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SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP) 1993 PANEL WAVE 7 TOPICAL MICRODATA FILES

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ABSTRACT

Survey of Income and Program Participation (SIPP) 1993 Panel, Wave 7 Topical Module Microdata File [machine-readable data file] / conducted by the U.S. Bureau of the Census. -Washington: The Bureau [producer and distributor], 1998.

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 work schedule, child care, child support agreements, child support, support for nonhousehold members, functional limitations and disability, utilization of health care, functional limitations and disability - children, health status and utilization of health care services, utilization of health care services - children.

The sample consists of 4 rotation groups, each interviewed in a different month from February 1995 to May 1995. 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 9 interviews or "waves." This file contains the results of the **seventh** 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 three 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: 50,662 logical records; 1,108 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) 1993 Panel, Wave 7 Topical Module Microdata File Technical Documentation. The documentation includes this abstract, the data dictionary, an index to the data dictionary, relevant code lists, questionnaire facsimiles, and general information on SIPP.

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 from Customer Services Center, Marketing Services Office, Bureau of the Census, Washington, DC 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 1991 Panels, 1992 Waves 1-10, 1993 Waves 1-9, and 1996 Panel Wave 1 are available from Customer Services Center, Marketing Services Office, Bureau of the Census, Washington, D.C. 20233. An order form is on the following page for your convenience. Files may also be downloaded on SURVEYS-ON-CALL.

File Availability:

Files are available on computer tape at 6250 bpi, ASCII or EBCDIC, and standard ANSI labeling on CD-R (compact disc-readable). The file also may be made available on IBM 3480 compatible tape cartridge. A machine-readable data dictionary is provided at the end of each file. This dictionary may be purchased separately. Pricing information is available from Customer Services (301) 457-4100. Some files (1990 - 1993) may be downloaded in ASCII from the Data Extraction System (DES) SURVEY-ON-CALL at <http://www.census.gov/DES/www/welcome.html> Files (1996 forward) may be downloaded from the Federal Electronic Research and Review Extraction Tool (FERRET) at <http://www.ferret.bls.census.gov/cgi-bin/ferret> When ordering, please use the [order form](#) on the following page.

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All tape files are on 6250 bpi reels, have standard ANSI labeling, and are blocked at 32K bytes. Also, they are available on IBM model 3480-compatible tape cartridges. Please specify your choice of:

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(Signature)

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.

Sample Unit ID (scrambled)	Race
Household Address ID	Sex
Item36B	MS(5)
Entry Address ID	PNSP(5)
Person Number	PNPT(5)
PP-Intvw	Higrade
Finalwgt(5)	Grd-Cmpl
RRP(5)	Ethnicity
Age(5)	

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 reciprocity 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, through 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 owned 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 of "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.

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Imputation of 'TM8056, TM8058, TM8060, TM8062, TM8064, TM8066'	IMP56-66	839
Imputation of 'TM8067'	IMP8067	840
Imputation of 'TM8068'	IMP8068	841
Imputation of 'TM8072'	IMP8072	842
Imputation of 'TM8074'	IMP8074	843
Imputation of 'TM8076'	IMP8076	844
Imputation of 'TM8078'	IMP8078	845
Imputation of 'TM8080, TM8082, TM8084, TM8086, TM8088, TM8090'	IMP80-90	846
Imputation of 'TM8091'	IMP8091	847
Imputation of 'TM8092'	IMP8092	848
Imputation of 'TM8096'	IMP8096	849
Imputation of 'TM8098'	IMP8098	850
Imputation of 'TM8100'	IMP8100	851
Imputation of 'TM8102'	IMP8102	852
Imputation of 'TM8104, TM8106, TM8108, TM8110, TM8112, TM8114'	IMP04-14	853
Imputation of 'TM8116'	IMP8116	854
Imputation of 'TM8118'	IMP8118	855
Imputation of 'TM8120'	IMP8120	856
Imputation of 'TM8122'	IMP8122	857
Imputation of 'TM8126'	IMP8126	858
Imputation of 'TM8128'	IMP8128	859
Imputation of 'TM8132'	IMP8132	860
Imputation of 'TM8200'	IMP8200	1036
Imputation of 'TM8202'	IMP8202	1037

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<u>Description</u>	<u>Variable</u>	<u>Position</u>
Imputation of 'TM8204'	IMP8204	1038
Imputation of 'TM8206'	IMP8206	1039
Imputation of 'TM8209'	IMP8209	1040
Imputation of 'TM8210'	IMP8210	1041
Imputation of 'TM8212'	IMP8212	1042
Imputation of 'TM8214'	IMP8214	1043
Imputation of 'TM8216'	IMP8216	1044
Imputation of 'TM8218'	IMP8218	1045
Imputation of 'TM8220'	IMP8220	1046
Imputation of 'TM8222'	IMP8222	1047
Imputation of 'TM8232'	IMP8232	1048
Imputation of 'TM8233'	IMP8233	1049
Imputation of 'TM8234'	IMP8234	1050
Imputation of 'TM8236'	IMP8236	1051
Imputation of 'TM8238'	IMP8238	1052
Imputation of 'TM8240'	IMP8240	1053
Imputation of 'TM8242'	IMP8242	1054
Imputation of 'TM8244'	IMP8244	1055
Imputation of 'TM8246'	IMP8246	1056
Imputation of 'TM8260'	IMP8260	1057
Imputation of 'TM8262'	IMP8262	1058
Imputation of 'TM8264'	IMP8264	1059
Imputation of 'TM8268, TM8270, TM8272, TM8274, TM8276, TM8278, TM8280'	IMP68-80	1060
Imputation of 'TM8284'	IMP8284	1061
Imputation of 'TM8286'	IMP8286	1062
Imputation of 'TM8288'	IMP8288	1063
Imputation of 'TM8292, TM8294, TM8296, TM8298, TM8300, TM8302, TM8304'	IMP92-04	1064
Imputation of 'TM8308'	IMP8308	1065
Imputation of 'TM8309'	IMP8309	1066
Imputation of 'TM8312'	IMP8312	1067
Imputation of 'TM8316'	IMP8316	1068
Imputation of 'TM8318'	IMP8318	1069
Imputation of 'TM8538'	IMP8538	550
Imputation of 'TM8539'	IMP8539	551
Imputation of 'TM8540 through TM8542'	IMP40-42	600
Imputation of 'TM8540'	IMP8540	552
Imputation of 'TM8542'	IMP8542	553
Imputation of 'TM8564'	IMP8564	554
Imputation of 'TM8566'	IMP8566	555
Imputation of 'TM8568'	IMP8568	556
Imputation of 'TM8569'	IMP8569	557
Imputation of 'TM8570'	IMP8570	558
Imputation of 'TM8571'	IMP8571	559
Imputation of 'TM8572'	IMP8572	560
Imputation of 'TM8574'	IMP8574	561
Imputation of 'TM8580'	IMP8580	562
Imputation of 'TM8582'	IMP8582	563
Imputation of 'TM8584'	IMP8584	564
Imputation of 'TM8586'	IMP8586	565
Imputation of 'TM8587'	IMP8587	566
Imputation of 'TM8589'	IMP8589	567

<u>Description</u>	<u>Variable</u>	<u>Position</u>
Imputation of 'TM8596'	IMP8596	568
Imputation of 'TM8598'	IMP8598	569
Imputation of 'TM8610'	IMP8610	570
Imputation of 'TM8612'	IMP8612	601
Imputation of 'TM8624'	IMP8624	571
Imputation of 'TM8630'	IMP8630	572
Imputation of 'TM8638'	IMP8638	573
Imputation of 'TM8640'	IMP8640	574
Imputation of 'TM8644'	IMP8644	602
Imputation of 'TM8650'	IMP8650	575
Imputation of 'TM8651'	IMP8651	576
Imputation of 'TM8652'	IMP8652	577
Imputation of 'TM8654'	IMP8654	603
Imputation of 'TM8656'	IMP8656	578
Imputation of 'TM8657'	IMP8657	579
Imputation of 'TM8658'	IMP8658	604
Imputation of 'TM8660'	IMP8660	580
Imputation of 'TM8666'	IMP8666	581
Imputation of 'TM8714'	IMP8714	582
Imputation of 'TM8716'	IMP8716	583
Imputation of 'TM8730'	IMP8730	584
Imputation of 'TM8732'	IMP8732	585
Imputation of 'TM8734'	IMP8734	586
Imputation of 'TM8754'	IMP8754	587
Imputation of 'TM8756'	IMP8756	588
Imputation of 'TM8758'	IMP8758	589
Imputation of 'TM8760'	IMP8760	590
Imputation of 'TM8761'	IMP8761	591
Imputation of 'TM8762'	IMP8762	592
Imputation of 'TM8763'	IMP8763	605
Imputation of 'TM8764'	IMP8764	606
Imputation of 'TM8765'	IMP8765	607
Imputation of 'TM8770 through TM8778'	IMP70-78	593
Imputation of 'TM8788'	IMP8788	594
Imputation of 'TM8790'	IMP8790	595
Imputation of 'TM8792'	IMP8792	596
Imputation of 'TM8794'	IMP8794	597
Imputation of 'TM8796'	IMP8796	598
Imputation of 'TM8798'	IMP8798	599
Index From Core, Person	PINX	18
Insurance Coverage Type - Term or Whole Life	TM8312	1026
Insurance Coverage, Life	TM8308	1015
Insurance Coverage, Life - Current Face Value of All	TM8309	1017
Insurance Policies Thru Employer, Life	TM8316	1029
Insurance Policies, Face Value Thru Employer	TM8318	1030
Interest earning, assets in banking institutions	HH-INTBK	430
Interest earning, assets in other institutions	HH-INTOT	439
Interview Status Code	ITEM36B	22
Interview Status, Monthly Person's	PP-MIS1	25
Interview Status, Monthly Person's	PP-MIS2	26
Interview Status, Monthly Person's	PP-MIS3	27

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<u>Description</u>	<u>Variable</u>	<u>Position</u>
Interview Status, Monthly Person's	PP-MIS4	28
Interview Status, Monthly Person's	PP-MIS5	29
Interview Status, Person's	INTVW	24
IRA Account in Own Name	TM8260	979
IRA and KEOGH accounts	HH-IRA	477
IRA, Market Value of	TM8264	983
IRA, Number of Years Contributed to	TM8262	981
Is "Worked" marked on the ISS, Check Item T3	TM8314	1028
Item 18A, What is Marked - Check Item 18A	TM8413	1089
Keogh Account in Own Name	TM8284	997
Keogh Account, Market Value of	TM8288	1001
Keogh Account, Years Contributed to	TM8286	999
Marital Status	MS	53
Medical Expenses Paid - Dentist Bills	TM8402	1075
Medical Expenses Paid - Doctor Bills	TM8400	1073
Medical Expenses Paid - Hospital Bills	TM8404	1077
Medical Expenses Paid - Prescription Medicine	TM8406	1079
Medical Expenses, Total Paid Not To Be Reimbursed	TM8410	1082
Mobile Home (and Site), Sale Amount	TM8630	189
Mobile Home - Check Item T10	TM8528	70
Money Market Funds (Own IRA)	TM8270	990
Money Market Funds (Own Keogh)	TM8294	1008
Mortgage Debt, Principal Amount Owed (First Mortgage)	TM8564	91
Mortgage Debt, Principal Amount Owed (Second Mortgage)	TM8566	126
Mortgage Obtained, Amount (First Mortgage)	TM8572	106
Mortgage Obtained, Amount (Second Mortgage)	TM8574	141
Mortgage Obtained, Month (First Mortgage)	TM8569	104
Mortgage Obtained, Month (Second Mortgage)	TM8571	139
Mortgage Obtained, Year (First Mortgage)	TM8568	100
Mortgage Obtained, Year (Second Mortgage)	TM8570	135
Mortgage or Other Debt on This Home	TM8540	87
Mortgage, Current Annual Interest Rate (First Mortgage)	TM8580	117
Mortgage, Current Annual Interest Rate (Second Mortgage)	TM8582	152
Mortgage, Deed Of Trust, or Other Debt on Property	TM8072	719
Mortgage, Deed...Other Debt on Prop. (Owned With Others)	TM8118	780
Mortgage, Deed...Other Debt On Property (in Own Name)	TM8096	750
Mortgage, FHA or VA (First Mortgage)	TM8587	123
Mortgage, FHA or VA (Second Mortgage)	TM8589	158
Mortgage, Other Debt - Site Only, or also Mobile Home	TM8612	182
Mortgage, Other Debt on Mobile Home or Site	TM8610	180
Mortgage, Principal Amount Owed	TM8624	183
Mortgage, Total Debt Owed on Home	HH-MORTG	391
Mortgage, Total Principal Owed on Remaining	TM8596	161
Mortgage, Total Years (First Mortgage)	TM8576	115
Mortgage, Total Years (Second Mortgage)	TM8578	150
Mortgage, Variable Rate Interest (First Mortgage)	TM8584	121
Mortgage, Variable Rate Interest (Second Mortgage)	TM8586	156
Mortgages or Other Debts on This Home, Total Number of	TM8542	89
Motor Vehicle One Owner, First Person Number of	TM8718	268
Motor Vehicle One Owner, Second Person Number of	TM8724	271
Motor Vehicle One, Amount Currently Owed	TM8760	280

<u>Description</u>	<u>Variable</u>	<u>Position</u>
Motor Vehicle One, Existence of Another - Check Item T18	TM8766	287
Motor Vehicle One, Existence of Debt	TM8754	278
Motor Vehicle One, Primary Use	TM8763	286
Motor Vehicle One, Year	TM8730	274
Motor Vehicle Owned, First - No Debt	TM8792	344
Motor Vehicle Owned, Second - No Debt	TM8794	365
Motor Vehicle Three Owner, First Person Number of	TM8722	308
Motor Vehicle Three Owner, Second Person Number of	TM8728	311
Motor Vehicle Three, Amount Currently Owed	TM8762	320
Motor Vehicle Three, Existence of Debt	TM8758	318
Motor Vehicle Three, Primary Use	TM8765	326
Motor Vehicle Three, Year	TM8734	314
Motor Vehicle Two Owner, First Person Number of	TM8720	288
Motor Vehicle Two Owner, Second Person Number of	TM8726	291
Motor Vehicle Two, Amount Currently Owed	TM8761	300
Motor Vehicle Two, Existence of Another - Check Item T18	TM8768	307
Motor Vehicle Two, Existence of Debt	TM8756	298
Motor Vehicle Two, Primary Use	TM8764	306
Motor Vehicle Two, Year	TM8732	294
Motor Vehicle, Amount Owed on First	TM8796	346
Motor Vehicle, Amount Owed on Second	TM8798	367
Motor Vehicle, No Other Vehicle Owned	TM8778	331
Motor Vehicle, Ownership of	TM8714	265
Motor Vehicle, Ownership of Other	TM8776	330
Motor Vehicles, Existence of Other - Check Item T19	TM8800	352
Motor Vehicles, Number of	TM8716	266
Motorcycle, Ownership of	TM8770	327
Municipal or Corporate Bonds (Own IRA)	TM8274	992
Municipal or Corporate Bonds (Own Keogh)	TM8298	1010
Other Assets (Own IRA)	TM8280	995
Other Assets (Own Keogh)	TM8304	1013
Owe Money (Joint) for Any Other Debt	TM8220	936
Owe Money (Joint) for Bank or Credit Union Loans	TM8216	928
Owe Money (Joint) for Store Bills or Credit Card Bills	TM8212	920
Owe Money, (Loan Thru Bank or Credit Union) Own Name	TM8240	962
Owe Money, (Store Bills or Credit Cards) Own Name	TM8236	954
Owed, Amount (Sale of Business From Anyone Outside HH)	TM8202	895
Owed, Money (Sale of Business From Anyone Outside HH)	TM8200	893
Own Real Estate, Other	TM8660	248
Own What Percent of Business (ID-1)	TM8004	611
Own What Percent of Business (ID-2)	TM8020	635
Owner of Property, Person Number (First)	TM8662	250
Owner of Property, Person Number (Second)	TM8664	253
Person Number of Household Owner Number 1	TM8532	72
Person Number of Household Owner Number 2	TM8534	75
Person Number of Household Owner Number 3	TM8536	78
Person Number Of Parent	PNPT	57
Person Number Of Spouse	PNSP	54
Person Number, Edited	PNUM	32
Person Number, Other Owner of First Other Motor Vehicle	TM8784	335
Person Number, Other Owner of Second Other Motor Vehicle	TM8786	356

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<u>Description</u>	<u>Variable</u>	<u>Position</u>
Person Number, Owner of First Other Motor Vehicle	TM8780	332
Person Number, Owner of Second Other Motor Vehicle	TM8782	353
Persons in Household, Number of	TM8654	239
Price, Selling of First Other Vehicle	TM8788	338
Price, Selling of Second Other Vehicle	TM8790	359
Principal Owed On Property	TM8074	721
Principal Owed On Property (in Own Name)	TM8098	752
Principal Owed on Property (Owned With Others)	TM8120	782
Principal, Amount Owed ... and Spouse on Mortgage	TM8126	800
Principal, Amount Owed ... on Mortgage	TM8128	809
Properties Attached to Residence	TM8067	709
Properties Attached to Residence	TM8091	740
Properties in Own Name, Number of	TM8078	732
Properties Owned Jointly With Others, Number of	TM8102	763
Properties Owned Jointly With Spouse, Number of	TM8054	701
Property, Commercial	TM8062	706
Property, Commercial (in Own Name)	TM8086	737
Property, Commercial (Owned With Others)	TM8110	768
Property, Current Value of	TM8598	170
Property, Equipment	TM8064	707
Property, Equipment (in Own Name)	TM8088	738
Property, Equipment (Owned With Others)	TM8112	769
Property, Farm	TM8060	705
Property, Farm (in Own Name)	TM8084	736
Property, Farm (Owned With Others)	TM8108	767
Property, Other	TM8066	708
Property, Other (in Own Name)	TM8090	739
Property, Other (Owned With Others)	TM8114	770
Property, Other Residential	TM8058	704
Property, Other Residential (in Own Name)	TM8082	735
Property, Other Residential (Owned With Others)	TM8106	766
Property, Rental in Own Name	TM8076	730
Property, Rental Own Jointly With Spouse	TM8052	699
Property, Total Market Value	TM8068	710
Property, Total Market Value (in Own Name)	TM8092	741
Property, Total Market Value (Owned With Others)	TM8116	771
Public or Subsidized Residence - Check Item T17	TM8658	247
Race - Edited And Imputed	RACE	52
Recreational Vehicle, Ownership of	TM8774	329
Reference Person's Questionnaire	TM8526	69
Relationship To Reference Person, Edited	RRP	47
Rent/Mortgage Payment Amount	TM8638	195
Rent/Mortgage, Utilities Amount Paid by Person Number 1	TM8650	221
Rent/Mortgage, Utilities Amount Paid by Person Number 2	TM8651	227
Rent/Mortgage, Utilities Amount Paid by Person Number 3	TM8652	233
Rent/Mortgage, Utilities Paid by More than One Person	TM8644	208
Rent/Mortgage, Utilities Paid by Person Number	TM8646	209
Rent/Mortgage, Utilities Paid by Person Number 1	TM8647	212
Rent/Mortgage, Utilities Paid by Person Number 2	TM8648	215
Rent/Mortgage, Utilities Paid by Person Number 3	TM8649	218
Rental Property Owned Jointly With Other Than Spouse	TM8100	761

<u>Description</u>	<u>Variable</u>	<u>Position</u>
Rotation Group	ROTATION	15
Savings Bonds, Face Value of	TM8206	905
Savings Bonds, Ownership of	TM8204	904
SC4314 from the core file	TM4314	861
SC4322 from the core file	TM4322	869
SC4414 from the core file	TM4414	877
SC4422 from the core file	TM4422	885
Self-Employed (ID-1)	TM8000	609
Self-Employed (ID-2)	TM8016	633
Sequence Number Of Sample Unit	SUSEQNUM	1
Sex - Edited And Imputed	SEX	51
State Code, FIPS	STATE	16
Stocks in Own Name, Market Value of	TM8044	683
Stocks or Mutual Fund Shares (Own IRA)	TM8278	994
Stocks or Mutual Fund Shares (Own Keogh)	TM8302	1012
Stocks or Mutual Fund Shares, Other	TM8042	682
Stocks, Value of Market	TM8034	666
Tenure - Check Item T11	TM8530	71
Tenure of Mobile Home - Check Item T14	TM8608	179
U.S. Government Securities (Own IRA)	TM8272	991
U.S. Government Securities (Own Keogh)	TM8296	1009
U.S. Savings Bonds (Own IRA)	TM8276	993
U.S. Savings Bonds (Own Keogh)	TM8300	1011
Utilities Payment Amount, Total	TM8640	201
Vacation Home	TM8056	703
Vacation Home (in Own Name)	TM8080	734
Vacation Home (Owned With Others)	TM8104	765
Value of Business Before Debts (ID-1), Total	TM8008	615
Value of Business Before Debts (ID-2), Total	TM8024	639
Wave number for panel	WAVE	65
Wealth, Total Household	HH-TWLTH	483
Weight, Second Stage Factor	FINALWGT	35
Worked Marked on ISS - Check Item T7	TM8422	1093
Worth, Total Net	HH-TNW	520

**ALPHABETICAL VARIABLE LISTING TO
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<u>Variable</u>	<u>Description</u>	<u>Position</u>
ADDID	Address Identification	20
AGE	Age As Of Last Birthday - Edited And Imputed	48
ATSUM01	Household assets summary	530
ATSUM02	Household assets summary	531
ATSUM03	Household assets summary	532
ATSUM04	Household assets summary	533
ATSUM05	Household assets summary	534
ATSUM06	Household assets summary	535
ATSUM07	Household assets summary	536
ATSUM08	Household assets summary	537
ATSUM09	Household assets summary	538
ATSUM10	Household assets summary	539
ATSUM11	Household assets summary	540
ATSUM12	Household assets summary	541
ATSUM13	Household assets summary	542
ATSUM14	Household assets summary	543
ATSUM15	Household assets summary	544
ATSUM16	Household assets summary	545
ATSUM17	Household assets summary	546
ATSUM18	Household assets summary	547
ATSUM19	Household assets summary	548
ATSUM20	Household assets summary	549
ENTRY	Address Identification - Edited Entry	30
ETHNICTY	Ethnic Origin	63
FINALWGT	Weight, Second Stage Factor	35
GRD-CMPL	Grade Attended Was Completed, Highest	62
HH-BEQ	Equity, Business	420
HH-DEBT	Debt, Total	511
HH-INTBK	Interest earning, assets in banking institutions	430
HH-INTOT	Interest earning, assets in other institutions	439
HH-IRA	IRA and KEOGH accounts	477
HH-MORTG	Mortgage, Total Debt Owed on Home	391
HH-ORE	Equity, Other Real Estate (other than own home)	458
HH-OTAST	Assets, Other	468
HH-SCDBT	Debt, Secured	493
HH-STK	Equity in stocks and mutual fund shares	448
HH-THEQ	Equity, Home	400
HH-TNW	Worth, Total Net	520
HH-TWLTH	Wealth, Total Household	483
HH-USDBT	Debt, Unsecured	502
HH-VEHCL	Equity in Vehicles, Net	410
HIGRADE	Grade Or Year Of School Attended, Highest	60
ID	Identifier, Sample Unit	6
IMP04-14	Imputation of 'TM8104, TM8106, TM8108, TM8110, TM8112, TM8114'	853
IMP40-42	Imputation of 'TM8540 through TM8542'	600
IMP56-66	Imputation of 'TM8056, TM8058, TM8060, TM8062, TM8064, TM8066'	839
IMP68-80	Imputation of 'TM8268, TM8270, TM8272, TM8274, TM8276, TM8278, TM8280'	1060
IMP70-78	Imputation of 'TM8770 through TM8778'	593

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<u>Variable</u>	<u>Description</u>	<u>Position</u>
IMP80-90	Imputation of 'TM8080, TM8082, TM8084, TM8086, TM8088, TM8090'	846
IMP8000	Imputation of 'TM8000'	657
IMP8004	Imputation of 'TM8004'	658
IMP8008	Imputation of 'TM8008'	659
IMP8012	Imputation of 'TM8012'	660
IMP8016	Imputation of 'TM8016'	661
IMP8020	Imputation of 'TM8020'	662
IMP8024	Imputation of 'TM8024'	663
IMP8028	Imputation of 'TM8028'	664
IMP8034	Imputation of 'TM8034'	828
IMP8036	Imputation of 'TM8036'	829
IMP8038	Imputation of 'TM8038'	830
IMP8040	Imputation of 'TM8040'	831
IMP8042	Imputation of 'TM8042'	832
IMP8044	Imputation of 'TM8044'	833
IMP8046	Imputation of 'TM8046'	834
IMP8048	Imputation of 'TM8048'	835
IMP8050	Imputation of 'TM8050'	836
IMP8052	Imputation of 'TM8052'	837
IMP8054	Imputation of 'TM8054'	838
IMP8067	Imputation of 'TM8067'	840
IMP8068	Imputation of 'TM8068'	841
IMP8072	Imputation of 'TM8072'	842
IMP8074	Imputation of 'TM8074'	843
IMP8076	Imputation of 'TM8076'	844
IMP8078	Imputation of 'TM8078'	845
IMP8091	Imputation of 'TM8091'	847
IMP8092	Imputation of 'TM8092'	848
IMP8096	Imputation of 'TM8096'	849
IMP8098	Imputation of 'TM8098'	850
IMP8100	Imputation of 'TM8100'	851
IMP8102	Imputation of 'TM8102'	852
IMP8116	Imputation of 'TM8116'	854
IMP8118	Imputation of 'TM8118'	855
IMP8120	Imputation of 'TM8120'	856
IMP8122	Imputation of 'TM8122'	857
IMP8126	Imputation of 'TM8126'	858
IMP8128	Imputation of 'TM8128'	859
IMP8132	Imputation of 'TM8132'	860
IMP8200	Imputation of 'TM8200'	1036
IMP8202	Imputation of 'TM8202'	1037
IMP8204	Imputation of 'TM8204'	1038
IMP8206	Imputation of 'TM8206'	1039
IMP8209	Imputation of 'TM8209'	1040
IMP8210	Imputation of 'TM8210'	1041
IMP8212	Imputation of 'TM8212'	1042
IMP8214	Imputation of 'TM8214'	1043
IMP8216	Imputation of 'TM8216'	1044
IMP8218	Imputation of 'TM8218'	1045
IMP8220	Imputation of 'TM8220'	1046
IMP8222	Imputation of 'TM8222'	1047

