Ryscavage and A. Feldman-Harkins, Census Bureau

8704 - "The Treatment of Person -Wave Nonresponse in Longitudinal Surveys," by G. Kalton, J. Lepkowski, S. Heeringa, Ting-Kwong Lin, and M. E. Miller, Survey Research Center, University of Michigan

8705 - "SIPP: Filling Data Gaps on the Poverty and Social Welfare Fronts," by P. Ryscavage, Census Bureau

8706 - "Response Errors in Labor Surveys: Comparisons Self and Proxy," by D. Hill University of Michigan

8707 - "Differences Between SIPP and Food and Nutrition Service Program Data on Child Nutrition and WIC Program Participation, by L. Ku and R. Dalrymple, Food and Nutrition Service, U.S. Department of Agriculture

8708 - "Quality Profile for the Survey of Income and Program Participation," by K. King, R. Petroni, and R. Singh, Census Bureau

8709 - "Survey of Income and Program Participation SIPP Sample Loss and the Efforts to Reduce It," by D. Nelson, C. Bowie, and A. Walker, Census Bureau

8710 - "The Impact of Imputation Procedures on Distributional Characteristics of the Low Income Population," by P. Doyle, Mathematica Policy Research, Inc., and R. Dalrymple, Food and Nutrition Service, U. S. Department of Agriculture

8711 - "Job Tenure, Lifetime Work Interruptions and Wage Differentials," by J. McNeil, E. Lamas, Census Bureau, and S. Haber, George Washington University

8712 - "Measuring the Bias in Gross Flows in the Presence of Auto-Correlated Response Errors," by D. Hubble, Census Bureau, and D. Judkins, Westat, Inc.

8713 - "Investigation of Possible Causes of Transition Patterns from SIPP," by L. Weidman, Census Bureau

8714 - "Households and Income Sources: Monthly Averages for 1984," by J. Moorman, Census Bureau

8715 - "Creating SIPP Longitudinal Files Using OSIRIS IV," by M. Servais, University of Michigan

8716 - "Transition In and Out of Poverty: New Data From the Survey of Income and Program Participation," by P. Ruggles, Urban Institute and R. Williams, Congressional Budget Office

8717 - "On their own: The Self-employed and Others in Private Business," by S. Haber, George Washington University, E. Lamas Bureau of the Census, and J. Lichtenstein, U.S. Small Business Administration.

8718 - "Factors Associated With Household Net Worth," by E. Lamas and J. McNeil, Bureau of the Census

8719 - "Exploring Changes in Health Care Coverage Using the SIPP Longitudinal Research File," by D. Burkhead and A. Feldman, Bureau of the Census

8720 - "The Analysis of Geographical Mobility and Life Events with the SIPP," by D. Dahmann and E. McArthur, Bureau of the Census

8721 - "A Review of the Use of Administrative Records in the Survey of Income and Program Participation, by C. Bowie and D. Kasprzyk, Census Bureau

8722 - "Survey of Income and Program Participation Update," by D. Kasprzyk, Bureau of the Census

8723 - "Measuring Poverty with the SIPP and the CPS," by R. Williams, Congressional Budget Office

8724 - "The Statistical Invisible Minority Aged," by C. Taeuber, Bureau of the Census, and E. Attah, Atlanta University

8725 - "An Analysis of the SIPP Asset and Liability Feedback Experiment," by E. Lamas and J. McNeil, Bureau of the Census

1986

8601 - "Some Aspects of SIPP," compiled and edited by R. A. Herriot and D. Kasprzyk, Census Bureau

8602 - "Nonsampling Error Issues in the SIPP," by G. Kalton, University of Michigan, and D. B. McMillen and D. Kasprzyk, Census Bureau

8603 - "An Investigation of Model-Based Imputation Procedures Using Data From the Income Survey Development Program," by V. J. Huggins and L. Weidman, Census Bureau

8604 - "Food Stamp Participation: A Comparison of SIPP With Administrative Records," by S. Carlson and R. Dalrymple, Food and Nutrition Service

8605 - "SIPP Longitudinal Household Estimation for the Proposed Longitudinal Definition," by L. R. Ernst, Census Bureau

8606 - "A Comparison of Seven Imputation Procedures for the 1979 Panel of the Income Survey Development Program," by V. J. Huggins, Census Bureau

8607 - "An Investigation of the Imputation of Monthly Earnings for the Survey of Income and Program Participation Using Regression Models," by V. J. Huggins and L. Weidman, Census Bureau

8608 - "Evaluation of Training Materials and Methods for the Survey of Income and Program Participation," by M. Holt, Survey Research Consultant

8609 - "Patterns of Household Composition and Family Status change," by C. F. Citro, ASA/Census Research Fellow, and H. W. Watts, Department of Economics, Columbia University

8610 - "Composite Estimation for SIPP: A Preliminary Report," by R. P. Chakrabarty, Census Bureau