VARIABLE LISTING

<u>Variable</u>	<u>Description</u>	<u>Position</u>
IMP8232	Imputation of 'TM8232'	1048
IMP8233	Imputation of 'TM8233'	1049
IMP8234	Imputation of 'TM8234'	1050
IMP8236	Imputation of 'TM8236'	1051
IMP8238	Imputation of 'TM8238'	1052
IMP8240	Imputation of 'TM8240'	1053
IMP8242	Imputation of 'TM8242'	1054
IMP8244	Imputation of 'TM8244'	1055
IMP8246	Imputation of 'TM8246'	1056
IMP8260	Imputation of 'TM8260'	1057
IMP8262	Imputation of 'TM8262'	1058
IMP8264	Imputation of 'TM8264'	1059
IMP8284	Imputation of 'TM8284'	1061
IMP8286	Imputation of 'TM8286'	1062
IMP8288	Imputation of 'TM8288'	1063
IMP8308	Imputation of 'TM8308'	1065
IMP8309	Imputation of 'TM8309'	1066
IMP8312	Imputation of 'TM8312'	1067
IMP8316	Imputation of 'TM8316'	1068
IMP8318	Imputation of 'TM8318'	1069
IMP8400	Imputation flag for 'TM8400'	1098
IMP8402	Imputation flag for 'TM8402'	1099
IMP8404	Imputation flag for 'TM8404'	1100
IMP8406	Imputation flag for 'TM8406'	1101
IMP8410	Imputation flag for 'TM8410'	1102
IMP8418	Imputation flag for 'TM8418'	1103
IMP8420	Imputation flag for 'TM8420'	1104
IMP8424	Imputation flag for 'TM8424'	1105
IMP8426	Imputation flag for 'TM8426'	1106
IMP8428	Imputation flag for 'TM8428'	1107
IMP8538	Imputation of 'TM8538'	550
IMP8539	Imputation of 'TM8539'	551
IMP8540	Imputation of 'TM8540'	552
IMP8542	Imputation of 'TM8542'	553
IMP8564	Imputation of 'TM8564'	554
IMP8566	Imputation of 'TM8566'	555
IMP8568	Imputation of 'TM8568'	556
IMP8569	Imputation of 'TM8569'	557
IMP8570	Imputation of 'TM8570'	558
IMP8571	Imputation of 'TM8571'	559
IMP8572	Imputation of 'TM8572'	560
IMP8574	Imputation of 'TM8574'	561
IMP8580	Imputation of 'TM8580'	562
IMP8582	Imputation of 'TM8582'	563
IMP8584	Imputation of 'TM8584'	564
IMP8586	Imputation of 'TM8586'	565
IMP8587	Imputation of 'TM8587'	566
IMP8589	Imputation of 'TM8589'	567
IMP8596	Imputation of 'TM8596'	568
IMP8598	Imputation of 'TM8598'	569
IMP8610	Imputation of 'TM8610'	570

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<u>Variable</u>	<u>Description</u>	<u>Position</u>
IMP8612	Imputation of 'TM8612'	601
IMP8624	Imputation of 'TM8624'	571
IMP8630	Imputation of 'TM8630'	572
IMP8638	Imputation of 'TM8638'	573
IMP8640	Imputation of 'TM8640'	574
IMP8644	Imputation of 'TM8644'	602
IMP8650	Imputation of 'TM8650'	575
IMP8651	Imputation of 'TM8651'	576
IMP8652	Imputation of 'TM8652'	577
IMP8654	Imputation of 'TM8654'	603
IMP8656	Imputation of 'TM8656'	578
IMP8657	Imputation of 'TM8657'	579
IMP8658	Imputation of 'TM8658'	604
IMP8660	Imputation of 'TM8660'	580
IMP8666	Imputation of 'TM8666'	581
IMP8714	Imputation of 'TM8714'	582
IMP8716	Imputation of 'TM8716'	583
IMP8730	Imputation of 'TM8730'	584
IMP8732	Imputation of 'TM8732'	585
IMP8734	Imputation of 'TM8734'	586
IMP8754	Imputation of 'TM8754'	587
IMP8756	Imputation of 'TM8756'	588
IMP8758	Imputation of 'TM8758'	589
IMP8760	Imputation of 'TM8760'	590
IMP8761	Imputation of 'TM8761'	591
IMP8762	Imputation of 'TM8762'	592
IMP8763	Imputation of 'TM8763'	605
IMP8764	Imputation of 'TM8764'	606
IMP8765	Imputation of 'TM8765'	607
IMP8788	Imputation of 'TM8788'	594
IMP8790	Imputation of 'TM8790'	595
IMP8792	Imputation of 'TM8792'	596
IMP8794	Imputation of 'TM8794'	597
IMP8796	Imputation of 'TM8796'	598
IMP8798	Imputation of 'TM8798'	599
IMP92-04	Imputation of 'TM8292, TM8294, TM8296, TM8298, TM8300, TM8302, TM8304'	1064
INTVW	Interview Status, Person's	24
ITEM36B	Interview Status Code	22
MS	Marital Status	53
PINX	Index From Core, Person	18
PNPT	Person Number Of Parent	57
PNSP	Person Number Of Spouse	54
PNUM	Person Number, Edited	32
PP-MIS1	Interview Status, Monthly Person's	25
PP-MIS2	Interview Status, Monthly Person's	26
PP-MIS3	Interview Status, Monthly Person's	27
PP-MIS4	Interview Status, Monthly Person's	28
PP-MIS5	Interview Status, Monthly Person's	29
RACE	Race - Edited And Imputed	52
ROTATION	Rotation Group	15
RRP	Relationship To Reference Person, Edited	47

VARIABLE LISTING

<u>Variable</u>	<u>Description</u>	<u>Position</u>
SEX	Sex - Edited And Imputed	51
STATE	State Code, FIPS	16
SUSEQNUM	Sequence Number Of Sample Unit	1
TM4314	SC4314 from the core file	861
TM4322	SC4322 from the core file	869
TM4414	SC4414 from the core file	877
TM4422	SC4422 from the core file	885
TM8000	Self-Employed (ID-1)	609
TM8002	Check Item S6.1, Sole Proprietorship (ID-1)	610
TM8004	Own What Percent of Business (ID-1)	611
TM8006	Check Item S56.2, TM8008, TM8010, TM8012, and TM8014 (ID-1)	614
TM8008	Value of Business Before Debts (ID-1), Total	615
TM8012	Debt, Owed Against Business (ID-1), Total	624
TM8016	Self-Employed (ID-2)	633
TM8018	Check Item D13, Sole Proprietorship (ID-2)	634
TM8020	Own What Percent of Business (ID-2)	635
TM8022	Check Item S14, TM8024, TM8026, TM8028, and TM8030 (ID-2)	638
TM8024	Value of Business Before Debts (ID-2), Total	639
TM8028	Debt, Owed Against Business (ID-2), Total	648
TM8032	Check Item A14, Interview Status	665
TM8034	Stocks, Value of Market	666
TM8038	Debt or Margin Account Held Against Joint Stocks/Mutual Funds	675
TM8040	Debt or Margin Account (Joint Stocks), Amount	676
TM8042	Stocks or Mutual Fund Shares, Other	682
TM8044	Stocks in Own Name, Market Value of	683
TM8048	Debt or Margin Account Held Against Stocks/Mutual Funds	692
TM8050	Debt or Margin Account, Amount	693
TM8052	Property, Rental Own Jointly With Spouse	699
TM8054	Properties Owned Jointly With Spouse, Number of	701
TM8056	Vacation Home	703
TM8058	Property, Other Residential	704
TM8060	Property, Farm	705
TM8062	Property, Commercial	706
TM8064	Property, Equipment	707
TM8066	Property, Other	708
TM8067	Properties Attached to Residence	709
TM8068	Property, Total Market Value	710
TM8072	Mortgage, Deed Of Trust, or Other Debt on Property	719
TM8074	Principal Owed On Property	721
TM8076	Property, Rental in Own Name	730
TM8078	Properties in Own Name, Number of	732
TM8080	Vacation Home (in Own Name)	734
TM8082	Property, Other Residential (in Own Name)	735
TM8084	Property, Farm (in Own Name)	736
TM8086	Property, Commercial (in Own Name)	737
TM8088	Property, Equipment (in Own Name)	738
TM8090	Property, Other (in Own Name)	739
TM8091	Properties Attached to Residence	740
TM8092	Property, Total Market Value (in Own Name)	741
TM8096	Mortgage, Deed...Other Debt On Property (in Own Name)	750
TM8098	Principal Owed On Property (in Own Name)	752

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<u>Variable</u>	<u>Description</u>	<u>Position</u>
TM8100	Rental Property Owned Jointly With Other Than Spouse	761
TM8102	Properties Owned Jointly With Others, Number of	763
TM8104	Vacation Home (Owned With Others)	765
TM8106	Property, Other Residential (Owned With Others)	766
TM8108	Property, Farm (Owned With Others)	767
TM8110	Property, Commercial (Owned With Others)	768
TM8112	Property, Equipment (Owned With Others)	769
TM8114	Property, Other (Owned With Others)	770
TM8116	Property, Total Market Value (Owned With Others)	771
TM8118	Mortgage, Deed...Other Debt on Prop. (Owned With Others)	780
TM8120	Principal Owed on Property (Owned With Others)	782
TM8122	Equity in Property Owned With Others	791
TM8126	Principal, Amount Owed ... and Spouse on Mortgage	800
TM8128	Principal, Amount Owed ... on Mortgage	809
TM8130	Check Item A20 - ISS code 150 marked in check item A17	818
TM8132	Equity in Other Financial Investments	819
TM8200	Owed, Money (Sale of Business From Anyone Outside HH)	893
TM8202	Owed, Amount (Sale of Business From Anyone Outside HH)	895
TM8204	Savings Bonds, Ownership of	904
TM8206	Savings Bonds, Face Value of	905
TM8208	Check Item T1 - Interview Status of Spouse	911
TM8209	Checking Accounts, Joint Non-Interest	912
TM8210	Checking Accounts, Estimate of Amount in Joint	914
TM8212	Owe Money (Joint) for Store Bills or Credit Card Bills	920
TM8214	Amount Owed (Joint) on Store Bills or Credit Card Bills	922
TM8216	Owe Money (Joint) for Bank or Credit Union Loans	928
TM8218	Amount Owed for Bank or Credit Union Loans	930
TM8220	Owe Money (Joint) for Any Other Debt	936
TM8222	Amount Owed (Joint) for Any Other Debt	938
TM8232	Checking Account, Other Non-Interest Bearing	944
TM8233	Amount in Checking Accounts, Estimate	946
TM8234	Debts, (Credit Card Bills, etc.) Own Name	952
TM8236	Owe Money, (Store Bills or Credit Cards) Own Name	954
TM8238	Amount Owed on Store Bills or Credit Card Bills	956
TM8240	Owe Money, (Loan Thru Bank or Credit Union) Own Name	962
TM8242	Amount Owed on Loans Thru Bank or Credit Union) Own Name	964
TM8244	Debt, Any Other - Own Name	970
TM8246	Amount Owed (Own Name) for Any Other Debt	972
TM8258	Check Item T2 - 21 years of age or older	978
TM8260	IRA Account in Own Name	979
TM8262	IRA, Number of Years Contributed to	981
TM8264	IRA, Market Value of	983
TM8268	Certificates of Deposit, Other Saving Cert. (Own IRA)	989
TM8270	Money Market Funds (Own IRA)	990
TM8272	U.S. Government Securities (Own IRA)	991
TM8274	Municipal or Corporate Bonds (Own IRA)	992
TM8276	U.S. Savings Bonds (Own IRA)	993
TM8278	Stocks or Mutual Fund Shares (Own IRA)	994
TM8280	Other Assets (Own IRA)	995
TM8282	Assets Held (Own IRA), Don't Know	996
TM8284	Keogh Account in Own Name	997

VARIABLE LISTING

<u>Variable</u>	<u>Description</u>	<u>Position</u>
TM8286	Keogh Account, Years Contributed to	999
TM8288	Keogh Account, Market Value of	1001
TM8292	Certificates of Deposit, Other Savings Cert. (Own Keogh)	1007
TM8294	Money Market Funds (Own Keogh)	1008
TM8296	U.S. Government Securities (Own Keogh)	1009
TM8298	Municipal or Corporate Bonds (Own Keogh)	1010
TM8300	U.S. Savings Bonds (Own Keogh)	1011
TM8302	Stocks or Mutual Fund Shares (Own Keogh)	1012
TM8304	Other Assets (Own Keogh)	1013
TM8306	Assets Held (Own Keogh), Don't Know	1014
TM8308	Insurance Coverage, Life	1015
TM8309	Insurance Coverage, Life - Current Face Value of All	1017
TM8312	Insurance Coverage Type - Term or Whole Life	1026
TM8314	Is "Worked" marked on the ISS, Check Item T3	1028
TM8316	Insurance Policies Thru Employer, Life	1029
TM8318	Insurance Policies, Face Value Thru Employer	1030
TM8400	Medical Expenses Paid - Doctor Bills	1073
TM8402	Medical Expenses Paid - Dentist Bills	1075
TM8404	Medical Expenses Paid - Hospital Bills	1077
TM8406	Medical Expenses Paid - Prescription Medicine	1079
TM8408	Check Item T4 - One or More "Yes" Boxes, Item 1	1081
TM8410	Medical Expenses, Total Paid Not To Be Reimbursed	1082
TM8412	Age of Respondent - Check Item T5	1088
TM8412	Check Item T5 - Age of Respondent	1088
TM8413	Check item T6 - What is marked in Item 18A	1089
TM8413	Item 18A, What is Marked - Check Item 18A	1089
TM8416	Disabled Marked on Control Card	1090
TM8418	Health Condition Limits Kind/Amount of Work	1091
TM8420	Health Condition Limits Kind/Amt. of Work, Existence of	1092
TM8422	Check Item T7 - Worked Marked on ISS	1093
TM8422	Worked Marked on ISS - Check Item T7	1093
TM8424	Health or Condition Prevents Working at Job/Business	1094
TM8426	Health or Condition Prevented Working Past 12 Mos. +	1095
TM8428	Health or Condition Allows Work at Some Time Next 12 Mos.	1096
TM8526	Reference Person's Questionnaire	69
TM8528	Check Item T10 - Mobile Home	70
TM8528	Mobile Home - Check Item T10	70
TM8530	Check Item T11 - Tenure	71
TM8530	Tenure - Check Item T11	71
TM8532	Person Number of Household Owner Number 1	72
TM8534	Person Number of Household Owner Number 2	75
TM8536	Person Number of Household Owner Number 3	78
TM8538	Home, Purchased (Month)	81
TM8539	Home, Purchased (Year)	83
TM8540	Mortgage or Other Debt on This Home	87
TM8542	Mortgages or Other Debts on This Home, Total Number of	89
TM8564	Mortgage Debt, Principal Amount Owed (First Mortgage)	91
TM8566	Mortgage Debt, Principal Amount Owed (Second Mortgage)	126
TM8568	Mortgage Obtained, Year (First Mortgage)	100
TM8569	Mortgage Obtained, Month (First Mortgage)	104
TM8570	Mortgage Obtained, Year (Second Mortgage)	135

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<u>Variable</u>	<u>Description</u>	<u>Position</u>
TM8571	Mortgage Obtained, Month (Second Mortgage)	139
TM8572	Mortgage Obtained, Amount (First Mortgage)	106
TM8574	Mortgage Obtained, Amount (Second Mortgage)	141
TM8576	Mortgage, Total Years (First Mortgage)	115
TM8578	Mortgage, Total Years (Second Mortgage)	150
TM8580	Mortgage, Current Annual Interest Rate (First Mortgage)	117
TM8582	Mortgage, Current Annual Interest Rate (Second Mortgage)	152
TM8584	Mortgage, Variable Rate Interest (First Mortgage)	121
TM8586	Mortgage, Variable Rate Interest (Second Mortgage)	156
TM8587	Mortgage, FHA or VA (First Mortgage)	123
TM8589	Mortgage, FHA or VA (Second Mortgage)	158
TM8592	Check item T12 - Loan or Mortgage, Other	125
TM8594	Check item T13 - 3 or More Mortgages or Loans	160
TM8596	Mortgage, Total Principal Owed on Remaining	161
TM8598	Property, Current Value of	170
TM8608	Check Item T14 - Tenure of Mobile Home	179
TM8608	Tenure of Mobile Home - Check Item T14	179
TM8610	Mortgage, Other Debt on Mobile Home or Site	180
TM8612	Mortgage, Other Debt - Site Only, or also Mobile Home	182
TM8624	Mortgage, Principal Amount Owed	183
TM8630	Mobile Home (and Site), Sale Amount	189
TM8638	Rent/Mortgage Payment Amount	195
TM8640	Utilities Payment Amount, Total	201
TM8642	Check Item T15 - Composition of Household	207
TM8642	Composition of Household - Check Item T15	207
TM8644	Rent/Mortgage, Utilities Paid by More than One Person	208
TM8646	Rent/Mortgage, Utilities Paid by Person Number	209
TM8647	Rent/Mortgage, Utilities Paid by Person Number 1	212
TM8648	Rent/Mortgage, Utilities Paid by Person Number 2	215
TM8649	Rent/Mortgage, Utilities Paid by Person Number 3	218
TM8650	Rent/Mortgage, Utilities Amount Paid by Person Number 1	221
TM8651	Rent/Mortgage, Utilities Amount Paid by Person Number 2	227
TM8652	Rent/Mortgage, Utilities Amount Paid by Person Number 3	233
TM8654	Persons in Household, Number of	239
TM8656	Care of a Child or a Disabled Person Payment	240
TM8657	Care of a Child or Disabled Person, Total Cost	241
TM8658	Check Item T17 - Public or Subsidized Residence	247
TM8658	Public or Subsidized Residence - Check Item T17	247
TM8660	Own Real Estate, Other	248
TM8662	Owner of Property, Person Number (First)	250
TM8664	Owner of Property, Person Number (Second)	253
TM8666	Equity in Property, Total Value of	256
TM8714	Motor Vehicle, Ownership of	265
TM8716	Motor Vehicles, Number of	266
TM8718	Motor Vehicle One Owner, First Person Number of	268
TM8720	Motor Vehicle Two Owner, First Person Number of	288
TM8722	Motor Vehicle Three Owner, First Person Number of	308
TM8724	Motor Vehicle One Owner, Second Person Number of	271
TM8726	Motor Vehicle Two Owner, Second Person Number of	291
TM8728	Motor Vehicle Three Owner, Second Person Number of	311
TM8730	Motor Vehicle One, Year	274

VARIABLE LISTING

<u>Variable</u>	<u>Description</u>	<u>Position</u>
TM8732	Motor Vehicle Two, Year	294
TM8734	Motor Vehicle Three, Year	314
TM8754	Motor Vehicle One, Existence of Debt	278
TM8756	Motor Vehicle Two, Existence of Debt	298
TM8758	Motor Vehicle Three, Existence of Debt	318
TM8760	Motor Vehicle One, Amount Currently Owed	280
TM8761	Motor Vehicle Two, Amount Currently Owed	300
TM8762	Motor Vehicle Three, Amount Currently Owed	320
TM8763	Motor Vehicle One, Primary Use	286
TM8764	Motor Vehicle Two, Primary Use	306
TM8765	Motor Vehicle Three, Primary Use	326
TM8766	Check item T18 - Motor Vehicle One, Existence of Another	287
TM8766	Motor Vehicle One, Existence of Another - Check Item T18	287
TM8768	Check item T18 - Motor Vehicle Two, Existence of Another	307
TM8768	Motor Vehicle Two, Existence of Another - Check Item T18	307
TM8770	Motorcycle, Ownership of	327
TM8772	Boat, Ownership of	328
TM8774	Recreational Vehicle, Ownership of	329
TM8776	Motor Vehicle, Ownership of Other	330
TM8778	Motor Vehicle, No Other Vehicle Owned	331
TM8780	Person Number, Owner of First Other Motor Vehicle	332
TM8782	Person Number, Owner of Second Other Motor Vehicle	353
TM8784	Person Number, Other Owner of First Other Motor Vehicle	335
TM8786	Person Number, Other Owner of Second Other Motor Vehicle	356
TM8788	Price, Selling of First Other Vehicle	338
TM8790	Price, Selling of Second Other Vehicle	359
TM8792	Motor Vehicle Owned, First - No Debt	344
TM8794	Motor Vehicle Owned, Second - No Debt	365
TM8796	Motor Vehicle, Amount Owed on First	346
TM8798	Motor Vehicle, Amount Owed on Second	367
TM8800	Check Item T19 - Motor Vehicles, Existence of Other	352
TM8800	Motor Vehicles, Existence of Other - Check Item T19	352
TMCARVL1	Car Value, Vehicle 1 (HH Recode-Assets and Liabilities)	373
TMCARVL2	Car Value, Vehicle 2 (HH Recode-Assets and Liabilities)	379
TMCARVL3	Car Value, Vehicle 3 (HH Recode-Assets and Liabilities)	385
WAVE	Wave number for panel	65

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
```

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DATA	SIZE	BEGIN	DATA	SIZE	BEGIN
D SUSEQNUM	5	1	D ADDID	2	20
Sequence number of sample unit			Address ID. - this field differentiates		
Primary sort key			households within the same PSU, segment		
D ID	9	6	and serial, that is, households which		
Sample unit identifier			originate out of an original sample		
This identifier is created by scrambling			household		
together the PSU, segment and serial of			U All households		
the original sample address. It may be			D ITEM36B	2	22
used in matching sample units from			Control Card item 36b - interview status		
different waves			code		
D ROTATION	1	15	U All households		
Rotation			V	01	.Interviewed
D STATE	2	16	Type A noninterview		
FIPS state code from the MST/GRIN file			V	02	.No one home
V	01	.Alabama	V	03	.Temporarily absent
V	04	.Arizona	V	04	.Refused
V	05	.Arkansas	V	05	.Unable to locate
V	06	.California	V	06	.Other type a
V	08	.Colorado	Type B noninterview (wave 1)		
V	09	.Connecticut	V	09	.Vacant
V	10	.Delaware	V	10	.Occupied by persons with URE
V	11	.District of Columbia	V	11	.Unfit or to be demolished
V	12	.Florida	V	12	.Under construction, not ready
V	13	.Georgia	V	13	.Converted to temporary business
V	15	.Hawaii	.or storage		
V	17	.Illinois	V	14	.Unoccupied site for mobile
V	18	.Indiana	.home, trailer, or tent		
V	20	.Kansas	V	15	.Permit granted, construction
V	21	.Kentucky	.not started		
V	22	.Louisiana	V	16	.Other Type B
V	24	.Maryland	Type B noninterview (wave 2+)		
V	25	.Massachusetts	V	16	.Entire HH institutionalized or
V	26	.Michigan	.temporarily ineligible		
V	27	.Minnesota	Type C noninterview (wave 1)		
V	28	.Mississippi	V	17	.Demolished
V	29	.Missouri	V	18	.House or trailer moved
V	31	.Nebraska	V	19	.Converted to permanent business
V	32	.Nevada	.or storage		
V	33	.New Hampshire	V	20	.Merged
V	34	.New Jersey	V	21	.Condemned
V	35	.New Mexico	V	22	.Other Type C
V	36	.New York	Type C noninterview (wave 2+)		
V	37	.North Carolina	V	22	.Deleted (sample adjustment,
V	39	.Ohio	.error)		
V	40	.Oklahoma	V	23	.Entire household deceased,
V	41	.Oregon	.moved out of country, or living		
V	42	.Pennsylvania	.in armed forces barracks		
V	44	.Rhode Island	Type D noninterview (wave 2+)		
V	45	.South Carolina	V	24	.Moved, address unknown
V	47	.Tennessee	V	25	.Moved within country beyond
V	48	.Texas	.limit		
V	49	.Utah	V	26	.All sample persons relisted on
V	51	.Virginia	.new Control Card(s)		
V	53	.Washington	V	28	.Merged HHLDS across panels
V	54	.West Virginia	D INTVW	1	24
V	55	.Wisconsin	Person's interview status		
V	61	.Maine, Vermont	U All persons, including children		
V	62	.Iowa, North Dakota, South Dakota	V	0	.Not applicable (children
V	63	.Alaska, Idaho, Montana, Wyoming	.under 15)		
D PINX	2	18	V	1	.Interview (self)
Person index from core			V	2	.Interview (proxy)
			V	3	.Noninterview - Type Z refusal
			V	4	.Noninterview - Type Z other

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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 month
V	1	.Household reference person, living with relatives
V	2	.Household reference person living alone or with only non-relatives (primary individual)
V	3	.Spouse of household reference person
V	4	.Child of household reference person
V	5	.Other relative of household reference person

DATA	SIZE	BEGIN
V	6	.Non-relative of household reference person but related to others in the household - member of an unrelated sub.(secondary) family
V	7	.Non-relative of household reference person and not related to anyone else in the household (secondary individual)
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 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 Aleut
V	4	.Asian or Pacific Islander
D MS	1	53
Marital status. If a persons marital status changed during any month, the marital status show 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 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 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 month
V	999	.Not applicable

DATA DICTIONARY

```

DATA      SIZE  BEGIN
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, did
V          .not attend or attended only
V          .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

D ETHNICTY   2    63
    Ethnic origin
U All persons, including children
V          01 .German
V          02 .English
V          03 .Irish
V          04 .French
V          05 .Italian
V          06 .Scottish
V          07 .Polish
V          08 .Dutch
V          09 .Swedish
V          10 .Norwegian
V          11 .Russian
V          12 .Ukrainian
V          13 .Welsh
V          14 .Mexican-American
V          15 .Chicano
V          16 .Mexican
V          17 .Puerto Rican
V          18 .Cuban
V          19 .Central or South American
V          .(Spanish speaking)
V          20 .Other Spanish
V          21 .Afro-American (Black or Negro)
V          30 .Another group not listed
V          39 .Don't know

D WAVE       1    65
    Wave number for panel

D FILLER     3    66
    Filler

*****
* Housing Costs, Conditions, and Energy *
* Usage, and Automobile Ownership *
*****

D TM8526     1    69
    Check item t9
    Is this the reference person's
    questionnaire
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to SC4800

```

```

DATA      SIZE  BEGIN
D TM8528     1    70
    Check item t10
    Is this housing unit a mobile home
V          0 .Not applicable
V          1 .Yes - skip to TM8608
V          2 .No

D TM8530     1    71
    Check item t11
    Tenure
V          0 .Not applicable
V          1 .Owned or being bought
V          2 .Rented for cash - skip to TM8638
V          3 .Occupied without cash payment -
V          .skip to TM8640

*****
* 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 *
*V          .not in universe based on *
*V          .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    72
    Person number
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 TM8534     3    75
    Person number
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

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DATA	SIZE	BEGIN		DATA	SIZE	BEGIN	
V 501 - 524			.Person number	D TM8568	4	100	In what year was this mortgage (loan)
V 580 - 599			.Person number				obtained (if mortgage was assumed, give
V 601 - 624			.Person number				the original date of the mortgage)
V 680 - 699			.Person number	V	0		.Not applicable - skip to TM8572
V 701 - 724			.Person number	V	0001 -		
V 780 - 799			.Person number	V	0095,		
				V	1900 -		
D TM8536	3	78	Person number	V	1995		.Year - skip to TM8572
V 101 - 124			.Person number	D TM8569	2	104	In what month was this mortgage (loan)
V 180 - 199			.Person number				obtained
V 201 - 224			.Person number	V	00		.Not applicable
V 280 - 299			.Person number	V	01 - 12		.Month
V 301 - 324			.Person number	D TM8572	9	106	What was the amount of the mortgage
V 380 - 399			.Person number				(loan) when it was obtained or last
V 401 - 424			.Person number				refinanced
V 480 - 499			.Person number	V	000000000		.Not applicable
V 501 - 524			.Person number	V	000000001 -		
V 580 - 599			.Person number	V	000200000		.Total amount
V 601 - 624			.Person number	D TM8576	2	115	What is the total number of years over
V 680 - 699			.Person number				which payments are to be made
V 701 - 724			.Person number	V	00		.Not applicable
V 780 - 799			.Person number	V	01 - 99		.Total number of years
				V	-8		.Not fixed
D TM8538	2	81	In what month was this home purchased	D TM8580	4	117	What is the current annual interest rate
V	00		.Not applicable				on this mortgage (loan) there are 2
V	01 - 12		.Month				implied decimal places
D TM8539	4	83	In what year was this home purchased	V	0000		.Not applicable
V	0000		.Not applicable	V	0001 -		
V	0001-			V	9999		.Interest rate (percent)
V	0095,			D TM8584	2	121	Is the interest rate variable, that is,
V	1900-						can the rate change over the term of the
V	1995		.Year				mortgage (loan)
D TM8540	2	87	Is there a mortgage, home, equity loan,	V	00		.Not applicable
			or other debt on this home	V	01		.Yes
V	00		.Not applicable	V	02		.No
V	01		.Yes	D TM8587	2	123	Was this mortgage obtained through an
V	02		.No - skip to TM8598				FHA or VA mortgage program
D TM8542	2	89	How many mortgages, home equity loans,	V	00		.Not applicable
			or other debts are there	V	01		.Yes - FHA
V	00 - 09		.Total number	V	02		.Yes - VA
				V	03		.No

* The next 9 fields (TM8564 through *							
* TM8592) are related to first mortgage *							

D TM8564	9	91	How much principal is currently owed on	D TM8592	1	125	Check item t12
			this mortgage (debt)				Is there another loan or mortgage
V	000000000		.Not applicable	V	0		.Not applicable
V	000000001 -			V	1		.Yes - skip to TM8566
V	000190000		.Total amount	V	2		.No - skip to TM8598

DATA DICTIONARY

```

DATA      SIZE  BEGIN
*****
*   The next 8 fields (TM8566 through   *
*   TM8589) are related to second      *
*   mortgage or other loan             *
*****
D TM8566   9    126
    How much principal is currently owed on
    this mortgage (debt)
V 000000000 .Not applicable
V 000000001 .Value combined with TM8564

D TM8570   4    135
    In what year was this mortgage (loan)
    obtained
V 0000 .Not applicable - skip to TM8574
V 0001 -
V 0095,
V 1900 -
V 1995 .Year - skip to TM8574

D TM8571   2    139
    In what month was this mortgage (loan)
    obtained
V 00 .Not applicable
V 01 - 12 .Month

D TM8574   9    141
    What was the amount of the mortgage
    (loan) when it was obtained or last
    refinanced
V 000000000 .Not applicable
V 000000001 .Value combined with TM8572

D TM8578   2    150
    What is the total number of years over
    which payments are to be made
V 00 .Not applicable
V 01 - 99 .Total number of years
V -8 .Not fixed

D TM8582   4    152
    What is the current annual interest rate
    on this mortgage (loan) there are 2
    implied decimal places
V 0000 .Not applicable
V 0001 -
V 9999 .Interest rate (percent)

D TM8586   2    156
    Is the interest rate variable, that is,
    can the rate change over the term of the
    mortgage (loan)
V 00 .Not applicable
V 01 .Yes
V 02 .No

D TM8589   2    158
    Was this mortgage obtained through an
    FHA or VA mortgage program
V 00 .Not applicable
V 01 .Yes - FHA
V 02 .Yes - VA
V 03 .No

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```

DATA      SIZE  BEGIN
D TM8594   1    160
    Check item t13
    Are there 3 or more mortgages or loans
    on this home
V 0 .Not applicable
V 1 .Yes
V 2 .No - skip to TM8598

D TM8596   9    161
    How much principal is currently owed on
    all the remaining mortgages or loans not
    reported previously
V 000000000 .Not applicable
V 000000001 .Value combined with TM8564

D TM8598   9    170
    What is the current value of this
    property; that is, how much do you think
    it would sell for on today's market if
    it were for sale
V 000000000 .Not applicable - skip to TM8638
V 000000001 -
V 000346000 .Total amount - skip to
V .TM8638

D TM8608   1    179
    Check item t14
    Tenure of mobile home
V 0 .Not applicable
V 1 .Owned
V 2 .Rented - skip to TM8638
V 3 .Occupied without cash rent -
    skip to TM8640

D TM8610   2    180
    Is there a mortgage, installment loan,
    contract to purchase, or other debt on
    this mobile home or site
V 00 .Not applicable
V 01 .Yes
V 02 .No - skip to TM8630

D TM8612   1    182
    Is this a mortgage, contract, or other
    debt for just the site, or does it also
    apply to this mobile home
V 0 .Not applicable
V 1 .Mobile home only
V 2 .Site only
V 3 .Site and home

D TM8624   6    183
    How much principal is currently owed on
    this (these) mortgage(s)
V 000000 .Not applicable
V 000001 -
V 048000 .Total amount

D TM8630   6    189
    How much do you think this mobile home
    (and site) would sell for today if it
    were for sale
V 000000 .Not applicable
V 000001 -
V 075000 .Total amount - skip to
V .TM8638

```

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DATA	SIZE	BEGIN	DATA	SIZE	BEGIN
D TM8638	6	195	V 301 - 324		.Person number
		How much was this household's	V 380 - 399		.Person number
		(rent/mortgage) payment last month?	V 401 - 424		.Person number
V	000000	.Not applicable	V 480 - 499		.Person number
V	000001	-	V 501 - 524		.Person number
V	001500	.Amount of payment	V 580 - 599		.Person number
V	-1	.Don't know	V 601 - 624		.Person number
V	-2	.Refused	V 680 - 699		.Person number
V	-3	.None	V 701 - 724		.Person number
			V 780 - 799		.Person number
D TM8640	6	201	D TM8648	3	215
		How much did this household pay for			Person number
		electricity, gas, and other utilities	V 101 - 124		.Person number
		last month?	V 180 - 199		.Person number
V	0	.Not applicable	V 201 - 224		.Person number
V	1 - 400	.Amount of utilities	V 280 - 299		.Person number
V	-1	.Don't know	V 301 - 324		.Person number
V	-2	.Refused	V 380 - 399		.Person number
V	-3	.None	V 401 - 424		.Person number
			V 480 - 499		.Person number
D TM8642	1	207	V 501 - 524		.Person number
		Check item t15	V 580 - 599		.Person number
		Composition of household	V 601 - 624		.Person number
V	0	.not applicable	V 680 - 699		.Person number
V	1	.One person household - skip to	V 701 - 724		.Person number
V		.TM8654	V 780 - 799		.Person number
V	2	.Married-couple household, no			
V		.other person	D TM8649	3	218
		18 or older - skip to TM8654			Person number
V	3	.Single parent household, no	V 101 - 124		.Person number
V		.other person 18 or older - skip	V 180 - 199		.Person number
V		.to TM8654	V 201 - 224		.Person number
V	4	.Other composition	V 280 - 299		.Person number
			V 301 - 324		.Person number
D TM8644	1	208	V 380 - 399		.Person number
		Did more than one of the persons living	V 401 - 424		.Person number
		here pay for the (rent/mortgage) payment	V 480 - 499		.Person number
		and utilities last month?	V 501 - 524		.Person number
V	0	.Not applicable	V 580 - 599		.Person number
V	1	.Yes - skip to 8647	V 601 - 624		.Person number
V	2	.No	V 680 - 699		.Person number
			V 701 - 724		.Person number
D TM8646	3	209	V 780 - 799		.Person number
		Person number - skip to 8654			
V	999	.No mortgage/rent or utilities	D TM8650	6	221
V		.to be paid by anyone			How much did this person pay
		Which person paid?	V 000000		.Not applicable
V	101 - 124	.Person number	V 000001		-
V	180 - 199	.Person number	V 000800		.Amount paid
V	201 - 224	.Person number			
V	280 - 299	.Person number	D TM8651	6	227
V	301 - 324	.Person number			How much did this person pay
V	380 - 399	.Person number	V 000000		.Not applicable
V	401 - 424	.Person number	V 000001		-
V	480 - 499	.Person number	V 000750		.Amount paid
V	501 - 524	.Person number			
V	580 - 599	.Person number	D TM8652	6	233
V	601 - 624	.Person number			How much did this person pay
V	680 - 699	.Person number	V 000000		.Not applicable
V	701 - 724	.Person number	V 000001		-
V	780 - 799	.Person number	V 000500		.Amount paid
D TM8647	3	212	D TM8654	1	239
		Person number			Number of persons in household
V	101 - 124	.Person number	V	0	.Not applicable
V	180 - 199	.Person number	V	1	.One - skip to TM8658
V	201 - 224	.Person number	V	2	.Two or more
V	280 - 299	.Person number			

DATA DICTIONARY

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DATA      SIZE  BEGIN
D TM8656   1    240
    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?
V          0 .Not applicable
V          1 .One - skip to TM8658
V          2 .Two or more
D TM8657   6    241
    What was the total cost of these care
    arrangements for last month?
V    000000 .Not applicable
V    000001 -
V    000850 .Amount paid
D TM8658   1    247
    Check item t17
    Is this residence in a public housing
    project, is it subsidized, or is it
    neither public nor subsidized
V          0 .Not applicable
V          1 .In a public housing project -
V          .skip to TM8714
V          2 .Subsidized - skip to TM8714
V          3 .Neither public nor subsidized
D TM8660   2    248
    Do you or anyone in this household own
    any (other) real estate, such as a
    vacation home or undeveloped lot
V          00 .Not applicable
V          01 .Yes
V          02 .No - skip to TM8714
D TM8662   3    250
    Which person in this household is the
    first owner of this (these)property(ies)
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 TM8664   3    253
    Which person in this household is the
    second owner of this (these)
    property(ies)
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

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```

DATA      SIZE  BEGIN
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   9    256
    What is the total value of... equity in
    this (these) property(ies)
V    000000000 .Not applicable
V    00000001 -
V    000250000 .Total amount
D TM8714   1    265
    Does anyone in this household own a car,
    van, or truck, excluding recreational
    vehicles (RV'S) and motorcycles
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to TM8770
D TM8716   2    266
    How many cars, trucks, or vans are owned
    by members of this household
V          00 .Not applicable
V          01 - 99 .Number of motor vehicles
*****
*    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, next
*    newest and oldest motor vehicle
*V          0 .Not a legal person number or
*V          .not applicable based on
*V          .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 TM8718   3    268
    First person number
D TM8724   3    271
    Second person number
D TM8730   4    274
    What is the year of this vehicle
V          0000 .Not applicable
V          1982 -
V          1995 .Year

```

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```

DATA      SIZE  BEGIN
D TM8754      2    278
    Is this vehicle owned free and clear,
    or is there still money owed on it
V          00 .Not applicable
V          01 .Money owed
V          02 .Free and clear - skip to TM8763

D TM8760      6    280
    How much is currently owed for this
    vehicle
V          000000 .Not applicable
V          000003 -
V          022000 .Total amount

D TM8763      1    286
    Is this vehicle used primarily for
    either business purposes or for the
    transportation of a disabled person?
V          0 .Not applicable
V          1 .Yes
V          2 .No

D TM8766      1    287
    Check item t18
    Is there another vehicle which has not
    been asked about
V          0 .Not applicable
V          1 .Yes - skip to TM8720 for
V          .vehicle 2
V          2 .No - skip to TM8770

*****
*   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          0 .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    288
    First person number

D TM8726      3    291
    Second person number

D TM8732      4    294
    What is the year of this vehicle
V          0000 .Not applicable
V          1982 -
V          1995 .Year
    
```

```

DATA      SIZE  BEGIN
D TM8756      2    298
    Is this vehicle owned free and clear, or
    is there still money owed on it
V          00 .Not applicable
V          01 .Money owed
V          02 .Free and clear - skip to TM8768

D TM8761      6    300
    How much is currently owed for this
    vehicle
V          000000 .Not applicable
V          000003 -
V          022000 .Total amount

D TM8764      1    306
    Is this vehicle used primarily for
    either business purposes or for the
    transportation of a disabled person?
V          0 .Not applicable
V          1 .Yes
V          2 .No

D TM8768      1    307
    Is there another vehicle which has not
    been asked about
V          0 .Not applicable
V          1 .Yes - skip to TM8722 for
V          .vehicle 3
V          2 .No - skip to TM8770

*****
*   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          0 .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 TM8722      3    308
    First person number

D TM8728      3    311
    Second person number

D TM8734      4    314
    What is the year of this vehicle
V          0000 .Not applicable
V          1982 -
V          1995 .Year
    
```

DATA DICTIONARY

```

DATA      SIZE  BEGIN
D TM8758      2    318
    Is this vehicle owned free and clear or
    is there still money owed on it
V          00 .Not applicable
V          01 .Money owed
V          02 .Free and clear - skip to TM8770

D TM8762      6    320
    How much is currently owed for this
    vehicle
V          000000 .Not applicable
V          000003 -
V          022000 .Total amount

*****
*   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 mark as a kind of vehicle
*V          .or not applicable
*V          1 .Marked as a kind of vehicle
*****

D TM8765      1    326
    Is this vehicle used primarily for
    either business purposes or for the
    transportation of a disabled person?
V          0 .Not applicable
V          1 .Yes
V          2 .No

D TM8770      1    327
    Motorcycle

D TM8772      1    328
    Boat

D TM8774      1    329
    Recreational vehicle (RV)

D TM8776      1    330
    Other

D TM8778      1    331
    No - skip to SC4800

```

```

DATA      SIZE  BEGIN
*****
*   The next 6 fields (TM8780 through
*   TM8800) are related to motor vehicle
*   one the next 2 fields are person
*   number(s) for motor vehicle owner(s)
*V          0 .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
*****

D TM8780      3    332
    First person number

D TM8784      3    335
    Second person number

D TM8788      6    338
    If this vehicle were sold, what would it
    sell for in its present condition
V          000000 .Not applicable
V          000001 -
V          025000 .Total amount

D TM8792      2    344
    Is this vehicle owned free and clear or
    is there still money owed on it
V          00 .Not applicable
V          01 .Money owed
V          02 .Free and clear - skip to TM8800

D TM8796      6    346
    How much is currently owed for this
    vehicle
V          000000 .Not applicable
V          000001 -
V          040000 .Total amount

D TM8800      1    352
    Check item t19
    Are there any other vehicles which have
    not been asked about
V          0 .Not applicable
V          1 .Yes - skip to TM8782
V          2 .No - skip to SC4800

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DATA      SIZE  BEGIN
*****
*   The next 5 fields (TM8782 through *
*   TM8798) are related to motor vehicle two*
*   The next 2 fields are person number(s) *
*   for motor vehicle owner(s) *
*V      0 .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 *
*****
D TM8782      3    353
   First person number

D TM8786      3    356
   Second person number

D TM8790      6    359
   If this vehicle were sold, what would it
   sell for in its present condition
V   000000 .Not applicable
V   000001 -
V   035000 .Total amount

D TM8794      2    365
   Is this vehicle owned free and clear or
   is there still money owed on it
V   00 .Not applicable
V   01 .Money owed
V   02 .Free and clear - skip to SC4800

D TM8798      6    367
   How much is currently owed for this
   vehicle
V   000000 .Not applicable - skip to SC4800
V   000003 -
V   056000 .Total amount - skip to
V   .SC4800

D TMCARVL1    6    373
   Present car value(s)
   Household recode of assets and
   liabilities

D TMCARVL2    6    379
   Present car value(s)
   Household recode of assets and
   liabilities

D TMCARVL3    6    385
   Present car value(s)
   Household recode of assets and
   liabilities

```

```

DATA      SIZE  BEGIN
D HH-MORTG    9    391
   Total debt owed on home
   For a mobile home: HH-MORTG TM8624
   For not a mobile home: total amount of
   first mortgage(TM8564) , second and
   mortgage(TM8566), and all other
   mortgages or equity loans(TM8596)

D HH-THEQ    10   400
   Home equity

D HH-VEHCL   10   410
   Net equity in vehicles

D HH-BEQ     10   420
   Business equity

D HH-INTBK   9    430
   Interest earning, assets held in banking
   institutions.

D HH-INTOT   9    439
   Interest earning, assets held in other
   institutions.

D HH-STK     10   448
   Equity in stocks and mutual fund shares

D HH-ORE     10   458
   Real estate (other than own home) equity
   in rental properties and other real
   estate

D HH-OTAST   9    468
   Other assets
   Total of mortgages held, money owed for
   sale of business, U.S. saving bonds,
   checking accounts, and other interest
   earning assets

D HH-IRA     6    477
   IRA and KEOGH accounts

D HH-TWLTH   10   483
   Total household wealth
   Total of HH-THEQ, HH-VEHCL, HH-BEQ, '
   HH-INTBK, HH-INTOT, HH-STK, HH-ORE,
   HH-OTAST, AND HH-IRA

D HH-SCDBT   9    493
   Secured debt

D HH-USDBT   9    502
   Unsecured debt

D HH-DEBT    9    511
   Total debt

D HH-TNW     10   520
   Total net worth
   Total wealth minus total unsecured debt

```

DATA SIZE BEGIN

D ATSUM01 1 530

Household assets summary.
There are 20 fields, defined as follows:

- 1 ISS code 100 - savings accounts
- 2 ISS code 101 - money market accounts
- 3 ISS code 102 - certificates of deposit
- 4 ISS code 103 - now accounts
- 5 ISS code 104 - money market funds
- 6 ISS code 105 - U.S. government securities
- 7 ISS code 106 - municipal or corporate bonds
- 8 ISS code 107 - other interest earning assets
- 9 ISS code 110 - stocks or mutual fund
- 10 ISS code 120 - rental property
- 11 ISS code 130 - mortgages
- 12 ISS code 140 - royalties
- 13 ISS code 150 - other financial investments
- 14 Self-employed owns business
- 15 Sale of business or property
- 16 Checking accounts w/o interest
- 17 U. S. savings bond (E, EE)
- 18 IRA accounts
- 19 KEOGH accounts
- 20 Real estate

The possible answer fields are:

V 0 .Not applicable or no

V 1 .Yes

Imputation flag for household

The possible answers are:

V 0 .Not imputed

V 1 .Imputed

D ATSUM02 1 531

Household assets summary.
There are 20 fields, defined as follows:

- 1 ISS code 100 - savings accounts
- 2 ISS code 101 - money market accounts
- 3 ISS code 102 - certificates of deposit
- 4 ISS code 103 - now accounts
- 5 ISS code 104 - money market funds
- 6 ISS code 105 - U.S. government securities
- 7 ISS code 106 - municipal or corporate bonds
- 8 ISS code 107 - other interest earning assets
- 9 ISS code 110 - stocks or mutual fund
- 10 ISS code 120 - rental property
- 11 ISS code 130 - mortgages
- 12 ISS code 140 - royalties
- 13 ISS code 150 - other financial investments
- 14 Self-employed owns business
- 15 Sale of business or property
- 16 Checking accounts w/o interest
- 17 U. S. savings bond (E, EE)
- 18 IRA accounts
- 19 KEOGH accounts

DATA SIZE BEGIN

20 Real estate

The possible answer fields are:

V 0 .Not applicable or no

V 1 .Yes

Imputation flag for household

The possible answers are:

V 0 .Not imputed

V 1 .Imputed

D ATSUM03 1 532

Household assets summary.
There are 20 fields, defined as follows:

- 1 ISS code 100 - savings accounts
- 2 ISS code 101 - money market accounts
- 3 ISS code 102 - certificates of deposit
- 4 ISS code 103 - now accounts
- 5 ISS code 104 - money market funds
- 6 ISS code 105 - U.S. government securities
- 7 ISS code 106 - municipal or corporate bonds
- 8 ISS code 107 - other interest earning assets
- 9 ISS code 110 - stocks or mutual fund
- 10 ISS code 120 - rental property
- 11 ISS code 130 - mortgages
- 12 ISS code 140 - royalties
- 13 ISS code 150 - other financial investments
- 14 Self-employed owns business
- 15 Sale of business or property
- 16 Checking accounts w/o interest
- 17 U. S. savings bond (E, EE)
- 18 IRA accounts
- 19 KEOGH accounts
- 20 Real estate

The possible answer fields are:

V 0 .Not applicable or no

V 1 .Yes

Imputation flag for household

The possible answers are:

V 0 .Not imputed

V 1 .Imputed

D ATSUM04 1 533

Household assets summary.
There are 20 fields, defined as follows:

- 1 ISS code 100 - savings accounts
- 2 ISS code 101 - money market accounts
- 3 ISS code 102 - certificates of deposit
- 4 ISS code 103 - now accounts
- 5 ISS code 104 - money market funds
- 6 ISS code 105 - U.S. government securities
- 7 ISS code 106 - municipal or corporate bonds
- 8 ISS code 107 - other interest earning assets
- 9 ISS code 110 - stocks or mutual fund
- 10 ISS code 120 - rental property
- 11 ISS code 130 - mortgages
- 12 ISS code 140 - royalties
- 13 ISS code 150 - other financial investments
- 14 Self-employed owns business
- 15 Sale of business or property

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DATA	SIZE	BEGIN
16	Checking accounts w/o interest	
17	U. S. savings bond (E, EE)	
18	IRA accounts	
19	KEOGH accounts	
20	Real estate	
	The possible answer fields are:	
V	0 .Not applicable or no	
V	1 .Yes	
	Imputation flag for household	
	The possible answers are:	
V	0 .Not imputed	
V	1 .Imputed	
D ATSUM05	1	534
	Household assets summary.	
	There are 20 fields, defined as follows:	
1	ISS code 100 - savings accounts	
2	ISS code 101 - money market accounts	
3	ISS code 102 - certificates of deposit	
4	ISS code 103 - now accounts	
5	ISS code 104 - money market funds	
6	ISS code 105 - U.S. government securities	
7	ISS code 106 - municipal or corporate bonds	
8	ISS code 107 - other interest earning assets	
9	ISS code 110 - stocks or mutual fund	
10	ISS code 120 - rental property	
11	ISS code 130 - mortgages	
12	ISS code 140 - royalties	
13	ISS code 150 - other financial investments	
14	Self-employed owns business	
15	Sale of business or property	
16	Checking accounts w/o interest	
17	U. S. savings bond (E, EE)	
18	IRA accounts	
19	KEOGH accounts	
20	Real estate	
	The possible answer fields are:	
V	0 .Not applicable or no	
V	1 .Yes	
	Imputation flag for household	
	The possible answers are:	
V	0 .Not imputed	
V	1 .Imputed	
D ATSUM06	1	535
	Household assets summary.	
	There are 20 fields, defined as follows:	
1	ISS code 100 - savings accounts	
2	ISS code 101 - money market accounts	
3	ISS code 102 - certificates of deposit	
4	ISS code 103 - now accounts	
5	ISS code 104 - money market funds	
6	ISS code 105 - U.S. government securities	
7	ISS code 106 - municipal or corporate bonds	
8	ISS code 107 - other interest earning assets	
9	ISS code 110 - stocks or mutual fund	
10	ISS code 120 - rental property	
11	ISS code 130 - mortgages	
12	ISS code 140 - royalties	
13	ISS code 150 - other financial investments	