8611 - "Longitudinal Household Concepts in SIPP: Preliminary Results," by C. F. Citro, ASA/Census Research Fellow, D. J. Hernandez, and R. A. Herriot, Census Bureau

8612 - "Following Children in the Survey of Income and Program Participation," by E. K. McArthur, K. S. Short, and S. Bianchi, Census Bureau

8613 - "SIPP Labor Transitions: Problems and Promises," by P. Ryscavage and K. S. Short, Census Bureau

8614 - "Augmenting Data Reported in the Survey of Income and Program Participation With Administrative Record Data - A Brief Discussion," by D.K. Sater, Census Bureau

1985

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____ 8603	____ 8610
____ 8604	____ 8611
____ 8605	____ 8612
____ 8606	____ 8613
____ 8607	____ 8614

1987

____ 8701	____ 8707	____ 8715	____ 8722
____ 8702	____ 8709	____ 8716	____ 8723
____ 8703	____ 8710	____ 8717	____ 8724
____ 8704	____ 8711	____ 8718	____ 8725
____ 8705	____ 8712	____ 8719	
____ 8706	____ 8713	____ 8720	
____ 8707	____ 8714	____ 8721	

1988

____ 8801	____ 8808	____ 8815	____ 8822	____ 8829
____ 8802	____ 8809	____ 8816	____ 8823	____ 8830
____ 8803	____ 8810	____ 8817	____ 8824	
____ 8804	____ 8811	____ 8818	____ 8825	
____ 8805	____ 8812	____ 8819	____ 8826	
____ 8806	____ 8813	____ 8820	____ 8827	
____ 8807	____ 8814	____ 8821	____ 8828	

1989

____ 8901	____ 8908	____ 8915	____ 8922
____ 8902	____ 8909	____ 8916	____ 8923
____ 8903	____ 8910	____ 8917	____ 8924
____ 8904	____ 8911	____ 8918	____ 8925
____ 8905	____ 8912	____ 8919	
____ 8906	____ 8913	____ 8920	
____ 8907	____ 8914	____ 8921	

1990

____ 9001	____ 9008	____ 9015	____ 9022	____ 9029
____ 9002	____ 9009	____ 9016	____ 9023	____ 9030
____ 9003	____ 9010	____ 9017	____ 9024	____ 9031
____ 9004	____ 9011	____ 9018	____ 9025	____ 9032
____ 9005	____ 9012	____ 9019	____ 9026	____ 9033
____ 9006	____ 9013	____ 9020	____ 9027	____ 9034
____ 9007	____ 9014	____ 9021	____ 9028	____ 9035

APPENDIX D

Machine-Readable Data Dictionary Layout

Data dictionary lines are 46 characters. The character on the first position determines the type of lines. Each variable may have the following lines:

1. COMMENTS (" * ") lines
2. DATA DICTIONARY (" D ") ; line and DATA DESCRIPTION
3. UNIVERSE (" U ") lines
4. VALUE DESCRIPTION lines
5. One blank line at the end

FORMAT

"*" LINE   COMMENTS

a.   " * " in the first position indicates that this is a comment line. This line can appear any place in the dictionary. It will be used for short comments or to nullify any value codes.

b.   " ** " in the first two positions is also comments but it has additional meaning. It indicates this is a block of comments which will be applied to several variables. The first line of this block will ave the COMMENT NO. so that subsequent variable can refer back to this comment block.

"D" LINE   DATA DICTIONARY

This line contains the following information:

ID	"D"	COL	1- 1
NAME	Variable name	COL	3-10
SIZE	Size of data field	COL	14-15
BEGIN	Begin position of data field	COL	19-22
TYPE	Character variable indicator "CHAR"		
	or blanks if numeric variable	COL	26-29
DEC	Implied decimal places	COL	33-34
IND	TABLE variable indicator "TABLE" with "(aa)" for		
	its dimension; otherwise blanks	COL	38-46

Text describing the variable will follow this "D" line. Use COL 6-46 and repeat as many lines as necessary.

"U" LINE   UNIVERSE DEFINITION

This line contains the universe definition. Use COL 3-46 and repeat as many lines as necessary.

ID	" U "	COL	1- 1
DESCRIPTION	Universe description	COL	3-46

(For continuation use COL 3-46 and repeat as many lines as necessary.)

"V" LINE   VALUE DEFINITION

ID	" V "	COL	1- 1
VALUE	Value code-right justified	COL	3-12
	" "	COL	14
DESCRIPTION	Value description	COL	15-46

(Repeat COL 14-46 format for continued value description.)

APPENDIX E

User Notes

This section is reserved for any information relevant to the SIPP 1991 Panel, Wave 4 Topical Module Microdata File that indicates specific problems with the data, or that becomes available after the file is released. Any such information should be filed behind this page.

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