DATA	SIZE	BEGIN
14	Self-employed owns business	
15	Sale of business or property	
16	Checking accounts w/o interest	
17	U. S. savings bond (E, EE)	
18	IRA accounts	
19	KEOGH accounts	
20	Real estate	
	The possible answer fields are:	
V	0 .Not applicable or no	
V	1 .Yes	
	Imputation flag for household	
	The possible answers are:	
V	0 .Not imputed	
V	1 .Imputed	
D ATSUM07	1	536
	Household assets summary.	
	There are 20 fields, defined as follows:	
1	ISS code 100 - savings accounts	
2	ISS code 101 - money market accounts	
3	ISS code 102 - certificates of deposit	
4	ISS code 103 - now accounts	
5	ISS code 104 - money market funds	
6	ISS code 105 - U.S. government securities	
7	ISS code 106 - municipal or corporate bonds	
8	ISS code 107 - other interest earning assets	
9	ISS code 110 - stocks or mutual fund	
10	ISS code 120 - rental property	
11	ISS code 130 - mortgages	
12	ISS code 140 - royalties	
13	ISS code 150 - other financial investments	
14	Self-employed owns business	
15	Sale of business or property	
16	Checking accounts w/o interest	
17	U. S. savings bond (E, EE)	
18	IRA accounts	
19	KEOGH accounts	
20	Real estate	
	The possible answer fields are:	
V	0 .Not applicable or no	
V	1 .Yes	
	Imputation flag for household	
	The possible answers are:	
V	0 .Not imputed	
V	1 .Imputed	
D ATSUM08	1	537
	Household assets summary.	
	There are 20 fields, defined as follows:	
1	ISS code 100 - savings accounts	
2	ISS code 101 - money market accounts	
3	ISS code 102 - certificates of deposit	
4	ISS code 103 - now accounts	
5	ISS code 104 - money market funds	
6	ISS code 105 - U.S. government securities	
7	ISS code 106 - municipal or corporate bonds	
8	ISS code 107 - other interest earning assets	
9	ISS code 110 - stocks or mutual fund	
10	ISS code 120 - rental property	
11	ISS code 130 - mortgages	
12	ISS code 140 - royalties	

DATA DICTIONARY

DATA	SIZE	BEGIN	DATA	SIZE	BEGIN
	13	ISS code 150 - other financial investments		11	ISS code 130 - mortgages
	14	Self-employed owns business		12	ISS code 140 - royalties
	15	Sale of business or property		13	ISS code 150 - other financial investments
	16	Checking accounts w/o interest		14	Self-employed owns business
	17	U. S. savings bond (E, EE)		15	Sale of business or property
	18	IRA accounts		16	Checking accounts w/o interest
	19	KEOGH accounts		17	U. S. savings bond (E, EE)
	20	Real estate		18	IRA accounts
		The possible answer fields are:		19	KEOGH accounts
V	0	.Not applicable or no		20	Real estate
V	1	.Yes			The possible answer fields are:
		Imputation flag for household	V	0	.Not applicable or no
		The possible answers are:	V	1	.Yes
V	0	.Not imputed			Imputation flag for household
V	1	.Imputed			The possible answers are:
D ATSUM09	1	538	V	0	.Not imputed
		Household assets summary.	V	1	.Imputed
		There are 20 fields, defined as follows:			D ATSUM11
	1	ISS code 100 - savings accounts		1	540
	2	ISS code 101 - money market accounts			Household assets summary.
	3	ISS code 102 - certificates of deposit			There are 20 fields, defined as follows:
	4	ISS code 103 - now accounts		1	ISS code 100 - savings accounts
	5	ISS code 104 - money market funds		2	ISS code 101 - money market accounts
	6	ISS code 105 - U.S. government securities		3	ISS code 102 - certificates of deposit
	7	ISS code 106 - municipal or corporate bonds		4	ISS code 103 - now accounts
	8	ISS code 107 - other interest earning assets		5	ISS code 104 - money market funds
	9	ISS code 110 - stocks or mutual fund		6	ISS code 105 - U.S. government securities
	10	ISS code 120 - rental property		7	ISS code 106 - municipal or corporate bonds
	11	ISS code 130 - mortgages		8	ISS code 107 - other interest earning assets
	12	ISS code 140 - royalties		9	ISS code 110 - stocks or mutual fund
	13	ISS code 150 - other financial investments		10	ISS code 120 - rental property
	14	Self-employed owns business		11	ISS code 130 - mortgages
	15	Sale of business or property		12	ISS code 140 - royalties
	16	Checking accounts w/o interest		13	ISS code 150 - other financial investments
	17	U. S. savings bond (E, EE)		14	Self-employed owns business
	18	IRA accounts		15	Sale of business or property
	19	KEOGH accounts		16	Checking accounts w/o interest
	20	Real estate		17	U. S. savings bond (E, EE)
		The possible answer fields are:		18	IRA accounts
V	0	.Not applicable or no		19	KEOGH accounts
V	1	.Yes		20	Real estate
		Imputation flag for household	V		The possible answer fields are:
		The possible answers are:	V	0	.Not applicable or no
V	0	.Not imputed	V	1	.Yes
V	1	.Imputed			Imputation flag for household
D ATSUM10	1	539			The possible answers are:
		Household assets summary.	V	0	.Not imputed
		There are 20 fields, defined as follows:	V	1	.Imputed
	1	ISS code 100 - savings accounts			D ATSUM12
	2	ISS code 101 - money market accounts		1	541
	3	ISS code 102 - certificates of deposit			Household assets summary.
	4	ISS code 103 - now accounts			There are 20 fields, defined as follows:
	5	ISS code 104 - money market funds		1	ISS code 100 - savings accounts
	6	ISS code 105 - U.S. government securities		2	ISS code 101 - money market accounts
	7	ISS code 106 - municipal or corporate bonds		3	ISS code 102 - certificates of deposit
	8	ISS code 107 - other interest earning assets		4	ISS code 103 - now accounts
	9	ISS code 110 - stocks or mutual fund		5	ISS code 104 - money market funds
	10	ISS code 120 - rental property		6	ISS code 105 - U.S. government securities
				7	ISS code 106 - municipal or corporate bonds
				8	ISS code 107 - other interest earning assets

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DATA SIZE BEGIN

9 ISS code 110 - stocks or mutual fund
10 ISS code 120 - rental property
11 ISS code 130 - mortgages
12 ISS code 140 - royalties
13 ISS code 150 - other financial
 investments
14 Self-employed owns business
15 Sale of business or property
16 Checking accounts w/o interest
17 U. S. savings bond (E, EE)
18 IRA accounts
19 KEOGH accounts
20 Real estate
The possible answer fields are:
V 0 .Not applicable or no
V 1 .Yes
Imputation flag for household
The possible answers are:
V 0 .Not imputed
V 1 .Imputed

D ATSUM13 1 542
Household assets summary.
There are 20 fields, defined as follows:
1 ISS code 100 - savings accounts
2 ISS code 101 - money market accounts
3 ISS code 102 - certificates of deposit
4 ISS code 103 - now accounts
5 ISS code 104 - money market funds
6 ISS code 105 - U.S. government
 securities
7 ISS code 106 - municipal or corporate
 bonds
8 ISS code 107 - other interest earning
 assets
9 ISS code 110 - stocks or mutual fund
10 ISS code 120 - rental property
11 ISS code 130 - mortgages
12 ISS code 140 - royalties
13 ISS code 150 - other financial
 investments
14 Self-employed owns business
15 Sale of business or property
16 Checking accounts w/o interest
17 U. S. savings bond (E, EE)
18 IRA accounts
19 KEOGH accounts
20 Real estate
The possible answer fields are:
V 0 .Not applicable or no
V 1 .Yes
Imputation flag for household
The possible answers are:
V 0 .Not imputed
V 1 .Imputed

D ATSUM14 1 543
Household assets summary.
There are 20 fields, defined as follows:
1 ISS code 100 - savings accounts
2 ISS code 101 - money market accounts
3 ISS code 102 - certificates of deposit
4 ISS code 103 - now accounts
5 ISS code 104 - money market funds
6 ISS code 105 - U.S. government
 securities
7 ISS code 106 - municipal or corporate
 bonds

DATA SIZE BEGIN

8 ISS code 107 - other interest earning
 assets
9 ISS code 110 - stocks or mutual fund
10 ISS code 120 - rental property
11 ISS code 130 - mortgages
12 ISS code 140 - royalties
13 ISS code 150 - other financial
 investments
14 Self-employed owns business
15 Sale of business or property
16 Checking accounts w/o interest
17 U. S. savings bond (E, EE)
18 IRA accounts
19 KEOGH accounts
20 Real estate
The possible answer fields are:
V 0 .Not applicable or no
V 1 .Yes
Imputation flag for household
The possible answers are:
V 0 .Not imputed
V 1 .Imputed

D ATSUM15 1 544
Household assets summary.
There are 20 fields, defined as follows:
1 ISS code 100 - savings accounts
2 ISS code 101 - money market accounts
3 ISS code 102 - certificates of deposit
4 ISS code 103 - now accounts
5 ISS code 104 - money market funds
6 ISS code 105 - U.S. government
 securities
7 ISS code 106 - municipal or corporate
 bonds
8 ISS code 107 - other interest earning
 assets
9 ISS code 110 - stocks or mutual fund
10 ISS code 120 - rental property
11 ISS code 130 - mortgages
12 ISS code 140 - royalties
13 ISS code 150 - other financial
 investments
14 Self-employed owns business
15 Sale of business or property
16 Checking accounts w/o interest
17 U. S. savings bond (E, EE)
18 IRA accounts
19 KEOGH accounts
20 Real estate
The possible answer fields are:
V 0 .Not applicable or no
V 1 .Yes
Imputation flag for household
The possible answers are:
V 0 .Not imputed
V 1 .Imputed

D ATSUM16 1 545
Household assets summary.
There are 20 fields, defined as follows:
1 ISS code 100 - savings accounts
2 ISS code 101 - money market accounts
3 ISS code 102 - certificates of deposit
4 ISS code 103 - now accounts
5 ISS code 104 - money market funds
6 ISS code 105 - U.S. government
 securities

DATA DICTIONARY

DATA SIZE BEGIN

7 ISS code 106 - municipal or corporate
bonds

8 ISS code 107 - other interest earning
assets

9 ISS code 110 - stocks or mutual fund

10 ISS code 120 - rental property

11 ISS code 130 - mortgages

12 ISS code 140 - royalties

13 ISS code 150 - other financial
investments

14 Self-employed owns business

15 Sale of business or property

16 Checking accounts w/o interest

17 U. S. savings bond (E, EE)

18 IRA accounts

19 KEOGH accounts

20 Real estate

The possible answer fields are:

V 0 .Not applicable or no

V 1 .Yes

Imputation flag for household

The possible answers are:

V 0 .Not imputed

V 1 .Imputed

D ATSUM17 1 546

Household assets summary.

There are 20 fields, defined as follows:

1 ISS code 100 - savings accounts

2 ISS code 101 - money market accounts

3 ISS code 102 - certificates of deposit

4 ISS code 103 - now accounts

5 ISS code 104 - money market funds

6 ISS code 105 - U.S. government
securities

7 ISS code 106 - municipal or corporate
bonds

8 ISS code 107 - other interest earning
assets

9 ISS code 110 - stocks or mutual fund

10 ISS code 120 - rental property

11 ISS code 130 - mortgages

12 ISS code 140 - royalties

13 ISS code 150 - other financial
investments

14 Self-employed owns business

15 Sale of business or property

16 Checking accounts w/o interest

17 U. S. savings bond (E, EE)

18 IRA accounts

19 KEOGH accounts

20 Real estate

The possible answer fields are:

V 0 .Not applicable or no

V 1 .Yes

Imputation flag for household

The possible answers are:

V 0 .Not imputed

V 1 .Imputed

D ATSUM18 1 547

Household assets summary.

There are 20 fields, defined as follows:

1 ISS code 100 - savings accounts

2 ISS code 101 - money market accounts

3 ISS code 102 - certificates of deposit

4 ISS code 103 - now accounts

5 ISS code 104 - money market funds

DATA SIZE BEGIN

6 ISS code 105 - U.S. government
securities

7 ISS code 106 - municipal or corporate
bonds

8 ISS code 107 - other interest earning
assets

9 ISS code 110 - stocks or mutual fund

10 ISS code 120 - rental property

11 ISS code 130 - mortgages

12 ISS code 140 - royalties

13 ISS code 150 - other financial
investments

14 Self-employed owns business

15 Sale of business or property

16 Checking accounts w/o interest

17 U. S. savings bond (E, EE)

18 IRA accounts

19 KEOGH accounts

20 Real estate

The possible answer fields are:

V 0 .Not applicable or no

V 1 .Yes

Imputation flag for household

The possible answers are:

V 0 .Not imputed

V 1 .Imputed

D ATSUM19 1 548

Household assets summary.

There are 20 fields, defined as follows:

1 ISS code 100 - savings accounts

2 ISS code 101 - money market accounts

3 ISS code 102 - certificates of deposit

4 ISS code 103 - now accounts

5 ISS code 104 - money market funds

6 ISS code 105 - U.S. government
securities

7 ISS code 106 - municipal or corporate
bonds

8 ISS code 107 - other interest earning
assets

9 ISS code 110 - stocks or mutual fund

10 ISS code 120 - rental property

11 ISS code 130 - mortgages

12 ISS code 140 - royalties

13 ISS code 150 - other financial
investments

14 Self-employed owns business

15 Sale of business or property

16 Checking accounts w/o interest

17 U. S. savings bond (E, EE)

18 IRA accounts

19 KEOGH accounts

20 Real estate

The possible answer fields are:

V 0 .Not applicable or no

V 1 .Yes

Imputation flag for household

The possible answers are:

V 0 .Not imputed

V 1 .Imputed

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DATA	SIZE	BEGIN	DATA	SIZE	BEGIN
D ATSUM20	1	549	D IMP8574	1	561
Household assets summary.			Topical modules imputation of 'TM8574'		
There are 20 fields, defined as follows:			D IMP8580	1	562
1 ISS code 100 - savings accounts			Topical modules imputation of 'TM8580'		
2 ISS code 101 - money market accounts			D IMP8582	1	563
3 ISS code 102 - certificates of deposit			Topical modules imputation of 'TM8582'		
4 ISS code 103 - now accounts			D IMP8584	1	564
5 ISS code 104 - money market funds			Topical modules imputation of 'TM8584'		
6 ISS code 105 - U.S. government securities			D IMP8586	1	565
7 ISS code 106 - municipal or corporate bonds			Topical modules imputation of 'TM8586'		
8 ISS code 107 - other interest earning assets			D IMP8587	1	566
9 ISS code 110 - stocks or mutual fund			Topical modules imputation of 'TM8587'		
10 ISS code 120 - rental property			D IMP8589	1	567
11 ISS code 130 - mortgages			Topical modules imputation of 'TM8589'		
12 ISS code 140 - royalties			D IMP8596	1	568
13 ISS code 150 - other financial investments			Topical modules imputation of 'TM8596'		
14 Self-employed owns business			D IMP8598	1	569
15 Sale of business or property			Topical modules imputation of 'TM8598'		
16 Checking accounts w/o interest			D IMP8610	1	570
17 U. S. savings bond (E, EE)			Topical modules imputation of 'TM8610'		
18 IRA accounts			D IMP8624	1	571
19 KEOGH accounts			Topical modules imputation of 'TM8624'		
20 Real estate			D IMP8630	1	572
The possible answer fields are:			Topical modules imputation of 'TM8630'		
V 0 .Not applicable or no			D IMP8638	1	573
V 1 .Yes			Topical modules imputation of 'TM8638'		
Imputation flag for household			D IMP8640	1	574
The possible answers are:			Topical modules imputation of 'TM8640'		
V 0 .Not imputed			D IMP8650	1	575
V 1 .Imputed			Topical modules imputation of 'TM8650'		
D IMP8538	1	550	D IMP8651	1	576
Topical modules imputation of 'TM8538'			Topical modules imputation of 'TM8651'		
D IMP8539	1	551	D IMP8652	1	577
Topical modules imputation of 'TM8539'			Topical modules imputation of 'TM8652'		
D IMP8540	1	552	D IMP8656	1	578
Topical modules imputation of 'TM8540'			Topical modules imputation of 'TM8656'		
D IMP8542	1	553	D IMP8657	1	579
Topical modules imputation of 'TM8542'			Topical modules imputation of 'TM8657'		
D IMP8564	1	554	D IMP8660	1	580
Topical modules imputation of 'TM8564'			Topical modules imputation of 'TM8660'		
D IMP8566	1	555	D IMP8666	1	581
Topical modules imputation of 'TM8566'			Topical modules imputation of 'TM8666'		
D IMP8568	1	556	D IMP8714	1	582
Topical modules imputation of 'TM8568'			Topical modules imputation of 'TM8714'		
D IMP8569	1	557	D IMP8716	1	583
Topical modules imputation of 'TM8569'			Topical modules imputation of 'TM8716'		
D IMP8570	1	558			
Topical modules imputation of 'TM8570'					
D IMP8571	1	559			
Topical modules imputation of 'TM8571'					
D IMP8572	1	560			
Topical modules imputation of 'TM8572'					

DATA DICTIONARY

DATA	SIZE	BEGIN
D IMP8730	1	584
Topical modules imputation of 'TM8730'		
D IMP8732	1	585
Topical modules imputation of 'TM8732'		
D IMP8734	1	586
Topical modules imputation of 'TM8734'		
D IMP8754	1	587
Topical modules imputation of 'TM8754'		
D IMP8756	1	588
Topical modules imputation of 'TM8756'		
D IMP8758	1	589
Topical modules imputation of 'TM8758'		
D IMP8760	1	590
Topical modules imputation of 'TM8760'		
D IMP8761	1	591
Topical modules imputation of 'TM8761'		
D IMP8762	1	592
Topical modules imputation of 'TM8762'		
D IMP70-78	1	593
Topical modules imputation of 'TM8770 through TM8778'		
D IMP8788	1	594
Topical modules imputation of 'TM8788'		
D IMP8790	1	595
Topical modules imputation of 'TM8790'		
D IMP8792	1	596
Topical modules imputation of 'TM8792'		
D IMP8794	1	597
Topical modules imputation of 'TM8794'		
D IMP8796	1	598
Topical modules imputation of 'TM8796'		
D IMP8798	1	599
Topical modules imputation of 'TM8798'		
D IMP40-42	1	600
Topical modules imputation of 'TM8540 through TM8542'		
D IMP8612	1	601
Topical modules imputation of 'TM8612'		
D IMP8644	1	602
Topical modules imputation of 'TM8644'		
D IMP8654	1	603
Topical modules imputation of 'TM8654'		
D IMP8658	1	604
Topical modules imputation of 'TM8658'		
D IMP8763	1	605
Topical modules imputation of 'TM8763'		

DATA	SIZE	BEGIN
D IMP8764	1	606
Topical modules imputation of 'TM8764'		
D IMP8765	1	607
Topical modules imputation of 'TM8765'		
D FILLHH	1	608
Filler		

* Self-employment Identification *		
* Number One *		

D TM8000	1	609
Was...self-employed in this business as of (last day of the reference period)		
V	0	.Not applicable
V	1	.Yes
V	2	.No - skip to SC2262
D TM8002	1	610
Check item s6.1		
Is SC2222(1) equal 1		
Is sole proprietorship		
V	0	.Not applicable
V	1	.Yes - skip to TM8006
V	2	.No
D TM8004	3	611
As of (last day of reference period)		
What percent of this business did... own		
V	000	.Not applicable
V	001 - 100	.Total percent
V	-1	.Don't know
V	-2	Refused
D TM8006	1	614
Check item s56.2		
Has the information in TM8008, TM8010, TM8012, and TM8014 already been obtained from another household member		
V	0	.Not applicable
V	1	.Yes - skip to SC2262
V	2	.No
D TM8008	9	615
As of (last day of reference period)		
What was the total value of this business before figuring in any debts that might be owed against it (TM8008 maybe combined with TM8024 for topcoding to 500000 for public use file)		
V	000000000	.Not applicable
V	000000001 -	
V	000750000	.Total amount - skip
V		.to TM8012
V	-3	.None - skip to TM8012

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```

DATA      SIZE  BEGIN
D TM8012   9    624
  As of (last day of reference period)
  What was the total debt owed against
  this business (TM8012 maybe combined
  with TM8028 for topcoding to 140000 for
  public use file)
V 000000000 .Not applicable
V 000000001 -
V 000240000 .Total amount - skip
V          .to SC2262
V          -3 .None - skip to SC2262

*****
* Self-Employment Identification *
* Number Two *
*****

D TM8016   1    633
  Was...self-employed in this business as
  of (last day of the reference period)
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to TM8200

D TM8018   1    634
  Check item s13
  Is SC2222(2) equal 1
  Is sole proprietorship
V          0 .Not applicable
V          1 .Yes - skip to TM8022
V          2 .No

D TM8020   3    635
  As of (last day of reference period)
  What percent of this business did... own
V          000 .Not applicable
V 001 - 100 .Total percent

D TM8022   1    638
  Check item s14
  Has the information in TM8024, TM8026,
  TM8028, and TM8030 already been obtained
  from another household member
V          0 .Not applicable
V          1 .Yes - skip to TM8200
V          2 .No

D TM8024   9    639
  As of (last day of reference period)
  What was the total value of this
  business before figuring in any debts
  that might be owed against it
V 000000000 .Not applicable
V 000000001 .Value combined with TM8008
V          .for public use file
V          -3 .None - skip to TM8028

D TM8028   9    648
  As of (last day of reference period)
  What is the total debt owed against this
  business
V 000000000 .Not applicable
V 000000001 .Value combined with TM8012 for
V          .public use file
V          -3 .None - skip to TM8200

```

```

DATA      SIZE  BEGIN
*****
* Imputation flag for self-employment *
* The possible answers are: *
*V          0 .Not imputed *
*V          1 .Imputed *
*****

D IMP8000   1    657
  Topical modules imputation of 'TM8000'

D IMP8004   1    658
  Topical modules imputation of 'TM8004'

D IMP8008   1    659
  Topical modules imputation of 'TM8008'

D IMP8012   1    660
  Topical modules imputation of 'TM8012'

D IMP8016   1    661
  Topical modules imputation of 'TM8016'

D IMP8020   1    662
  Topical modules imputation of 'TM8020'

D IMP8024   1    663
  Topical modules imputation of 'TM8024'

D IMP8028   1    664
  Topical modules imputation of 'TM8028'

*****
* Stocks and Mutual Fund Shares *
*****

D TM8032   1    665
  Check item a14
  Interview status of...'s spouse
V          0 .Not applicable
V          1 .No spouse in household
- skip to TM8044
V          2 .Interview for spouse not yet
V          .conducted
V          3 .Interview for spouse already
V          .conducted - skip to TM8042

D TM8034   9    666
  As of (last day of reference period)
  What was the market value of the stocks
  or mutual funds held jointly
  by...and...'s (husband/wife) (exclude
  stock in own corporation if value of
  that corporation was already obtained)
V 000000000 .Not applicable
V 000000001 -
V 999999999 .Total amount - skip
V          .to TM8038
V          -3 .None - skip to TM8042

D TM8038   1    675
  Was any debt or margin account held
  against these jointly held stocks or
  mutual funds as of... (last day of
  reference period)
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to TM8042

```

DATA DICTIONARY

```

DATA      SIZE  BEGIN
D TM8040   6    676
  As of(last day of reference period)
  What was the amount of the debt or
  margin account
V   000000 .Not applicable
V   000001 -
V   999999 .Total amount  TM8200

D TM8042   1    682
  Besides the stocks or mutual fund shares
  held jointly with...'s (husband/wife),
  did...hold any other stocks or mutual
  fund shares
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to next ISS code or
V   .TM8200

D TM8044   9    683
  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
V  000000000 .Not applicable
V  000000001 -
V  999999999 .Total amount - skip
V  .to TM8048 TM8200

D TM8048   1    692
  Was any debt or margin account held
  against...'s stocks or mutual funds as
  of (last day of reference period)
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to next ISS code or
V   .TM8200

D TM8050   6    693
  As of (last day of reference period)
  What was the amount of the debt or
  margin account
V   000000 .Not applicable
V   000001 -
V   999999 .Total amount - skip
V   .to next ISS code or TM8200

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

D TM8052   2    699
  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).)
V   00 .Not applicable
V   01 .Yes
V   02 .No - skip to SC4610

```

```

DATA      SIZE  BEGIN
D TM8054   2    701
  How many properties did...own jointly
  with...'s (husband/wife) as of (last day
  of reference period)
V   00 .Not applicable
V   01 - 99 .Number properties TM8200
V   -3 .None - skip to SC4610

*****
* The next 6 fields (TM8056 through
* TM8066) are possible answers to the
* question:
* What type of property(ies) (was it/were
* they) in each case the range of answers
* is:
*V   0 .Not marked as a kind of
*V   .property or not applicable
*V   .based on response to TM8054
*V   1 .Marked as a kind of property
*****

D TM8056   1    703
  Vacation home

D TM8058   1    704
  Other residential property

D TM8060   1    705
  Farm property

D TM8062   1    706
  Commercial property

D TM8064   1    707
  Equipment

D TM8066   1    708
  Other

D TM8067   1    709
  Were any of these properties attached to
  or located on the same land as ...'s own
  residence?
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   9    710
  As of (last day of reference period)
  What was the total market value of the
  property(ies)
V  000000000 .Not applicable
V  000000001 -
V  000750000 .Total amount - skip to
V  .TM8072 TM8200

D TM8072   2    719
  Was there a mortgage, deed of trust, or
  other debt on the property(ies)
V   00 .Not applicable
V   01 .Yes
V   02 .No - skip to SC4610

```


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```

DATA      SIZE  BEGIN
D TM8074      9   721
    As of(last day of reference period)
    How much principal was owed on the
    property(ies)
V 000000000 .Not applicable
V 000000001 -
V 000340000 .Total amount
V          -3 .None

D TM8076      2   730
    As of(last day of reference period)
    Did...own any rental property in...'s
    own name
V          00 .Not applicable
V          01 .Yes
V          02 .No -skip to SC4618

D TM8078      2   732
    How many properties did... own in...'s
    own name
V          00 .Not applicable
V          01 - 99 .Number of properties
V          -3 .None - skip to SC4618

*****
*   The next 6 fields (TM8080 through   *
*   TM8090) are possible answers to the *
*   question:                           *
*   What type of property(ies) (was it/were *
*   they) in each case the range of answers *
*   is:                                   *
*V          0 .Not marked as a kind of   *
*V          .property or not applicable  *
*V          .based on response to TM8078 *
*V          1 .Marked as a kind of property *
*****

D TM8080      1   734
    Vacation home

D TM8082      1   735
    Other residential property

D TM8084      1   736
    Farm property

D TM8086      1   737
    Commercial property

D TM8088      1   738
    Equipment

D TM8090      1   739
    Other

D TM8091      1   740
    Were any of these properties attached to
    or located on the same land as ...'s own
    residence?
V          0 .Not applicable
V          1 .Yes - all rental properties on
V          .residence - skip to SC4618
V          2 .Yes - some rental properties
V          .on residence
V          3 .No
    
```

```

DATA      SIZE  BEGIN
D TM8092      9   741
    As of(last day of reference period)
    What was the total market value of the
    property(ies)
V 000000000 .Not applicable
V 000000001 -
V 000700000 .Total amount - skip
V          .to TM8096 TM8200

D TM8096      2   750
    Was there a mortgage, deed of trust, or
    other debt on the property(ies)
V          00 .Not applicable
V          01 .Yes
V          02 .No - skip to SC4618

D TM8098      9   752
    As of(last day of reference period)
    How much principal was owed on the
    property(ies)
V
V 000000000 .Not applicable
V 000000001 -
V 000230000 .Total amount
V          -3 .None

D TM8100      2   761
    Did...own any rental property jointly
    with others (as of last day of reference
    period) not including property owned
    entirely by...and...'s spouse
V          00 .Not applicable
V          01 .Yes
V          02 .No -skip to next ISS code or
V          .TM8200

D TM8102      2   763
    How many properties did...own jointly
    with others (as of last day of reference
    period)
V          00 .Not applicable
V          01 - 99 .Number of properties
V          -3 .None - skip to next ISS code
V          .or TM8200

*****
*   The next 6 fields (TM8104 through   *
*   TM8114) are possible answers to the *
*   question:                           *
*   What type of property(ies) (was it/were *
*   they) in each case the range of answers *
*   is:                                   *
*V          0 .Not marked as a kind of   *
*V          .property or not applicable  *
*V          .based on response to TM8102 *
*V          1 .Marked as a kind of property *
*****

D TM8104      1   765
    Vacation home

D TM8106      1   766
    Other residential property

D TM8108      1   767
    Farm property
    
```

DATA DICTIONARY

```

DATA      SIZE  BEGIN
D TM8110   1    768
    Commercial property
D TM8112   1    769
    Equipment
D TM8114   1    770
    Other
D TM8116   9    771
    As of(last day of reference period)
    What was the total market value of the
    property(ies)
V 000000000 .Not applicable
V 000000001 -
V 000900000 .Total amount
D TM8118   2    780
    Was there a mortgage, deed of trust, or
    other debt on the property(ies)
V      00 .Not applicable
V      01 .Yes
V      02 .No - skip to TM8122
D TM8120   9    782
    (as of last day of reference period)
    How much principal was owed on the
    property(ies)
V 000000000 .Not applicable
V 000000001 -
V 000420000 .Total amount
V      -3 .None
D TM8122   9    791
    (as of the last day of reference period)
    What was the total value of...'s share
    of equity in the property(ies) (by
    equity we mean the total market value
    less any debts held against it.)
V 000000000 .Not applicable
V 000000001 -
V 000250000 .Total amount - skip
V      .to next ISS code or TM8200

*****
*   Mortgages, Royalties, and           *
*   Other Financial Investments         *
*****

D TM8126   9    800
    (as of last day of reference period)
    How much principal was owed to...
    and...'s(husband/wife) on this (these)
    mortgage(s)
V 000000000 .Not applicable
V 000000001 -
V 999999999 .Total amount
V      -3 .None
D TM8128   9    809
    As of(last day of reference period)
    How much principal was owed to...on this
    (these) mortgage(s)
V 000000000 .Not applicable
V 000000001 -
V 000999999 .Total amount
V      -3 .None

```

```

DATA      SIZE  BEGIN
D TM8130   1    818
    Check item a20
    Is ISS code 150 marked in check item a17
V      0 .Not applicable
V      1 .Yes
V      2 .No - skip to TM8200
D TM8132   9    819
    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.)
V 000000000 .Not applicable
V 000000001 -
V 999999999 .Total amount - skip
V      .to TM8200
V      -3 .None - skip to TM8200

*****
*   Imputation flag for g2-type record   *
*   The possible answers are:           *
*V      0 .Not imputed                   *
*v      1 .Imputed                       *
*****

D IMP8034   1    828
    Topical modules imputation of 'TM8034'
D IMP8036   1    829
    Topical modules imputation of 'TM8036'
D IMP8038   1    830
    Topical modules imputation of 'TM8038'
D IMP8040   1    831
    Topical modules imputation of 'TM8040'
D IMP8042   1    832
    Topical modules imputation of 'TM8042'
D IMP8044   1    833
    Topical modules imputation of 'TM8044'
D IMP8046   1    834
    Topical modules imputation of 'TM8046'
D IMP8048   1    835
    Topical modules imputation of 'TM8048'
D IMP8050   1    836
    Topical modules imputation of 'TM8050'
D IMP8052   1    837
    Topical modules imputation of 'TM8052'
D IMP8054   1    838
    Topical modules imputation of 'TM8054'
D IMP56-66  1    839
    Topical modules imputation of 'TM8056,
    TM8058, TM8060, TM8062, TM8064, TM8066'
D IMP8067   1    840
    Topical modules imputation of 'TM8067'
D IMP8068   1    841
    Topical modules imputation of 'TM8068'

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DATA      SIZE  BEGIN
D IMP8072   1    842
    Topical modules imputation of 'TM8072'
D IMP8074   1    843
    Topical modules imputation of 'TM8074'
D IMP8076   1    844
    Topical modules imputation of 'TM8076'
D IMP8078   1    845
    Topical modules imputation of 'TM8078'
D IMP80-90  1    846
    Topical modules imputation of 'TM8080,
    TM8082, TM8084, TM8086, TM8088, TM8090'
D IMP8091   1    847
    Topical modules imputation of 'TM8091'
D IMP8092   1    848
    Topical modules imputation of 'TM8092'
D IMP8096   1    849
    Topical modules imputation of 'TM8096'
D IMP8098   1    850
    Topical modules imputation of 'TM8098'
D IMP8100   1    851
    Topical modules imputation of 'TM8100'
D IMP8102   1    852
    Topical modules imputation of 'TM8102'
D IMP04-14  1    853
    Topical modules imputation of 'TM8104,
    TM8106, TM8108, TM8110, TM8112, TM8114'
D IMP8116   1    854
    Topical modules imputation of 'TM8116'
D IMP8118   1    855
    Topical modules imputation of 'TM8118'
D IMP8120   1    856
    Topical modules imputation of 'TM8120'
D IMP8122   1    857
    Topical modules imputation of 'TM8122'
D IMP8126   1    858
    Topical modules imputation of 'TM8126'
D IMP8128   1    859
    Topical modules imputation of 'TM8128'
D IMP8132   1    860
    Topical modules imputation of 'TM8132'
D TM4314    8    861
    SC4314 from the core file
D TM4322    8    869
    SC4322 from the core file
D TM4414    8    877
    SC4414 from the core file

```

```

DATA      SIZE  BEGIN
D TM4422    8    885
    SC4422 from the core file

*****
*   Assets and Liabilities   *
*****

D TM8200    2    893
    As of (last day of reference period)
    Did anyone outside of this household owe
    money to...as the result of the sale of
    a business or property (exclude
    mortgages owed to...which have already
    been reported.)
V          00 .Not applicable
V          01 .Yes
V          02 .No - skip to TM8204

D TM8202    9    895
    How much was owed to... (if shared,
    count only...'s share)
V 000000000 .Not in universe
V 000000001 -
V 999999999 .Total amount

D TM8204    1    904
    Did...own any U.S. savings bonds as of
    (last day of reference period)
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to TM8208

D TM8206    6    905
    What was the face value of the U.S.
    savings bonds that...owned (if ownership
    was shared, count only...'s share)
V          000000 .Not applicable
V          000025 -
V          015000 .Total amount

D TM8208    1    911
    Check item t1
    Interview status of...'s spouse
V          0 .Not applicable
V          1 .No spouse in household - skip
V          .to TM8232
V          2 .Interview for spouse not yet
V          .conducted
V          3 .Interview for spouse already
V          .conducted - skip to TM8232

D TM8209    2    912
    As of (last day of reference period)
    Did...own jointly with...'s (husband/
    wife) any checking accounts which do
    not earn interest
V          00 .Not applicable
V          01 .Yes
V          02 .No - skip to TM8212

```

DATA DICTIONARY

DATA	SIZE	BEGIN
D TM8210	6	914
	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)	
V	000000	.Not applicable
V	000001	-
V	005000	.Total amount
V	-3	.None
D TM8212	2	920
	As of (last day of reference period) Did...and...'s (husband/wife) together owe any money for store bills or credit card bills	
V	00	.Not applicable
V	01	.Yes
V	02	.No
D TM8214	6	922
	How much was owed on store bills or credit card bills	
V	000000	.Not applicable
V	000001	-
V	999999	.Total amount
D TM8216	2	928
	Did...and...'s (husband/wife) together owe any money for loans obtained through a bank or credit union, other than car loans or home equity loans	
V	00	.Not applicable
V	01	.Yes
V	02	.No
D TM8218	6	930
	How much was owed as of (last day of reference period) for bank or credit union loans	
V	000000	.Not applicable
V	000001	-
V	999999	.Total amount
D TM8220	2	936
	Did...and...'s (husband/wife) together owe any money for any other debt we have not mentioned(include medical bills not covered by insurance, money owed to private individuals, and any other debt not covered)	
V	00	.Not applicable
V	01	.Yes
V	02	.No
D TM8222	6	938
	How much was owed on any other debt not yet mentioned as of (last day of reference period)	
V	000000	.Not applicable
V	000001	-
V	999999	.Total amount

DATA	SIZE	BEGIN
D TM8232	2	944
	(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	
V	00	.Not applicable
V	01	.Yes
V	02	.No - skip to TM8234
D TM8233	6	946
	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)	
V	000000	.Not applicable
V	000001	-
V	004000	.Total amount
V	-3	.None
D TM8234	2	952
	Did...have any debts, such as credit card bills, loans from a financial institution, or educational loans, in...'s own name	
V	00	.Not applicable
V	01	.Yes
V	02	.No - skip to TM8258
D TM8236	2	954
	As of (last day of reference period) Did...owe any money (in...'s own name only) for store bills or credit card bills	
V	00	.Not applicable
V	01	.Yes
V	02	.No
D TM8238	6	956
	How much was owed on store bills or credit card bills	
V	000000	.Not applicable
V	000001	-
V	999999	.Total amount
D TM8240	2	962
	As of (last day of reference period) Did...owe any money (in...'s own name) for loans obtained through a bank or credit union, other than car loans or home equity loans	
V	00	.Not applicable
V	01	.Yes
V	02	.No
D TM8242	6	964
	How much was owed as of (last day of reference period) for loans obtained through a bank or credit union, other than car loans or home equity loans	
V	000000	.Not applicable
V	000001	-
V	999999	.Total amount

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DATA      SIZE  BEGIN
D TM8244   2    970
  As of (last day of reference period),
  did... owe any money (in...'s own name)
  for any other debt not yet mentioned
  (include medical bills not covered by
  insurance, money owed to private
  individuals, and any other debt not
  covered)
V         00 .Not applicable
V         01 .Yes
V         02 .No

D TM8246   6    972
  How much was owed on other debts
V    000000 .Not applicable
V    000001 -
V    999999 .Total amount

D TM8258   1    978
  Check item t2
  Is...21 years of age or older
V         0 .Not applicable
V         1 .Yes
V         2 .No - skip to TM8308

D TM8260   2    979
  Does...have an individual retirement
  account - an IRA - in...'s own name
V         00 .Not applicable
V         01 .Yes
V         02 .No - skip to TM8284

D TM8262   2    981
  For how many years has...contributed
  to...'s IRA accounts
V         00 .Not applicable
V         01 - 99 .Number of years

D TM8264   6    983
  As of (last day of reference period),
  what is the total balance or market
  value (including interest earned)
  of...'s IRA accounts
V    000000 .Not applicable
V    000001 -
V    120000 .Total amount - skip
V           .to TM8268

*****
*   The next 8 fields (TM8268 through *
*   TM8282) are possible answers to the *
*   question: *
*   Which kinds of assets did...hold *
*   in ...'s IRA accounts anything else in *
*   each case the range of answers is: *
*V          0 .Not marked as a kind of IRA *
*V          .account or not applicable *
*V          .based on response to TM8264 *
*V          1 .Marked as a kind of IRA account*
*****

D TM8268   1    989
  Certificates of deposit or other saving
  certificates

D TM8270   1    990
  Money market funds
  
```

```

DATA      SIZE  BEGIN
D TM8272   1    991
  U.S. government securities

D TM8274   1    992
  Municipal or corporate bonds

D TM8276   1    993
  U.S. savings bonds

D TM8278   1    994
  Stocks or mutual fund shares

D TM8280   1    995
  Other assets

D TM8282   1    996
  Dk

D TM8284   2    997
  Does...have a KEOGH account in...'s own
  name
V         00 .Not applicable
V         01 .Yes
V         02 .No - skip to TM8308

D TM8286   2    999
  For how many years has...contributed
  to...'s KEOGH account
V         00 .Not applicable
V         01 - 22 .Number of years

D TM8288   6    1001
  As of (last day of reference period)
  What was the total balance or market
  value of assets in...'s KEOGH account(s)
V    000000 .Not applicable
V    000001 -
V    339000 .Total amount -
V           .skip to TM8292

*****
*   The next 8 fields (TM8292 through *
*   TM8306) are possible answers to the *
*   question: *
*   Which kind of assets did...hold in ...'s*
*   KEOGH account(s) anything else in each *
*   case the range of answers is: *
*V          0 .Not marked as a kind of KEOGH *
*V          .account or not applicable based*
*V          .on response to TM8288 *
*V          1 .Marked as a kind of KEOGH *
*V          .account *
*****

D TM8292   1    1007
  Certificates of deposit or other savings
  certificates

D TM8294   1    1008
  Money market funds

D TM8296   1    1009
  U.S. government securities

D TM8298   1    1010
  Municipal or corporate bonds
  
```

DATA DICTIONARY

DATA	SIZE	BEGIN	DATA	SIZE	BEGIN
D TM8300	1	1011	D IMP8202	1	1037
U.S. savings bonds			Topical modules imputation of 'TM8202'		
D TM8302	1	1012	D IMP8204	1	1038
Stocks or mutual fund shares			Topical modules imputation of 'TM8204'		
D TM8304	1	1013	D IMP8206	1	1039
Other assets			Topical modules imputation of 'TM8206'		
D TM8306	1	1014	D IMP8209	1	1040
Dk			Topical modules imputation of 'TM8209'		
D TM8308	2	1015	D IMP8210	1	1041
Does...have any life insurance (include			Topical modules imputation of 'TM8210'		
group policies provided by employers)			D IMP8212	1	1042
V 00 .Not applicable			Topical modules imputation of 'TM8212'		
V 01 .Yes			D IMP8214	1	1043
V 02 .No - skip to TM8400			Topical modules imputation of 'TM8214'		
D TM8309	9	1017	D IMP8216	1	1044
What is the face value of all life			Topical modules imputation of 'TM8216'		
insurance policies that...has			D IMP8218	1	1045
V 000000000 .Not applicable			Topical modules imputation of 'TM8218'		
V 000000001 -			D IMP8220	1	1046
V 000380000 .Total amount			Topical modules imputation of 'TM8220'		
D TM8312	2	1026	D IMP8222	1	1047
What type of life insurance does ...			Topical modules imputation of 'TM8222'		
have			D IMP8232	1	1048
V 00 .Not applicable			Topical modules imputation of 'TM8232'		
V 01 .Term only			D IMP8233	1	1049
V 02 .Whole life only			Topical modules imputation of 'TM8233'		
V 03 .Both types			D IMP8234	1	1050
D TM8314	1	1028	Topical modules imputation of 'TM8234'		
Is "worked" marked on the ISS			D IMP8236	1	1051
V 0 .Not applicable			Topical modules imputation of 'TM8236'		
V 1 .Yes			D IMP8238	1	1052
V 2 .No - skip to TM8400			Topical modules imputation of 'TM8238'		
D TM8316	1	1029	D IMP8240	1	1053
Are any of...'s life insurance policies			Topical modules imputation of 'TM8240'		
provided through...'s current			D IMP8242	1	1054
employer(s)			Topical modules imputation of 'TM8242'		
V 0 .Not applicable			D IMP8244	1	1055
V 1 .Yes			Topical modules imputation of 'TM8244'		
V 2 .No - skip to TM8400			D IMP8246	1	1056
D TM8318	6	1030	Topical modules imputation of 'TM8246'		
What is the face value of the life			D IMP8260	1	1057
insurance policies provided through			Topical modules imputation of 'TM8260'		
...'s employer(s)			D IMP8262	1	1058
V 000000 .Not applicable			Topical modules imputation of 'TM8262'		
V 000001 -			D IMP8264	1	1059
V 300000 .Face value of life insurance			Topical modules imputation of 'TM8264'		
V .policies provided through...'s					
V .employer(s)					

* Imputation Flag for Topical Modules *					
* Assets & Liabilities Record *					
* The possible answers are: *					
*V 0 .Not imputed *					
*V 1 .Imputed *					

D IMP8200	1	1036			
Topical modules imputation of 'TM8200'					

1993 WAVE 7 TOPICAL MODULE FILE

```

DATA      SIZE  BEGIN
D IMP68-80   1   1060
    Topical modules imputation of 'TM8268,
    TM8270, TM8272, TM8274, TM8276, TM8278,
    TM8280'
D IMP8284    1   1061
    Topical modules imputation of 'TM8284'
D IMP8286    1   1062
    Topical modules imputation of 'TM8286'
D IMP8288    1   1063
    Topical modules imputation of 'TM8288'
D IMP92-04   1   1064
    Topical modules imputation of 'TM8292,
    TM8294, TM8296, TM8298, TM8300, TM8302,
    TM8304'
D IMP8308    1   1065
    Topical modules imputation of 'TM8308'
D IMP8309    1   1066
    Topical modules imputation of 'TM8309'
D IMP8312    1   1067
    Topical modules imputation of 'TM8312'
D IMP8316    1   1068
    Topical modules imputation of 'TM8316'
D IMP8318    1   1069
    Topical modules imputation of 'TM8318'
D FILLAL    3   1070
    Filler

*****
*   Part B - Medical Expenses and   *
*   Work Disability                 *
*****
D TM8400     2   1073
    During (last month) did ... pay any
    doctor bills?
V           00 .Not applicable
V           01 .Yes
V           02 .No
D TM8402     2   1075
    During (last month) did ... pay any
    dentist bills?
V           00 .Not applicable
V           01 .Yes
V           02 .No
D TM8404     2   1077
    During (last month) did ... pay any
    hospital bills?
V           -1 .Don't know
V           00 .Not applicable
V           01 .Yes
V           02 .No

```

```

DATA      SIZE  BEGIN
D TM8406     2   1079
    During (last month) did ... pay any
    expenses for prescription medicine?
V           0 .Not applicable
V           1 .Yes
V           2 .No
D TM8408     1   1081
    Check item t4
    Is one or more 'yes ' box marked in
    item 1?
V           0 .Not applicable
V           1 .Yes
V           2 .No - skip to TM8412
D TM8410     6   1082
    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 (last month)?
V           000000 .Not applicable
V           000001 -
V           000850 .Amount paid
D TM8412     1   1088
    Check item t5
    What is ...'s age?
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
V           .TM8526
D TM8413     1   1089
    Check item t6
    What is marked in item 18a?
V           0 .Not applicable
V           1 .Item 18a is blank
V           2 ."yes" in item 18a - skip to
V           .TM8418
V           3 ."no" in item 18a - skip to
V           .check item t9 or skip to TM8526
D TM8416     1   1090
    Is "disabled" (code 171) marked on the
    Control Card for ... ?
V           0 .Not applicable
V           1 .Yes
V           2 .No - skip to TM8420
D TM8418     1   1091
    We have recorded that ...'s health or
    condition limits the kind or amount of
    work ... can do. Is that correct?
V           0 .Not applicable
V           1 .Yes - skip to TM8422
V           2 .No - skip to TM8526
D TM8420     1   1092
    Does ... have a physical, mental, or
    other health condition which limits the
    kind or amount of work ... can do?
V           0 .Not applicable
V           1 .Yes - mark "171" on ISS
V           2 .No - skip to TM8526

```

DATA DICTIONARY

```

DATA      SIZE  BEGIN
D TM8422   1    1093
    Check item t7
    Is "worked" (code 170) marked on the
    ISS?
V          0 .Not applicable
V          1 .Yes - skip to TM8526
V          2 .No

D TM8424   1    1094
    Does ...'s health or condition prevent
    ... from working at a job or business?
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to TM8526

D TM8426   1    1095
    Has ... been prevented from working for
    the past 12 months or longer?
V          0 .Not applicable
V          1 .Yes - skip to TM8526
V          2 .No

D TM8428   2    1096
    Is it likely that ... will be able to
    work at some time in the next 12 months?
V          00 .Not applicable
V          01 .Yes
V          02 .No

*****
*   Imputation Flags for Topical Module B - *
*   Medical Expenses and Work Disability   *
*   The possible answers are:              *
*V          0 .Not imputed                 *
*V          1 .Imputed                     *
*****

D IMP8400   1    1098
    Topical modules imputation flag for
    'TM8400'

```

```

DATA      SIZE  BEGIN
D IMP8402   1    1099
    Topical modules imputation flag for
    'TM8402'

D IMP8404   1    1100
    Topical modules imputation flag for
    'TM8404'

D IMP8406   1    1101
    Topical modules imputation flag for
    'TM8406'

D IMP8410   1    1102
    Topical modules imputation flag for
    'TM8410'

D IMP8418   1    1103
    Topical modules imputation flag for
    'TM8418'

D IMP8420   1    1104
    Topical modules imputation flag for
    'TM8420'

D IMP8424   1    1105
    Topical modules imputation flag for
    'TM8424'

D IMP8426   1    1106
    Topical modules imputation flag for
    'TM8426'

D IMP8428   1    1107
    Topical modules imputation flag for
    'TM8428'

D FILLMED   1    1108
    Filler

```


SOURCE AND ACCURACY STATEMENT

for the 1993 Public Use Files from the Survey of Income and Program Participation (SIPP)

SOURCE OF DATA

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. Not eligible to be in the survey are crew members of merchant vessels, Armed Forces personnel living in military barracks, and institutionalized persons, such as correctional facility inmates and nursing home residents. Also, not eligible are United States citizens residing abroad. Foreign visitors who work or attend school in this country and their families are eligible; all others are not eligible. With the exceptions noted above, field representatives interview eligible persons who are at least 15 years of age at the time of the interview.

The 1993 panel of the SIPP sample is located in 284 Primary Sampling Units (PSUs) each consisting of a county or a group of contiguous counties. Within these PSUs, we systematically selected expected clusters of two living quarters (LQs) 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 we selected a sample containing clusters of four LQs from permits issued for construction of residential LQs up until shortly before the beginning of the panel.

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

Approximately 27,300 living quarters were originally designated for the 1993 panel. For Wave 1 of the panel, we obtained interviews from occupants of about 19,900 of the 27,300 designated living quarters. We found most of the remaining 7,400 living quarters in the panel to be vacant, demolished, converted to nonresidential use, or otherwise ineligible for the survey. However, we did not interview approximately 2,000 of the 7,400 living quarters in the panel because the occupants refused to be interviewed, could not be found at home, were temporarily absent, or were otherwise unavailable. Thus, occupants of about 91 percent of all eligible living quarters participated in the first interview of the panel.

For subsequent interviews, only original sample persons (those in Wave 1 sample households and interviewed in Wave 1) and persons living with them are eligible to be interviewed. We followed original sample persons if they moved to a new address, unless the new address was more than 100 miles from a SIPP sample area, we attempted telephone interviews. When original sample persons moved to remote parts of the country and were unreachable by

telephone, moved without leaving a forwarding address, or refused the interview, additional noninterviews resulted.

The Bureau divides sample households within a given panel into four subsamples of nearly equal size. We call these subsamples rotation groups 1, 2, 3, or 4 and interview one rotation group each month. Beginning in February 1993, we schedule interviews for each household in the sample at 4 month intervals over a period of roughly 2½ years. The reference period for the questions is the 4-month period preceding the interview month. A wave is one cycle of four interviews covering the entire sample, using the same questionnaire.

A unique feature of the SIPP design is overlapping panels. The overlapping design allows combining of panels and essentially doubles the sample size. It is possible to combine selected interviews for the 1993 panels with interviews from the 1992 panels. We include information necessary to do this later in this statement.

The public use files include core and supplemental (topical module) data. Field representatives repeat core questions at each interview over the life of the panel. Topical modules include questions which are asked only in certain waves. The 1993 and 1992 panel topical modules are shown 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 1993 and 1992 panels respectively. For example, Wave 1 rotation group 2 of the 1993 panel was interviewed in February 1993 and data for the reference months October 1992 through January 1993 were collected.

Estimation. We derived SIPP person weights in each panel from several stages of weight adjustments. In the first wave, we gave each person a base weight equal to the inverse of his/her probability of selection. For each subsequent interview, the Bureau gave each person a base weight that accounted for following movers.

We applied a factor to each interviewed person's weight to account for the SIPP sample areas not having the same population distribution as the strata they are from.

We applied a noninterview adjustment factor to the weight of every occupant of interviewed households to account for persons in noninterviewed occupied households which were eligible for the sample. (The Bureau treated individual nonresponse within partially interviewed households with imputation. We made no special adjustment for noninterviews in group quarters.)

The Bureau 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).

We performed an additional stage of adjustment to persons' weights to reduce the mean square errors of the survey estimates. We accomplished this 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 at the national level by demographic characteristics including age, sex, and race as of the specified date. The Bureau brought CPS estimates by age, sex, and race into agreement with adjusted estimates from the 1990 decennial census. Adjustments to the 1990 decennial census estimates include an adjustment for undercount¹ and also reflect births, deaths, immigration, emigration, and changes in the Armed Forces since 1990. The 1991 panel wave 6 is the first panel and wave to use the 1990 census based controls in the weighting. Weights for earlier waves were based on independent population estimates derived by updating the 1980 decennial census counts. For information about the effect of the new population controls on various person and household characteristics, refer to tables 5 through 10 from the January 10, 1994 memorandum for Turner from Waite, titled "SIPP 91: Source and Accuracy Statement for 1991 Wave 6+ Panel Public Use Files." In addition, we controlled SIPP estimates to independent Hispanic controls and made an adjustment to assign equal weights to husbands and wives within the same household. We implemented all of the above adjustments 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. Average reference month estimates 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 1993. 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. Use this weight 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 1992 data is only available from rotations 2, 3, and 4 for Wave 1 of the 1993 panel (see table 3), so apply a factor of 4/3. To form an estimate for an interview month, use the procedure discussed above using the interview month weight provided on the file.

¹ See "The 1990 Post-Enumeration Survey: Operations and Results" by Howard Hogan in the 1993 Proceedings of the Undercount in the 1990 Census Section, American Statistical Association.

Apply factors greater than 1 when constructing estimates for months with four rotations worth of data from a wave file. However, when using core data from consecutive waves 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 1992).

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 18 states, we identify metropolitan or non-metropolitan residence (variable H*-METRO). In 28 additional states, where the non-metropolitan population in the sample was small enough to present a disclosure risk, we recoded a fraction of the metropolitan sample 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 1.0321 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 we don't identify a metropolitan subsample within one state (West Virginia). Thus, use factors in the right-hand column of table 11 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 18 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 1993 and 1992 panels provide data for October 1992-April 1995. Thus, obtain estimates for these time periods by combining the corresponding panels. However, since the Wave 1 questionnaire differs from the subsequent waves' questionnaire and since the procedures changed between the 1992 and 1993 panels, we recommend that estimates not be obtained by combining Wave 1 data of the 1993 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.

Obtain combined panel estimates 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

Combine corresponding estimates from two consecutive year panels to create joint estimates by using the formula

$$\hat{J} = w\hat{J}_1 + (1-w)\hat{J}_2 \quad (A)$$

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

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

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

w = weighting factor of the earlier panel.

To combine the 1992 and 1993 panels use a w value of 0.517 unless one of the panels contributes no information to the estimate. In that case, assign the panel contributing information a factor of 1. Assign the other 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. Then produce estimates 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, 1992 panel show there were 441,000 households with monthly May income above \$6,000. Also, suppose SIPP estimates for Wave 2, 1993 panel show there were 435,000 households with monthly May income above \$6,000. Using formula (A), the joint level estimate is

$$\hat{J} = (0.517)(441,000) + (0.483)(435,000) = 438,000$$

ACCURACY OF ESTIMATES

We base SIPP estimates on a sample. The sample estimates may differ somewhat from the values obtained from administering a complete census using the same questionnaire, instructions, and enumerators. The difference occurs because with an estimate based on a sample survey two types of errors are possible: nonsampling and sampling. We can provide estimates of the magnitude of the SIPP sampling error, but this is not true of nonsampling error. The next few sections describe SIPP nonsampling error sources, followed by a discussion of sampling error, its estimation, and its use in data analysis.

Nonsampling Variability. We attribute nonsampling errors to many sources, they include:

- 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 collection (e.g. recording or coding the data),
- errors made in processing the data,
- errors made in estimating values for missing data,
- biases resulting from the differing recall periods caused by the interviewing pattern used,
- undercoverage.

We used quality control and edit procedures to reduce errors made by respondents, coders and interviewers. More detailed discussions of the existence and control of nonsampling errors in the SIPP are in the SIPP Quality Profile.

Undercoverage in SIPP resulted 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 when 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.

A common measure of survey coverage is the coverage ratio, the estimated population before ratio adjustment divided by the independent population control. Table 6 shows CPS coverage ratios for age-sex-race groups for 1992. The CPS coverage ratios can exhibit some variability from month to month, but these are a typical set of coverage ratios. Other Census Bureau household surveys like the SIPP experience similar coverage.

Comparability with Other Estimates. Exercise caution when comparing data from this report with data from other SIPP publications or with data from other surveys. Comparability problems are from varying seasonal patterns for many characteristics, different nonsampling errors, and different concepts and procedures. Refer to the [SIPP Quality Profile](#) 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 mostly measure the variations that occurred by chance because we surveyed a sample rather than the entire population.

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 we selected all possible samples and surveyed each of these under essentially the same conditions and with the same sample design, and if we calculated an estimate and its standard error 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 1.645 standard errors below the estimate to 1.645 standard errors above the estimate would include the average result of all possible samples.
3. Approximately 95 percent of the intervals from 1.960 standard errors below the estimate to 1.960 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 confidence interval includes the average estimate derived from all possible samples.

Hypothesis Testing. One may also use standard errors for hypothesis testing. Hypothesis testing is a procedure for distinguishing between population characteristics using sample estimates. The most common type of hypothesis tested is 1) the population characteristics are identical versus 2) they are different. One can perform tests 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.

Unless noted otherwise, all statements of comparison in the report passed a hypothesis test at the 0.10 level of significance or better. This means that, for differences cited in the report, the estimated absolute difference between parameters is greater than 1.645 times the standard error of the difference.

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 -1.645 times s_{DIFF} and $+1.645$ 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 -1.645 times s_{DIFF} or larger than $+1.645$ 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 we perform more tests, more erroneous significant differences will occur. For example, at the 10 percent significance level, if we perform 100 independent hypothesis tests in which there are no real differences, it is likely that about 10 erroneous differences will occur. Therefore, interpret the significance of any single test cautiously.

Note Concerning Small Estimates and Small Differences. We show summary measures in the report only when the base is 200,000 or greater. 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. Also, nonsampling error in one or more of the small number of cases providing the estimate can cause large relative error in that particular estimate. We show estimated numbers, however, even though the relative standard errors of these numbers are larger than those for the corresponding percentages. We provide smaller estimates primarily to permit such combinations of the categories as serve each user's needs. Therefore, be careful 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 we sampled clusters of living quarters for the SIPP. To derive standard errors at a moderate cost and applicable to a wide variety of estimates, we made a number of approximations. We grouped estimates with similar standard error behavior and developed two parameters (denoted "a" and "b") 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 we 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. Use base "a" and "b" parameters found in table 7 for 1993 panel estimates. Note that for estimates which include data for wave 5 and beyond multiply the "a" and "b" parameters by 1.09 to account for sample attrition.

The factors provided in table 8 when multiplied by the base parameters of table 7 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 -0.0000702 and 6,715, respectively. For Wave 1 the factor for October 1992 is 4 since only 1 rotation month of data is available. So, the "a" and "b" parameters for total household income in October 1992 based on Wave 1 are -0.0002808 and 26,860, respectively. Also for Wave 1, the factor for the first quarter of 1993 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 1993 are -0.0000857 and 8,207, respectively for Wave 1.

Use the "a" and "b" parameters 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. The following sections give methods for using these parameter for computation of approximate standard errors.

For users who wish further simplification, we also provide general standard errors in tables 9 through 12. Note that these standard errors only apply when data from all four rotations are used and you need to adjust these standard errors by a factor from table 7. 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 1992, 1993 combined panel parameters, multiply the parameters in table 7 by the appropriate factor from table 16. The factors provided in table 17 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 7 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 13 provides base "a" and "b" parameters for calculating 1993 topical module variances. Table 14 provides base "a" and "b" parameters for computing the 1992, 1993 combined panel topical module variances.

Described below are procedures for calculating standard errors for the types of estimates most commonly used. 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. We included stratum codes and half sample codes on the tapes so users can compute 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. Obtain the approximate standard error, s_x , of an estimated number of persons, households, families, unrelated individuals and so forth, in one of 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

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

where f is the appropriate "f" factor from table 7, and s is the standard error on the estimate obtained by interpolation from table 9 or 10. Alternatively, approximate s_x using the formula,

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

from which we calculated the standard errors in tables 9 and 10. Here x is the size of the estimate and "a" and "b" are the parameters associated with the particular type of characteristic. Use of formula 2 will provide more accurate results than the use of formula 1.

Illustration.

Suppose SIPP estimates for Wave 1 of the 1993 panel show that there were 472,000 black households with monthly household income above \$6,000. The appropriate parameters and factor from table 7 and the appropriate general standard error from table 9 are

$$a = -0.0004187 \quad b = 4,640 \quad f = 0.83 \quad s = 55,000$$

Using formula 1, the approximate standard error is

$$s_x = 46,000$$

Using formula 2, the approximate standard error is

$$\sqrt{(-0.0004187) (472,000)^2 + (4,640) (472,000)} = 46,000$$

Using the standard error based on formula 2, the approximate 90-percent confidence interval as shown by the data is from 396,000 to 548,000. 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.

Illustration for computing standard errors for combined panel estimates.

Suppose the combined SIPP estimate for total number of males in the 16+ Income and Labor Force for Wave 6, 1992 panel and Wave 3, 1993 panel was 92,398,000. The combined panel parameters for total males are obtained by multiplying the appropriate "a" and "b" values from table 7 by the appropriate factors from tables 16 and 17. The 1993 parameters and factors are a = -0.0000580, b = 5,433, g = 1.0000 and factor = 1.0000, respectively. Thus, the combined panel parameters are a = -0.0000580 and b = 5,433. Using formula 2, the approximate standard error is

$$S = \sqrt{(-0.0000580) (92,398,000)^2 + (5,433) (92,398,000)} = 83,000$$

Standard Error of a Mean. Define a mean as 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. Use formulas below to approximate the standard error of a mean. 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

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

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.

Estimate the population variance s^2 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, divide the range of values for the item into c intervals. The upper and lower boundaries of interval j are Z_{j-1} and Z_j , respectively. Place each unit 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:

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

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

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

Compute the mean, \bar{x} , using the following formula:

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

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

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

where there are n units with the item of interest and w_i is the final weight for unit i .

Compute the mean, \bar{x} , using the formula

$$\bar{x} = \frac{\sum_{i=1}^n w_i x_i}{\sum_{i=1}^n w_i} .$$

When forming combined estimates using formula (A) from the section on combined panel estimates, calculate s^2 , given by formula (4), by forming a distribution for each panel. Divide the range of values for the item into intervals. Obtain combined estimates for each interval using formula (A). Apply formula (4) to the combined distribution. To calculate \bar{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 1993 is given in table 15.

Using formula 4 and the mean monthly cash income of \$2,530 the approximate population

variance, s^2 , is

$$s^2 = \left(\frac{1,371}{39,851}\right) (150)^2 + \left(\frac{1,651}{39,851}\right) (450)^2 + \dots + \left(\frac{1,493}{39,851}\right) (9,000)^2 - (2,530)^2 = 3,159,887 .$$

Using formula 3, the appropriate base "b" parameter and factor from table 7, the estimated standard error of a mean \bar{x} is

$$s_{\bar{x}} = \sqrt{\left(\frac{5,433}{39,851,000}\right) (3,159,887)} = \$21$$

Standard error of an aggregate. We define an aggregate as the total quantity of an item summed over all the units in a group. Approximate the standard error of an aggregate using formula 6.

Because of the approximations used in developing formula (6), it 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:

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

Standard Errors of Estimated Percentages. The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends on the size of the percentage and its base. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more, 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.

We commonly estimate two types of percentages. 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, calculate the approximate standard error, $s_{(x,p)}$, of an estimated percentage p using the formula

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

when estimating p using data from all four rotations.

In this formula, f is the appropriate "f" factor from table 7 and s is the standard error of the estimate from table 11 or 12.

Alternatively, approximate it by the formula:

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

from which we calculated the standard errors in tables 11 and 12. 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. Using this formula gives more accurate results than using formula 7 above. Use this formula to estimate p for data with less than four rotations.

Illustration.

Suppose that, in the month of January 1993, 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 7,310 from table 7 and a factor of 1 for the month of January 1993 from table 8, the approximate standard error is

$$\sqrt{\frac{7,310}{(16,812,000)} (6.7) (100-6.7)} = 0.52 \text{ percent}$$

Consequently, the 90 percent confidence interval as shown by these data is from 5.8 to 7.6 percent.

Percentages of money require a more complicated formula. Estimate a percentage of money 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:

$$P_I = 100 (\hat{P}_A \bar{X}_A / \bar{X}_N)$$

where x_A and x_N are aggregate money figures, \bar{x}_A and \bar{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

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

where s_p is the standard error of \hat{p}_A , s_A is the standard error of \bar{x}_A and s_B is the standard error of \bar{x}_N . To calculate s_p , use formula 8. Calculate the standard errors of \bar{x}_N and \bar{x}_A using formula 3.

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

Illustration.

Suppose that in January 1993, 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

$$\begin{aligned} s_I &= \sqrt{\left(\frac{(0.098)(72121)}{78734}\right)^2 \left[\left(\frac{0.0031}{0.098}\right)^2 + \left(\frac{5799}{72121}\right)^2 + \left(\frac{2867}{78734}\right)^2 \right]} \\ &= 0.008 \\ &= 0.8\% \end{aligned}$$

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

$$S_{(x-y)} = \sqrt{S_x^2 + S_y^2} \quad (10)$$

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 1993 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 7 and formula 2, the standard errors of these numbers are approximately 130,000 and 118,000, respectively. The difference in sample estimates is 567,000 and, using formula 10, the approximate standard error of the difference is

$$\sqrt{(130,000)^2 + (118,000)^2} = 176,000$$

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 $1.645 \times 176,000 = 290,000$. Since the difference is greater than 1.645 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. Use the procedure described below to calculate standard errors on medians.

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.) Use the following procedure 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, you must interpolate. You may use different methods of interpolation. 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. Never use Pareto interpolation if the interval contains zero or negative measures of the item of interest. Use interpolation as follows. The quantity of the item such that "p" percent have more of the item is

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

if Pareto Interpolation is indicated and

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

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 15. 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 0.6 percentage points.
2. Following step 2, the two percentages of interest are 49.4 and 50.6.
3. By examining table 15, we see that the percentage 49.4 falls in the income interval from 2000 to 2499. (Since 55.5% receive more than \$2,000 per month, the dollar value corresponding to 49.4 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

$$\$2,000 \exp \left[\left(\text{Ln} \left(\frac{(.494)(39,851,000)}{22,106,000} \right) / \text{Ln} \left(\frac{16,307,000}{22,106,000} \right) \right) \text{Ln} \left(\frac{2,500}{2,000} \right) \right] = \$2177$$

Also by examining table 15, we see that 50.6 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

$$\$2,000 \exp \left[\left(\text{Ln} \left(\frac{(.506)(39,851,000)}{22,106,000} \right) / \text{Ln} \left(\frac{16,307,000}{22,106,000} \right) \right) \text{Ln} \left(\frac{2,500}{2,000} \right) \right] = \$2139$$

Thus, the 68-percent confidence interval on the estimated median is from \$2139 to \$2177. An approximate standard error is

$$\frac{\$2177 - \$2139}{2} = \$19$$

Standard Errors of Ratios of Means and Medians. Approximate the standard error for a ratio of means or medians by:

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

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.

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)

SIPP FILES

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 disability 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

SIPP FILES

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

1990 Census of Population Occupation Classification System

The list presents the occupational classification developed for the 1990 Census of Population and Housing. There are 501 categories for the employed with 1 additional category for the experienced unemployed and 3 additional categories for the Armed Forces. These categories are grouped into 6 summary groups and 13 major groups. The classification is developed from the 1980 Standard Occupational Classification. "n.e.c." is the abbreviation for not elsewhere classified.

1990
Census
code

Occupation category

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

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	Postmasters and mail superintendents (1344)
017	Managers, food serving and lodging establishments (1351)
018	Managers, properties and real estate (1353)
019	Funeral directors (pt 1359)
021	Managers, service organizations, n.e.c. (127, 1352, 1354, pt 1359)
022	Managers and administrators, n.e.c. (121, 126, 132-1343, 136-139)

Management Related Occupations

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

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS—Con.
Professional Specialty Occupations

043	Engineers, Architects, and Surveyors 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	Respiratory therapists (3031)
099	Occupational therapists (3032)
103	Physical therapists (3033)

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS—Con.
Professional Specialty Occupations—Con.

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)
156	Teachers, elementary school (232)
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)

**MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS—Con.
Professional Specialty Occupations—Con.**

	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)

**TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS—Con.
Technicians and Related Support Occupations—Con.**

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)
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)

**TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS—Con.
Administrative Support Occupations, Including Clerical—Con.**

	Secretaries, Stenographers, and Typists
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
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)
353	Communications equipment operators, n.e.c. (4733, 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, checkers and samplers (4756, 4757)
373	Expeditors (4758)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4759)

**TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS—Con.
Administrative Support Occupations, Including Clerical—Con.**

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)
- 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)
- 435 Waiters and waitresses (5213)
- 436 Cooks (5214, 5215)
- 438 Food counter, fountain and related occupations (5216)
- 439 Kitchen workers, food preparation (5217)

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SERVICE OCCUPATIONS—Con.

Service Occupations, Except Protective and Household—Con.

- 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)
- 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)
- 461 Guides (5255)
- 462 Ushers (5256)
- 463 Public transportation attendants (5257)
- 464 Baggage porters and bellhops (5262)
- 465 Welfare service aides (5263)
- 466 Family child care providers (pt 5264)
- 467 Early childhood teacher's assistants (pt 5264)
- 468 Child care workers, n.e.c. (pt 5264)
- 469 Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

Farm Operators and Managers

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

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)

FARMING, FORESTRY, AND FISHING OCCUPATIONS—Con.

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

- 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 (616)

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)

PRECISION PRODUCTION, CRAFT, AND

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REPAIR OCCUPATIONS—Con.

- 557 Supervisors; plumbers, pipefitters, and steamfitters (6316)
- 558 Supervisors, construction 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 (pt 6414, pt 6462)
- 566 Carpet installers (pt 6462)
- 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
- 628 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)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS—Con.

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)
674	Miscellaneous precision apparel and fabric workers (6856, 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

Metalworking and Plastic Working Machine Operators

703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713	Forging machine operators (7319, 7519)

OPERATORS, FABRICATORS, AND LABORERS—Con.
Machine Operators, Assemblers, and Inspectors—Con.

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

OPERATORS, FABRICATORS, AND LABORERS—Con.
Machine Operators, Assemblers, and Inspectors—Con.

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)
795	Miscellaneous hand working occupations (7758, 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 (8212-8214)
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)

SIPP FILES

**OPERATORS, FABRICATORS, AND LABORERS—Con.
Handlers, Equipment Cleaners, Helpers, and Laborers**

864 Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
865 Helpers, mechanics and repairers (863)

Helpers, Construction and Extractive Occupations

866 Helpers, construction trades (8641-8645, 8648)
867 Helpers, surveyor (8646)
868 Helpers, extractive occupations (865)
869 Construction laborers (871)
874 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)

MILITARY OCCUPATIONS

903 Commissioned Officers and Warrant Officers
904 Non-commissioned Officers and Other Enlisted Personnel
905 Military occupation, rank not specified

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION

909 Last worked 1984 or earlier

APPENDIX A-5

1990 Census of Population Industry Classification System

The list presents the industrial classification developed for the 1990 Census of Population and Housing. There are 235 categories for the employed, with 1 additional category for the experienced unemployed, and 7 additional categories for the Armed Forces. These categories are aggregated into 13 major groups. The classification is developed from the 1987 Standard Industrial Classification. "n.e.c." is the abbreviation for not elsewhere classified.

1990
Census
code

Industry category

AGRICULTURE, FORESTRY, AND FISHERIES

010 Agricultural production, crops (01)
011 Agricultural production, livestock (02)
012 Veterinary services (074)
020 Landscape and horticultural services (078)
030 Agricultural services, n.e.c. (071, 072, 075, 076)
031 Forestry (08)
032 Fishing, hunting, and trapping (09)

MINING

040 Metal mining (10)
041 Coal mining (12)
042 Oil and gas extraction (13)
050 Nonmetallic mining and quarrying, except fuels (14)

060 CONSTRUCTION (15, 16, 17)

MANUFACTURING

Nondurable Goods

Food and kindred products

100 Meat products (201)
101 Dairy products (202)
102 Canned, frozen, 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 Carpets and rugs (227)
142 Yarn, thread, and fabric mills (221-224, 228)
150 Miscellaneous textile mill products (229)

SIPP FILES

**MANUFACTURING-Con.
Nondurable Goods-Con.**

	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)
161	Miscellaneous paper and pulp products (267)
162	Paperboard containers and boxes (265)
	Printing, publishing, and allied industries
171	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 (285)
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 (302-306)
212	Miscellaneous plastics products (308)
	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)

MANUFACTURING—Con.**Durable Goods—Con.**

Metal industries

270	Blast furnaces, steelworks, rolling and finishing mills (331)
271	Iron and steel foundries (332)
272	Primary aluminum industries (3334, part 334, 3353-3355, 3363,3365)
280	Other primary metal industries (3331, 3339, part 334, 3351, 3356, 3357, 3364, 3366, 3369, 339)
281	Cutlery, handtools, and general hardware (342)
282	Fabricated structural metal products (344)
290	Screw machine products (345)
291	Metal forgings and stampings (346)
292	Ordnance (348)
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries

Machinery and computing equipment

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 (3578, 3579)
322	Computers and related equipment (3571- 3577)
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, TV, 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 exc. 3827)
372	Medical, dental, and optical instruments and supplies (3827, 384, 385)
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
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)

SIPP FILES

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES—Con.

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 and cable (483, 484)
441	Telephone communications (481)
442	Telegraph and miscellaneous communications services (482, 489)
	Utilities and sanitary services
450	Electric light and power (491)
451	Gas and steam supply systems (492, 496)
452	Electric and gas, and other combinations (493)
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	Professional and commercial equipment and supplies (504)
511	Metals and minerals, except petroleum (505)
512	Electrical goods (506)
521	Hardware, plumbing and heating supplies (507)
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)
532	Miscellaneous wholesale, durable goods (509 exc. 5093)

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-product raw materials (515)
552	Petroleum products (517)
560	Alcoholic beverages (518)
561	Farm supplies (5191)
562	Miscellaneous wholesale, nondurable goods (5192-5199)
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	Department stores (531)
592	Variety stores (533)
600	Miscellaneous general merchandise stores (539)
601	Grocery stores (541)

RETAIL TRADE—Con.

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)
623	Apparel and accessory stores, except shoe (56, except 566)
630	Shoe stores (566)
631	Furniture and home furnishings stores (571)
632	Household appliance stores (572)
633	Radio, TV, and computer stores (5731, 5734)
640	Music stores (5735, 5736)
641	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	Gift, novelty, and souvenir shops (5947)
662	Sewing, needlework and piece goods stores (5949)
663	Catalog and mail order houses (5961)
670	Vending machine operators (5962)
671	Direct selling establishments (5963)
672	Fuel dealers (598)
681	Retail florists (5992)
682	Miscellaneous retail stores (593, 5948, 5993- 5995, 5999)
691	Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

700	Banking (60 exc. 603 and 606)
701	Savings institutions, including credit unions (603, 606)
702	Credit agencies, n.e.c. (61)
710	Security, commodity brokerage, and investment companies (62, 67)
711	Insurance (63, 64)
712	Real estate, including real estate-insurance offices (65)

BUSINESS AND REPAIR SERVICES

721	Advertising (731)
722	Services to dwellings and other buildings (734)
731	Personnel supply services (736)
732	Computer and data processing services (737)
740	Detective and protective services (7381, 7382)
741	Business services, n.e.c. (732, 733, 735, 7383-7389)
742	Automotive rental and leasing, without drivers (751)
750	Automobile parking and carwashes (752, 7542)
751	Automotive repair and related services (753, 7549)
752	Electrical repair shops (762, 7694)
760	Miscellaneous repair services (763, 764, 7692, 7699)

SIPP FILES

PERSONAL SERVICES

761	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 exc. part 7219)
772	Beauty shops (723)
780	Barber shops (724)
781	Funeral service and crematories (726)
782	Shoe repair shops (725)
790	Dressmaking shops (part 7219)
791	Miscellaneous personal services (722, 729)

ENTERTAINMENT AND RECREATION SERVICES

800	Theaters and motion pictures (781-783, 792)
801	Video tape rental (784)
802	Bowling centers (793)
810	Miscellaneous entertainment and recreation services (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

812	Offices and clinics of physicians (801, 803)
820	Offices and clinics of dentists (802)
821	Offices and clinics of chiropractors (8041)
822	Offices and clinics of optometrists (8042)
830	Offices and clinics of health practitioners, n.e.c. (8043, 8049)
831	Hospitals (806)
832	Nursing and personal care facilities (805)
840	Health services, n.e.c. (807, 808, 809)
841	Legal services (81)
842	Elementary and secondary schools (821)
850	Colleges and universities (822)
851	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 (part 835)
863	Family child care homes (part 835)
870	Residential care facilities, without nursing (836)
871	Social services, n.e.c. (832, 839)
872	Museums, art galleries, and zoos (84)
873	Labor unions (863)
880	Religious organizations (866)
881	Membership organizations, n.e.c. (861, 862, 864, 865, 869)
882	Engineering, architectural, and surveying services (871)
890	Accounting, auditing, and bookkeeping services (872)
891	Research, development, and testing services (873)
892	Management and public relations services (874)
893	Miscellaneous professional and related services (899)

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)

PUBLIC ADMINISTRATION-Con.

- 930 Administration of environmental quality and housing programs (95)
- 931 Administration of economic programs (96)
- 932 National security and international affairs (97)

ACTIVE DUTY MILITARY

Armed Forces

- 940 Army
- 941 Air Force
- 942 Navy
- 950 Marines
- 951 Coast Guard
- 952 Armed Forces, Branch not specified
- 960 Military Reserves or National Guard

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY INDUSTRY

- 992 Last worked 1984 or earlier

CONTROL CARD

Available in paper copy only.

Section 4 – TOPICAL MODULES

Part A – ASSETS AND LIABILITIES

STATEMENT C Read to respondent: **These next questions concern various assets and liabilities.**

1a. As of (Read last day of reference period), did anyone outside of this household owe money to . . . as the result of the sale of a business or property? (Exclude mortgages owed to . . . which have already been reported.)

8200 1 Yes
 2 No
 x1 DK
 x2 Ref. } *SKIP to 2a*

b. How much was owed to . . .?

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

8202 \$. 00
 x1 DK
 x2 Ref.
8203 1 Office Use Only

ASK OR VERIFY –

2a. Did . . . own any U.S. Savings Bonds (Series E, or EE) as of (Read last day of reference period)?

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 4a*
 2 Interview for spouse not yet conducted
 3 Interview for spouse already conducted – *SKIP to 4a*

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

8209 1 Yes
 2 No
 x1 DK
 x2 Ref. } *SKIP to 3a*

d. 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.

3a. As of (Read last day of reference period), did . . . and . . .'s (husband/wife) together owe any money for –

(1) Store bills or credit card bills?

8212 1 Yes
 2 No
 x1 DK
 x2 Ref.

(2) Loans obtained through a bank or credit union, other than car loans or home equity loans?

8216 1 Yes
 2 No
 x1 DK
 x2 Ref.

(3) Any other debt we have not yet mentioned (include medical bills not covered by insurance, money owed to private individuals, and any other debt not covered; exclude mortgages, home equity loans, and car loans)?

8220 1 Yes
 2 No
 x1 DK
 x2 Ref.

If "Yes" to 3a ask –
3b. How much was owed as of (Read last day of reference period)?

8214 \$. 00
 x1 DK – *Probe*
 x2 Ref.

8218 \$. 00
 x1 DK – *Probe*
 x2 Ref.

8222 \$. 00
 x1 DK – *Probe*
 x2 Ref.

NOTES

TOPICAL MODULES

Section 4 – TOPICAL MODULES (Continued)

Part A – ASSETS AND LIABILITIES (Continued)

4a. (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 Yes
 No
 DK } SKIP to 4c
 Ref.

b. 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
 None
 DK
 Ref.

c. Did . . . have any debts, such as credit card bills, loans from a financial institution, or educational loans, in . . . 's OWN name?

8234 Yes
 No
 DK } SKIP to Check Item T2
 Ref.

d. As of (Read last day of reference period), did . . . owe any money (in . . . 's OWN name) for –

If "Yes" to 4d ask –
4e. How much was owed as of (Read last day of reference period)?

(1) Store bills or credit card bills?

8236 Yes
 No
 DK
 Ref.

8238 \$. 00
 DK – Probe
 Ref.

(2) Loans obtained through a bank or credit union, other than car loans or home equity loans?

8240 Yes
 No
 DK
 Ref.

8242 \$. 00
 DK – Probe
 Ref.

(3) Any other debt we have not yet mentioned (include medical bills not covered by insurance, money owed to private individuals, and any other debt not covered; exclude mortgages, home equity loans, and car loans)?

8244 Yes
 No
 DK
 Ref.

8246 \$. 00
 DK – Probe
 Ref.

CHECK ITEM T2

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

8258 Yes
 No – SKIP to 7a, page 60

5a. Does . . . have any Individual Retirement Accounts – any IRAs – in . . . 's OWN name?
 (Do not mark "Yes" if . . . is only included in spouse's IRA account.)

8260 Yes
 No
 DK } SKIP to 6a
 Ref.

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

8262 Years
 DK
 Ref. – SKIP to 6a

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 5e
 DK
 Ref. – SKIP to 6a

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 Yes – Mark Callback Summary and Reminder Card, Item 17
 No
 DK } SKIP to 6a
 Ref.

e. (Please look at Card AA.) As of (Read last day of reference period), which kinds of assets did . . . hold in . . . 's IRA accounts?

Mark (X) all that apply.

Anything else?

8268 Certificates of deposit or other saving certificates
 8270 Money market funds
 8272 U.S. Government securities
 8274 Municipal or corporate bonds
 8276 U.S. Savings Bonds
 8278 Stocks or mutual fund shares
 8280 Other assets – Specify

8282 DK

TOPICAL MODULES

Section 4 – TOPICAL MODULES (Continued)

Part A – ASSETS AND LIABILITIES (Continued)

<p>6a. Does . . . have a KEOGH account in . . .'s OWN name?</p>	<p>8284 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref. } <i>SKIP to 7a</i></p>
<p>b. For how many years has . . . contributed to . . .'s KEOGH account?</p>	<p>8286 <input type="text"/> <input type="text"/> Years x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref. – <i>SKIP to 7a</i></p>
<p>c. As of (Read last day of reference period), what was the total balance or market value of assets in . . .'s KEOGH account(s)?</p> <p style="text-align: center;">★</p>	<p>8288 \$ <input type="text"/> . <input type="text"/> 00 – <i>SKIP to 6e</i> x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref. – <i>SKIP to 7a</i></p>
<p>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.)</p>	<p>8290 1 <input type="checkbox"/> Yes – <i>Mark Callback Summary and Reminder Card, Item 18</i> 2 <input type="checkbox"/> No – <i>SKIP to 7a</i></p>
<p>e. (Please look at Card AA.) As of (Read last day of reference period), which kinds of assets did . . . hold in . . .'s KEOGH account(s)?</p> <p><i>Mark (X) all that apply.</i></p> <p>Anything else?</p>	<p>8292 1 <input type="checkbox"/> Certificates of deposit or other savings certificates 8294 2 <input type="checkbox"/> Money market funds 8296 3 <input type="checkbox"/> U.S. Government securities 8298 4 <input type="checkbox"/> Municipal or corporate bonds 8300 5 <input type="checkbox"/> U.S. Savings Bonds 8302 6 <input type="checkbox"/> Stocks or mutual fund shares 8304 7 <input type="checkbox"/> Other assets – <i>Specify</i> <input checked="" type="checkbox"/> 8306 x1 <input type="checkbox"/> DK</p>
<p>7a. Does . . . have any life insurance? (Include group policies provided by employers.)</p>	<p>8308 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref. } <i>SKIP to Statement D, page 61</i></p>
<p>b. What is the current FACE VALUE of ALL life insurance policies that . . . has?</p>	<p>8309 \$ <input type="text"/> . <input type="text"/> 00 x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref. 8310 1 <input type="checkbox"/> Office Use Only</p>
<p>c. What types of life insurance does . . . have – is it "term insurance", "whole life", or does . . . have both of these types?</p>	<p>8312 1 <input type="checkbox"/> Term only 2 <input type="checkbox"/> Whole life only 3 <input type="checkbox"/> Both types x1 <input type="checkbox"/> DK</p>
<p>CHECK ITEM T3 Is "Worked" (code 170) marked on the ISS?</p>	<p>8314 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No – <i>SKIP to Statement D, page 61</i></p>
<p>7c. Are any of . . .'s life insurance policies provided through . . .'s current employer(s)?</p>	<p>8316 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No – <i>SKIP to Statement D, page 61</i></p>
<p>d. What is the FACE VALUE of the life insurance policies provided through . . .'s employer(s)?</p>	<p>8318 \$ <input type="text"/> . <input type="text"/> 00 x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.</p>

NOTES

Section 4 – TOPICAL MODULES (Continued)

Part B – MEDICAL EXPENSES AND WORK DISABILITY

STATEMENT D → 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 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No | x1 <input type="checkbox"/> DK |
| b. Dentist bills? | 8402 | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No | x1 <input type="checkbox"/> DK |
| c. Hospital bills? | 8404 | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No | x1 <input type="checkbox"/> DK |
| d. Expenses for prescription medicine? | 8406 | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No | x1 <input type="checkbox"/> DK |

CHECK ITEM T4 Is one or more "Yes" boxes marked in item 1? **8408** 1 Yes
2 No – SKIP to Check Item T5

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 T5 Refer to cc item 24. What is . . .'s age? **8412** 1 15 years old – SKIP to Check Item T9
2 16 to 67 years old
3 68 years old or older – SKIP to Check Item T9

CHECK ITEM T6 Refer to item 18a on page 7. What is marked in item 18a? **8413** 1 Item 18a is blank
2 "Yes" in item 18a – SKIP to 3a
3 "No" in item 18a – Skip to Check Item T9

STATEMENT E → Now I want to ask about any health or physical condition . . . may have that affected . . .'s ability to work.

CHECK ITEM T7 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 T8
2 No – SKIP to Check Item T9

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 T9

CHECK ITEM T8 Is "Worked" (code 170) marked on the ISS? **8422** 1 Yes – SKIP to Check Item T9
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 T9

b. Has . . . been prevented from working for the past 12 months or longer? **8426** 1 Yes – SKIP to Check Item T9
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 T9

NOTES

Section 4 – TOPICAL MODULES (Continued)

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

CHECK ITEM T9 Is this the reference person's questionnaire? **8526** 1 Yes
2 No – SKIP to Check Item P1, page 67

STATEMENT F Read to respondent: **These next questions concern housing costs and automobile ownership.**

CHECK ITEM T10 Refer to cc item 14. Is this housing unit a mobile home? **8528** 1 Yes – SKIP to Check Item T14, page 63
2 No

CHECK ITEM T11 Refer to cc item 15. Tenure **8530** 1 Owned or being bought
2 Rented for cash – SKIP to 5
3 Occupied without cash payment – SKIP to 6

ASK OR VERIFY –

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

8532 Person No. Name _____
8534 _____
8536 _____

b. In what month and year was this home purchased?

8538 Month _____ **8539** Year **1** **9** _____
 x1 DK x1 DK

c. (Including rental properties attached to or located on . . . 's own residence), is there a mortgage, home equity loan, or other debt on this home?

8540 1 Yes
2 No
x1 DK } SKIP to 2
x2 Ref.

d. Altogether, how many mortgages, home equity loans, or other debts are there on this home?

8542 Number
x1 DK

(Ask questions 1e–1k for first mortgage and then return to 1e again for any second mortgage or other loan.)

	First mortgage	Second mortgage or other loan
e. How much principal is currently owed on this (first/other) mortgage (debt)? (If possible, please check any records you may have from the lender or mortgage company to obtain the most accurate estimate available.)	8564 \$ _____ . 00 x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.	8566 \$ _____ . 00 x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.
	8565 1 <input type="checkbox"/> Office Use Only	8567 1 <input type="checkbox"/> Office Use Only

f. In what year was this mortgage (loan) obtained? (If mortgage was assumed, give the original date of the mortgage.)	8568 1 9 _____ Year – If 1992, 1993, or 1994, ask month x1 <input type="checkbox"/> DK	8570 1 9 _____ Year – If 1992, 1993, or 1994, ask month x1 <input type="checkbox"/> DK
	8569 _____ Month x1 <input type="checkbox"/> DK	8571 _____ Month x1 <input type="checkbox"/> DK

g. What was the amount of the mortgage (loan) when it was obtained or last refinanced? (If mortgage was assumed, give the original amount of the mortgage.)	8572 \$ _____ . 00 x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref. – SKIP to 2	8574 \$ _____ . 00 x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref. – SKIP to 2
	8573 1 <input type="checkbox"/> Office Use Only	8575 1 <input type="checkbox"/> Office Use Only

h. What is the total number of years over which payments are to be made?	8576 _____ Years x8 <input type="checkbox"/> Not fixed x1 <input type="checkbox"/> DK	8578 _____ Years x8 <input type="checkbox"/> Not fixed x1 <input type="checkbox"/> DK
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i. What is the current annual interest rate on this mortgage (loan)?	8580 _____ . _____ Percent x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.	8582 _____ . _____ Percent x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.
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j. Is the interest rate variable, that is, can the rate change over the term of the mortgage (loan)?	8584 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK	8586 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK
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Section 4 – TOPICAL MODULES (Continued)

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

1k. Was this mortgage obtained through an FHA or VA mortgage program?	8587 1 <input type="checkbox"/> Yes – FHA 2 <input type="checkbox"/> Yes – VA 3 <input type="checkbox"/> No X1 <input type="checkbox"/> DK	8589 1 <input type="checkbox"/> Yes – FHA 2 <input type="checkbox"/> Yes – VA 3 <input type="checkbox"/> No X1 <input type="checkbox"/> DK
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CHECK ITEM T12 Refer to item 1d, page 62. Is there another loan or mortgage?	8592 1 <input type="checkbox"/> Yes – Ask item 1e, page 62, for next loan or mortgage 2 <input type="checkbox"/> No – SKIP to 2	Go to Check Item T13
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CHECK ITEM T13 Refer to item 1d, page 62. Are there 3 or more mortgages or loans on this home?	8594 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No – SKIP to 2	
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1l. How much principal is currently owed on all the remaining mortgages or loans not reported previously?	8596 \$ <input style="width: 60px;" type="text"/> . <input style="width: 30px;" type="text"/> 00 X1 <input type="checkbox"/> DK X2 <input type="checkbox"/> Ref. 8597 1 <input type="checkbox"/> Office Use Only	
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2. (Including rental properties attached to or located on . . . 's own residence), what is the current value of this property; that is, how much do you think it would sell for on today's market if it were for sale?	8598 \$ <input style="width: 60px;" type="text"/> . <input style="width: 30px;" type="text"/> 00 X1 <input type="checkbox"/> DK X2 <input type="checkbox"/> Ref. 8599 1 <input type="checkbox"/> Office Use Only	} SKIP to 5
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CHECK ITEM T14 Refer to cc item 15. Tenure of mobile home.	8608 1 <input type="checkbox"/> Owned or being bought 2 <input type="checkbox"/> Rented for cash – SKIP to 5 3 <input type="checkbox"/> Occupied without cash rent – SKIP to 6	
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3a. Is there a mortgage, installment loan, contract to purchase, or other debt on this mobile home or SITE?	8610 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No X1 <input type="checkbox"/> DK X2 <input type="checkbox"/> Ref.	} SKIP to 4
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b. Is this a mortgage, contract, or other debt for just the SITE, or does it also apply to this mobile home?	8612 1 <input type="checkbox"/> Mobile home only 2 <input type="checkbox"/> Site only 3 <input type="checkbox"/> Site and home	
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c. How much principal is currently owed on this (these) mortgage(s)?	8624 \$ <input style="width: 60px;" type="text"/> . <input style="width: 30px;" type="text"/> 00 X1 <input type="checkbox"/> DK – Probe X2 <input type="checkbox"/> Ref.	
---	---	--

4. How much do you think this mobile home (and SITE) would sell for today if it were for sale?	8630 \$ <input style="width: 60px;" type="text"/> . <input style="width: 30px;" type="text"/> 00 X1 <input type="checkbox"/> DK – Probe X2 <input type="checkbox"/> Ref.	
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5. How much was this household's (rent/mortgage payment) last month? <i>(Include any condominium or association fees.)</i>	8638 \$ <input style="width: 60px;" type="text"/> . <input style="width: 30px;" type="text"/> 00 X3 <input type="checkbox"/> None X1 <input type="checkbox"/> DK X2 <input type="checkbox"/> Ref.	} SKIP to Check Item T16, page 64
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6. How much did this household pay for electricity, gas, basic telephone service, and other utilities last month? <i>(Other utilities include other fuels and water. Include only payments made in addition to those reported in item 5.)</i>	8640 \$ <input style="width: 60px;" type="text"/> . <input style="width: 30px;" type="text"/> 00 X3 <input type="checkbox"/> Nothing or included in rent X1 <input type="checkbox"/> DK X2 <input type="checkbox"/> Ref.	} SKIP to Check Item T16, page 64
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NOTES

Section 4 – TOPICAL MODULES (Continued)

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

CHECK ITEM T15	Refer to cc items 19b, 23, and 24. Composition of household	8642	<input type="checkbox"/> One person household <input type="checkbox"/> Married-couple household, no other person 18 or older <input type="checkbox"/> Single parent household, no other person 18 or older <input type="checkbox"/> Other composition	} SKIP to Check Item T16
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7. Did more than one of the persons living here pay for the (rent/mortgage payment) and utilities last month?	8644	<input type="checkbox"/> Yes – SKIP to 9 <input type="checkbox"/> No
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8. Which person paid?	Person No.	Name		
	8646	<input type="text"/>	<input type="text"/>	} SKIP to Check Item T16

9. Which persons paid and how much did each pay?	Person 1			Person 2			Person 3		
	Person No.			Person No.			Person No.		
	8647 <input type="text"/>			8648 <input type="text"/>			8649 <input type="text"/>		
	Name			Name			Name		
	8650 \$ <input type="text"/> .00			8651 \$ <input type="text"/> .00			8652 \$ <input type="text"/> .00		
	x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.			x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.			x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.		

CHECK ITEM T16	Refer to cc items 18, and 23. Number of persons in household	8654	<input type="checkbox"/> One – SKIP to Check Item T17 <input type="checkbox"/> Two or more
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NOTES

Section 4 – TOPICAL MODULES (Continued)

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

<p>10a. 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?</p>	<p>8656 <input type="checkbox"/> Yes <input type="checkbox"/> No – SKIP to Check Item T17</p>												
<p>b. What was the total cost of these care arrangements for the month of (Read last month)?</p>	<p>8657 \$ <input style="width: 100px;" type="text"/> . <input style="width: 30px;" type="text"/> 00</p> <p>x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.</p>												
<p>CHECK ITEM T17 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?</p>	<p>8658 <input type="checkbox"/> In a public housing project } SKIP to 12a <input type="checkbox"/> Subsidized <input type="checkbox"/> Neither public nor subsidized</p>												
<p>11a. 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.</p>	<p>8660 <input type="checkbox"/> Yes <input type="checkbox"/> No x1 <input type="checkbox"/> DK } SKIP to 12a</p>												
<p>b. Which persons in this household are the owners of this (these) property(ies)?</p>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;"></td> <td style="width:35%;">Person No.</td> <td style="width:50%;">Name</td> </tr> <tr> <td>8662</td> <td><input style="width: 30px;" type="text"/></td> <td>_____</td> </tr> <tr> <td>8664</td> <td><input style="width: 30px;" type="text"/></td> <td>_____</td> </tr> </table>		Person No.	Name	8662	<input style="width: 30px;" type="text"/>	_____	8664	<input style="width: 30px;" type="text"/>	_____			
	Person No.	Name											
8662	<input style="width: 30px;" type="text"/>	_____											
8664	<input style="width: 30px;" type="text"/>	_____											
<p>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.)</p> <p><i>Count only share owned by household members.</i></p>	<p>8666 \$ <input style="width: 100px;" type="text"/> . <input style="width: 30px;" type="text"/> 00</p> <p>x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.</p> <p>8667 <input type="checkbox"/> Office Use Only</p>												
<p>12a. Does anyone in this household own a car, van, or truck, excluding recreational vehicles (RV's) and motorcycles?</p>	<p>8714 <input type="checkbox"/> Yes <input type="checkbox"/> No – SKIP to 13a</p>												
<p>b. How many cars, trucks, or vans are owned by members of this household?</p>	<p>8716 <input style="width: 30px;" type="text"/> Number of motor vehicles</p>												
<p>c. Who is (are) the owner(s) of the (newest, next newest) motor vehicle?</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:33%;"></th> <th style="width:33%;">Vehicle 1</th> <th style="width:33%;">Vehicle 2</th> <th style="width:33%;">Vehicle 3</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <p><i>(Ask items 12c–12g for vehicle 1 and then return to 12c for additional vehicles.)</i></p> </td> <td style="vertical-align: top;"> <p>Person No. 8718 <input style="width: 30px;" type="text"/></p> <p>Name _____</p> </td> <td style="vertical-align: top;"> <p>Person No. 8720 <input style="width: 30px;" type="text"/></p> <p>Name _____</p> </td> <td style="vertical-align: top;"> <p>Person No. 8722 <input style="width: 30px;" type="text"/></p> <p>Name _____</p> </td> </tr> <tr> <td style="vertical-align: top;"> <p>Person No. 8724 <input style="width: 30px;" type="text"/></p> <p>Name _____</p> </td> <td style="vertical-align: top;"> <p>Person No. 8726 <input style="width: 30px;" type="text"/></p> <p>Name _____</p> </td> <td style="vertical-align: top;"> <p>Person No. 8728 <input style="width: 30px;" type="text"/></p> <p>Name _____</p> </td> <td></td> </tr> </tbody> </table>		Vehicle 1	Vehicle 2	Vehicle 3	<p><i>(Ask items 12c–12g for vehicle 1 and then return to 12c for additional vehicles.)</i></p>	<p>Person No. 8718 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>	<p>Person No. 8720 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>	<p>Person No. 8722 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>	<p>Person No. 8724 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>	<p>Person No. 8726 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>	<p>Person No. 8728 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>	
	Vehicle 1	Vehicle 2	Vehicle 3										
<p><i>(Ask items 12c–12g for vehicle 1 and then return to 12c for additional vehicles.)</i></p>	<p>Person No. 8718 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>	<p>Person No. 8720 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>	<p>Person No. 8722 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>										
<p>Person No. 8724 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>	<p>Person No. 8726 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>	<p>Person No. 8728 <input style="width: 30px;" type="text"/></p> <p>Name _____</p>											
<p>d. What is the year, make, and model of this vehicle?</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:33%;"></th> <th style="width:33%;">Vehicle 1</th> <th style="width:33%;">Vehicle 2</th> <th style="width:33%;">Vehicle 3</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <p>8730 <input style="width: 30px;" type="text"/> 1 <input style="width: 30px;" type="text"/> 9 <input style="width: 30px;" type="text"/></p> <p>x1 <input type="checkbox"/> DK</p> </td> <td style="vertical-align: top;"> <p>8732 <input style="width: 30px;" type="text"/> 1 <input style="width: 30px;" type="text"/> 9 <input style="width: 30px;" type="text"/></p> <p>x1 <input type="checkbox"/> DK</p> </td> <td style="vertical-align: top;"> <p>8734 <input style="width: 30px;" type="text"/> 1 <input style="width: 30px;" type="text"/> 9 <input style="width: 30px;" type="text"/></p> <p>x1 <input type="checkbox"/> DK</p> </td> <td></td> </tr> <tr> <td style="vertical-align: top;"> <p>PGM 8 Make</p> <p>8735 _____</p> <p>8736 x1 <input type="checkbox"/> DK</p> <p>Model</p> <p>8741 _____</p> <p>8742 x1 <input type="checkbox"/> DK</p> </td> <td style="vertical-align: top;"> <p>PGM 8 Make</p> <p>8737 _____</p> <p>8738 x1 <input type="checkbox"/> DK</p> <p>Model</p> <p>8743 _____</p> <p>8744 x1 <input type="checkbox"/> DK</p> </td> <td style="vertical-align: top;"> <p>PGM 8 Make</p> <p>8739 _____</p> <p>8740 x1 <input type="checkbox"/> DK</p> <p>Model</p> <p>8745 _____</p> <p>8746 x1 <input type="checkbox"/> DK</p> </td> <td></td> </tr> </tbody> </table>		Vehicle 1	Vehicle 2	Vehicle 3	<p>8730 <input style="width: 30px;" type="text"/> 1 <input style="width: 30px;" type="text"/> 9 <input style="width: 30px;" type="text"/></p> <p>x1 <input type="checkbox"/> DK</p>	<p>8732 <input style="width: 30px;" type="text"/> 1 <input style="width: 30px;" type="text"/> 9 <input style="width: 30px;" type="text"/></p> <p>x1 <input type="checkbox"/> DK</p>	<p>8734 <input style="width: 30px;" type="text"/> 1 <input style="width: 30px;" type="text"/> 9 <input style="width: 30px;" type="text"/></p> <p>x1 <input type="checkbox"/> DK</p>		<p>PGM 8 Make</p> <p>8735 _____</p> <p>8736 x1 <input type="checkbox"/> DK</p> <p>Model</p> <p>8741 _____</p> <p>8742 x1 <input type="checkbox"/> DK</p>	<p>PGM 8 Make</p> <p>8737 _____</p> <p>8738 x1 <input type="checkbox"/> DK</p> <p>Model</p> <p>8743 _____</p> <p>8744 x1 <input type="checkbox"/> DK</p>	<p>PGM 8 Make</p> <p>8739 _____</p> <p>8740 x1 <input type="checkbox"/> DK</p> <p>Model</p> <p>8745 _____</p> <p>8746 x1 <input type="checkbox"/> DK</p>	
	Vehicle 1	Vehicle 2	Vehicle 3										
<p>8730 <input style="width: 30px;" type="text"/> 1 <input style="width: 30px;" type="text"/> 9 <input style="width: 30px;" type="text"/></p> <p>x1 <input type="checkbox"/> DK</p>	<p>8732 <input style="width: 30px;" type="text"/> 1 <input style="width: 30px;" type="text"/> 9 <input style="width: 30px;" type="text"/></p> <p>x1 <input type="checkbox"/> DK</p>	<p>8734 <input style="width: 30px;" type="text"/> 1 <input style="width: 30px;" type="text"/> 9 <input style="width: 30px;" type="text"/></p> <p>x1 <input type="checkbox"/> DK</p>											
<p>PGM 8 Make</p> <p>8735 _____</p> <p>8736 x1 <input type="checkbox"/> DK</p> <p>Model</p> <p>8741 _____</p> <p>8742 x1 <input type="checkbox"/> DK</p>	<p>PGM 8 Make</p> <p>8737 _____</p> <p>8738 x1 <input type="checkbox"/> DK</p> <p>Model</p> <p>8743 _____</p> <p>8744 x1 <input type="checkbox"/> DK</p>	<p>PGM 8 Make</p> <p>8739 _____</p> <p>8740 x1 <input type="checkbox"/> DK</p> <p>Model</p> <p>8745 _____</p> <p>8746 x1 <input type="checkbox"/> DK</p>											
<p>OFFICE USE ONLY</p> <p>PGM 7 _____</p> <p>8748 _____</p>	<p>OFFICE USE ONLY</p> <p>PGM 7 _____</p> <p>8750 _____</p>	<p>OFFICE USE ONLY</p> <p>PGM 7 _____</p> <p>8752 _____</p>											

Section 4 – TOPICAL MODULES (Continued)

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

	Vehicle 1	Vehicle 2	Vehicle 3
12e. Is this vehicle owned free and clear, or is there still money owed on it?	8754 1 <input type="checkbox"/> Money owed 2 <input type="checkbox"/> Free and clear } <i>SKIP to 12g</i> x1 <input type="checkbox"/> DK	8756 1 <input type="checkbox"/> Money owed 2 <input type="checkbox"/> Free and clear } <i>SKIP to 12g</i> x1 <input type="checkbox"/> DK	8758 1 <input type="checkbox"/> Money owed 2 <input type="checkbox"/> Free and clear } <i>SKIP to 12g</i> x1 <input type="checkbox"/> DK
f. How much is currently owed for this vehicle?	8760 \$ <input style="width:40px;" type="text"/> . <input style="width:20px;" type="text"/> 00 x1 <input type="checkbox"/> DK – Probe x2 <input type="checkbox"/> Ref.	8761 \$ <input style="width:40px;" type="text"/> . <input style="width:20px;" type="text"/> 00 x1 <input type="checkbox"/> DK – Probe x2 <input type="checkbox"/> Ref.	8762 \$ <input style="width:40px;" type="text"/> . <input style="width:20px;" type="text"/> 00 x1 <input type="checkbox"/> DK – Probe x2 <input type="checkbox"/> Ref.
g. Is this vehicle used primarily for either business purposes or for the transportation of a disabled person?	8763 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	8764 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	8765 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
CHECK ITEM T18 Is there another vehicle which has not been asked about?	8766 1 <input type="checkbox"/> Yes – Ask 12c for next vehicle 2 <input type="checkbox"/> No – Go to 13a	8768 1 <input type="checkbox"/> Yes – Ask 12c for next vehicle 2 <input type="checkbox"/> No – Go to 13a	<i>Go to 13a</i>
13a. Does anyone in this household own another kind of vehicle, not used for any business, such as a motorcycle, boat, or recreational vehicle? <i>Mark (X) all that apply.</i>	8770 1 <input type="checkbox"/> Motorcycle 8772 2 <input type="checkbox"/> Boat 8774 3 <input type="checkbox"/> Recreational vehicle (RV) 8776 4 <input type="checkbox"/> Other – Specify _____ 8778 5 <input type="checkbox"/> No – SKIP to Check Item P1, page 67		
<i>Ask items 13b–13e for each category of vehicle.</i>	Category 1	Category 2	
b. Who is (are) the owner(s) of the (Read first/second category marked in 13a)?	8780 Person No. <input style="width:20px;" type="text"/> <input style="width:20px;" type="text"/> <input style="width:20px;" type="text"/> Name _____ 8784 Person No. <input style="width:20px;" type="text"/> <input style="width:20px;" type="text"/> <input style="width:20px;" type="text"/> Name _____	8782 Person No. <input style="width:20px;" type="text"/> <input style="width:20px;" type="text"/> <input style="width:20px;" type="text"/> Name _____ 8786 Person No. <input style="width:20px;" type="text"/> <input style="width:20px;" type="text"/> <input style="width:20px;" type="text"/> Name _____	
c. If this vehicle were sold, what would it sell for in its present condition?	8788 \$ <input style="width:40px;" type="text"/> . <input style="width:20px;" type="text"/> 00 x1 <input type="checkbox"/> DK – Probe x2 <input type="checkbox"/> Ref. – SKIP to Check Item T19	8790 \$ <input style="width:40px;" type="text"/> . <input style="width:20px;" type="text"/> 00 x1 <input type="checkbox"/> DK – Probe x2 <input type="checkbox"/> Ref. – SKIP to Check Item P1, page 67	
d. Is (are) this (these) vehicle(s) owned free and clear, or is there still money owed on it (them)?	8792 1 <input type="checkbox"/> Money owed 2 <input type="checkbox"/> Free and clear } <i>SKIP to Check Item T19</i> x1 <input type="checkbox"/> DK	8794 1 <input type="checkbox"/> Money owed 2 <input type="checkbox"/> Free and clear } <i>SKIP to Check Item P1, page 67</i> x1 <input type="checkbox"/> DK	
e. How much is currently owed for this (these) vehicle(s)?	8796 \$ <input style="width:40px;" type="text"/> . <input style="width:20px;" type="text"/> 00 x1 <input type="checkbox"/> DK – Probe x2 <input type="checkbox"/> Ref.	8798 \$ <input style="width:40px;" type="text"/> . <input style="width:20px;" type="text"/> 00 x1 <input type="checkbox"/> DK – Probe x2 <input type="checkbox"/> Ref.	
CHECK ITEM T19 Is there another vehicle which has not been asked about?	8800 1 <input type="checkbox"/> Yes – Ask 13b for next vehicle 2 <input type="checkbox"/> No – Go to Check Item P1, page 67	<i>Go to Check Item P1, page 67</i>	

NOTES

PROGRAM QUESTIONS

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-14.

OLD	New	
(8401)	1	(Update No. 1, Revised 12/85) "An Overview of the Survey of Income and Program Participation," D. NELSON, D. B. MCMILLEN, and D. KASPRZYK (Census Bureau)
(8501)	2	"The Survey of Income and Program Participation: Uses and Applications," K. S. SHORT (Census Bureau)
(8502)	3	"Applications of a Matched File Linking the Bureau of the Census Survey of Income and Program Participation and Economic Data," S. HABER (The George Washington University)
(8503)	4	"Using the Survey of Income and Program Participation for Research on the Older Population," D. B. MCMILLEN, C. M. TAEUBER, and J. MARKS (Census Bureau)
(8504)	5	"Summary of the Content of the 1984 Panel of the Survey of Income and Program Participation," D. T. FRANKEL (Census Bureau)
(8505)	6	"Enhancing Data from the Survey of Income and Program Participation with Data from Economic Censuses and Surveys," D. K. SATER (Census Bureau)
(8506)	7	"Methodologies for Imputing Longitudinal Survey Items," V. J. HUGGINS, L. WEIDMAN, and M. E. SAMUHEL (Census Bureau)
(8507)	8	"New Household Survey and the CPS: A Look at Labor Force Differences," P. M. RYSCAVAGE (Census Bureau) and J. E. BREGGER (Bureau of Labor Statistics)
(8601)	9	"Some Aspects of SIPP," compiled and edited by R. A. HERRIOT and D. KASPRZYK (Census Bureau)
(8602)	10	"Nonsampling Error Issues in the SIPP," G. KALTON (University of Michigan), D. B. MCMILLEN, and D. KASPRZYK (Census Bureau)
(8603)	11	"An Investigation of Model-Based Imputation Procedures Using Data from the Income Survey Development Program," V. J. HUGGINS and L. WEIDMAN (Census Bureau)
(8604)	12	"Food Stamp Participation: A Comparison of SIPP with Administrative Records, S. CARLSON and R. DALRYMPLE (Food and Nutrition Service)
(8605)	13	"SIPP Longitudinal Household Estimation for the Proposed Longitudinal Definition," L. R. ERNST (Census Bureau)
(8606)	14	"A Comparison of Seven Imputation Procedures for the 1979 Panel of the Income Survey Development Program," V. J. HUGGINS (Census Bureau)
(8607)	15	"An Investigation of the Imputation of Monthly Earnings for the Survey of Income and Program Participation Using Regression Models," V. J. HUGGINS and L. WEIDMAN (Census Bureau)

SIPP FILES

OLD	New	
(8608)	16	"Evaluation of Training Materials and Methods for the Survey of Income and Program Participation," M. HOLT (Survey Research Consultant)
(8609)	17	"Patterns of Household Composition and Family Status Change," C. F. CITRO (ASA/Census Research Fellow), and H. W. WATTS (Department of Economics, Columbia University)
(8610)	18	"Composite Estimation for SIPP:A Preliminary Report," R. P. CHAKRABARTY (Census Bureau)
(8611)	19	"Longitudinal Household Concepts in SIPP: Preliminary Results," C. F. CITRO (ASA/Census Research Fellow), D. J. HERNANDEZ, and R. A. HERRIOT (Census Bureau)
(8612)	20	"Following Children in the Survey of Income and Program Participation," E. K. MCARTHUR, and K. S. SHORT (Census Bureau)
(8613)	21	"SIPP Labor Force Transitions: Problems and Promises," P. RYSCAVAGE and K. S. SHORT (Census Bureau)
(8614)	22	"Augmenting Data Reported in the Survey of Income and Program Participation withAdministrative Record Data--A Brief Discussion," D. K. SATER (Census Bureau)
(8701)	23	"Tracking Persons Over Time," A. C. JEAN and E. K. MCARTHUR (Census Bureau)
(8702)	24	"Preliminary Data from the SIPP 1983-84 Longitudinal Research File," J. F. CODER, D. BURKHEAD, A. FELDMAN-HARKINS, and J. MCNEIL (Census Bureau)
(8703)	25	"Work Experience Data from SIPP," P. RYSCAVAGE and A. FELDMAN-HARKINS (Census Bureau)
(8704)	26	"The Treatment of Person-Wave Nonresponse in Longitudinal Surveys," G. KALTON, J. LEPKOWSKI, S. HEERINGA, TING-KWONG LIN, and M. E. MILLER (Survey Research Center, University of Michigan)
(8705)	27	"SIPP: Filling Data Gaps on the Poverty and Social Welfare Fronts," P. RYSCAVAGE (Census Bureau)
(8706)	28	"Response Errors in Labor Surveys: Comparisons of Self and Proxy," D. HILL (University of Michigan)
(8707)	29	"Differences Between SIPP and Food and Nutrition Service Program Data on Child Nutrition andWIC Program Participation," L. KU and R. DALRYMPLE (Food and Nutrition Service, U.S. Department of Agriculture)
(8708)	30	"Quality Profile for the Survey of Income and Program Participation," K. KING, R. PETRONI, and R. SINGH (Census Bureau)
(8709)	31	"Survey of Income and Program Participation (SIPP) Sample Loss and the Efforts to Reduce It," D. NELSON, C. BOWIE, and A. WALKER (Census Bureau)

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OLD	New	
(8710)	32	"The Impact of Imputation Procedures on Distributional Characteristics of the Low Income Population," P. DOYLE (Mathematica Policy Research), and R. DALRYMPLE (Food and Nutrition Service, U.S. Department of Agriculture)
(8711)	33	"Job Tenure, Lifetime Work Interruptions and Wage Differentials," J. MCNEIL, E. LAMAS (Census Bureau), and S. HABER (The George Washington University)
(8712)	34	"Measuring the Bias in Gross Flows in the Presence of Auto-Correlated Response Errors," D. HUBBLE (Census Bureau), and D. JUDKINS (Westat, Inc.)
(8713)	35	"Investigation of Possible Causes of Transition Patterns from SIPP," L. WEIDMAN (Census Bureau)
(8714)	36	"Household and Income Sources: Monthly Averages for 1984," J. MOORMAN (Census Bureau)
(8715)	37	"Creating SIPP Longitudinal Files Using OSIRIS IV," M. SERVAIS (University of Michigan)
(8716)	38	"Transition In and Out of Poverty: New Data from the Survey of Income and Program Participation," P. RUGGLES (The Urban Institute), and R. WILLIAMS (Congressional Budget Office)
(8717)	39	"On Their Own: The Self-Employed and Others in Private Business," S. HABER (The George Washington University), E. LAMAS (Census Bureau), and J. LICHTENSTEIN (U.S. Small Business Administration)
(8718)	40	"Factors Associated with Household Net Worth," E. LAMAS and J. MCNEIL (Census Bureau)
(8719)	41	"Exploring Changes in Health Care Coverage Using the SIPP Longitudinal Research File," D. BURKHEAD and A. FELDMAN and HARKINS (Census Bureau)
(8720)	42	"The Analysis of Geographical Mobility and Life Events with the SIPP," D. DAHMANN and E. MCARTHUR (Census Bureau)
(8721)	43	"A Review of the Use of Administrative Records in the Survey of Income and Program Participation," C. BOWIE and D. KASPRZYK (Census Bureau)
(8722)	44	"Survey of Income and Program Participation Update," D. KASPRZYK (Census Bureau)
(8723)	45	"Measuring Poverty with the SIPP and the CPS," R. WILLIAMS (Congressional Budget Office)
(8724)	46	"The Statistical Invisible Minority Aged," C. TAEUBER (Census Bureau), and E. ATTAH (Atlanta University)
(8725)	47	"An Analysis of the SIPP Asset and Liability Feedback Experiment," E. LAMAS and J. MCNEIL (Census Bureau)
(8801)	48	"The Impact of the Unit of Analysis on Measures of Serial Multiple Program Participation," P. DOYLE and S. K. LONG (Mathematica Policy Research, Inc.)

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OLD New

- (8802) 49 "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," P. RUGGLES (The Urban Institute)
- (8803) 50 "Residential Mobility of One-Person Households," J. WITTE and H. LAHMANN (German Institute for Economic Research)
- (8804) 51 "Year-Apart Estimates of Household Net Worth from the Survey of Income and Program Participation," J. MCNEIL and E. LAMAS (Census Bureau)
- (8805) 52 "Measuring Poverty and Crises: A Comparison of Annual and Subannual Accounting Periods Using the Survey of Income and Program Participation," M. DAVID and J. FITZGERALD (Institute for Research on Poverty)
- (8806) 53 "Using Administrative Record Data to Evaluate the Quality of Survey Estimates," J. MOORE and K. MARQUIS (Census Bureau)
- (8807) 54 "The Wealth of the Aged and Nonaged, 1984," D. RADNER (Social Security Administration)
- (8808) 55 "Examining the Dynamics of Health Insurance Loss: A Tale of Two Cohorts, A. C. MONHEIT and C. L. SCHUR (National Center for Health Services Research)
- (8809) 56 "The Dynamics of Medicaid Enrollment," P. FARLEY-SHORT, J. A. CANTOR and A. C. MONHEIT (National Center for Health Services Research)
- (8810) 57 "The Discouraged Worker Effect: A Reappraisal Using Spell Duration Data, A. MARTINI (University of Wisconsin-Madison)
- (8811) 58 "Income as a Proxy for the Economic Status of the Elderly," D. J. CHOLLET and R. B. FRIEDLAND (Employee Benefit Research Institute)
- (8812) 59 "The SIPP: Data from the Social Security Administration's 1987 Annual Statistical Supplement."
- (8813) 60 "Participation in Industrial Training Programs," S. HABER (The George Washington University)
- (8814) 61 "A Methodological Study Using Administrative Records: The Special Frames Study of the Income Survey Development Program," W. J. LOGAN (Social Security Administration), D. KASPRZYK and R. CAVANAUGH (Census Bureau)
- (8815) 62 "The Effect of Income Taxation on Labor Supply When Deductions are Endogenous, R. K. TRIEST (The Johns Hopkins University)
- (8816) 63 "A Comparison of Gross Changes in Labor Force Status from SIPP and CPS," P. RYSCAVAGE and A. FELDMAN-HARKINS (Census Bureau)
- (8817) 64 "How are the Elderly Housed? New Data from the 1984 Survey of Income and Program Participation," A. GOLDSTEIN (Census Bureau)
- (8818) 65 "Welfare Recipient as Observed in the SIPP," J. CODER (Census Bureau) and P. RUGGLES (The Urban Institute)

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OLD	New	
(8819)	66	"Reservation Wages and Subsequent Acceptance Wages of Unemployed Persons, P. RYSCAVAGE (Census Bureau)
(8820)	67	"Selected References from the Income Survey Development Program (ISDP) and Survey of Income and Program Participation (SIPP)."
(8821)	68	"Training, Wage Growth, Firm Size," S. HABER (The George Washington University) and E. LAMAS (Census Bureau)
(8822)	69	"Defining and Measuring Nonmetro Poverty: Results from the Survey of Income and Program Participation," R. HOPPE (Economic Research Service, U.S. Department of Agriculture)
(8823)	70	"Nonresponse Adjustment Methods for Demographic Surveys at the U.S. Bureau of the Census," R. SINGH and R. PETRONI (Census Bureau)
(8824)	71	"Testing Telephone Interviewing in the Survey of Income and Program Participation and Some Early Results," S. DURANT and P. GBUR (Census Bureau)
(8825)	72	"Excluding Sample that Misses Some Interviews from SIPP Longitudinal Estimates," L. R. ERNST and D. GILLMAN (Census Bureau)
(8826)	73	"The Employment of Mothers and the Prevention of Poverty," M. HILL (University of Michigan) and H. HARTMANN (Rutgers University)
(8827)	74	"Using Administrative Record Data to Describe SIPP Response Errors," J. MOORE and K. MARQUIS (Census Bureau)
(8828)	75	"A Look at Welfare Dependency Using the 1984 SIPP Panel File," J. CODER, D. BURKHEAD, and A. FELDMAN-HARKINS (Census Bureau)
(8829)	76	"Census Bureau Microdata: Providing Useful Research Data While Protecting the Anonymity of Respondents," G. GATES (Census Bureau)
(8830)	77	"The Survey of Income and Program Participation: An Overview and Discussion of Research Issues," D. KASPRZYK (Census Bureau)
(8901)	78	"Quality of SIPP Estimates," R. P. SINGH, L. WEIDMAN, and G. SHAPIRO (Census Bureau)
(8902)	79	"Two Notes on Sampling Variance Estimates from the 1984 SIPP Public-Use Files," B. BYE and S. J. GALLICCHIO (Social Security Administration)
(8903)	80	"Longitudinal vs. Retrospective Measures of Work Experience," P. RYSCAVAGE and J. CODER (Census Bureau)
(8904)	81	"Analyzing the Characteristics of Blacks: A Comparison of Data from SIPP and CPS," R. FARLEY and L. J. NEIDERT (University of Michigan)
(8905)	82	"Enhanced Demographic-Economic Data Sets," R. HERRIOT, C. BOWIE, D. KASPRZYK, and S. HABER (Census Bureau)

SIPP FILES

OLD	New	
(8906)	83	"Reflections on the Income Estimates from the Initial Panel of the Survey of Income and Program Participation (SIPP)," D. VAUGHAN (Social Security Administration)
(8907)	84	"Measuring Spells of Unemployment and Their Outcomes," P. RYSCAVAGE (Census Bureau)
(8908)	85	"Welfare Dependency and its Causes: Determinants of the Duration of Welfare Spells," P. RUGGLES (The Urban Institute)
(8909)	86	"Measuring the Duration of Poverty Spells," P. RUGGLES (The Urban Institute) and R. WILLIAMS (Congressional Budget Office)
(8910)	87	"Methods of Processing Unit Data Longitudinally on the SIPP," K. SMITH (Congressional Budget Office)
(8911)	88	"Composite Estimation for SIPP Annual Estimates," R. P. CHAKRABARTY (Census Bureau)
(8912)	89	"Research and Evaluation Conducted on the Survey of Income and Program Participation," R. PETRONI, T. CARMODY, and V. HUGGINS (Census Bureau)
(8913)	90	"A Poisson Model of Response and Procedural Error Analysis of SIPP Reinterview Data," D. HILL (University of Michigan)
(8914)	91	"The Economic Resources of the Elderly," S. CRYSTAL and D. SHEA (Rutgers University)
(8915)	92	"Multivariate Analysis by Users of SIPP Micro-Data Files" R. P. CHAKRABARTY (Census Bureau)
(8916)	93	"A Resource-Based Model of Living Arrangements among the Unmarried Elderly," J. E. MUTCHLER and J. A. BURR (University of Buffalo)
(8917)	94	"Measuring Household Change at the Individual Level Using Data from SIPP, " A. SPEARE, JR. and R. AVERY (Brown University)
(8918)	95	"The Effect of Child Care Costs on Married Women's Labor Force Participation, R. CONNELLY (Bowdoin College)
(8919)	96	"Income and Assets of Social Security Beneficiaries by Type of Benefit," S. GRAD (Social Security Administration)
(8920)	97	"Development and Evaluation of a Survey-Based Type of Benefit Classification for the Social Security Program," D. VAUGHAN (Social Security Administration)
(8921)	98	"Wave Seam Effects in the SIPP," N. YOUNG (The Urban Institute)
(8922)	99	"Components of Longitudinal Household Change for 1984-1985: An Evaluation of National Estimates from the SIPP," D. J. HERNANDEZ (Census Bureau)
(8923)	100	"Database Design for Large-Scale, Complex Data," M. H. DAVID and A. ROBBIN (University of Wisconsin)

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OLD	New	
(8924)	101	"Measuring the Frequency and Consequences of Job Separations: Data from the Survey of Income and Program Participation," J. MCNEIL and E. LAMAS (Census Bureau)
(8925)	102	"The Regular Receipt of Child Support: A Multi-Step Process," J. PETERSON and C. NORD (Child Trends, Inc.)
(8926)	103	"The Potential for Comparative Panel Research Using Data from the Survey of Income and Program Participation and the German Socio-Economic Panel, J. C. WITTE (Harvard University)
(8927)	104	"Offer Arrivals Versus Acceptance: Interpreting Demographic Reemployment Patterns in the Search Framework," T. J. DEVINE (The Pennsylvania State University)
(8928)	105	"Findings from the SIPP Fringe Benefits Feasibility Study: Response Rates and Data Quality," S. HABER (The George Washington University)
(9001)	106	"Recent Developments in the Survey of Income and Program Participation, C. BOWIE (Census Bureau)
(9002)	107	"An Analysis of Leaving Home Using Data from the 1984 Panel of the SIPP, A. SPEARE, JR., R. AVERY, and F. GOLDSCHIEDER (Brown University)
(9003)	108	"The Effect of the Marriage Market on First Marriages: Evidence from SIPP, J. FITZGERALD (Bowdoin College)
(9004)	109	"Counting Spells of Unemployment," P. RYSCAVAGE and K. SHORT (Census Bureau)
(9005)	110	"The Elderly and Their Sources of Income: Implications for Rural Development," R. HOPPE (Economic Research Service, U.S. Department of Agriculture)
(9006)	111	"Alternative Estimates of Economic Well-Being by Age Using Data on Wealth and Income," D. RADNER (Social Security Administration)
(9007)	112	"Longitudinal Analysis of Federal Survey Data," P. RUGGLES (Joint Economic Committee)
(9008)	113	"Measurement Errors in SIPP Program Reports," K. H. MARQUIS and J. C. MOORE (Census Bureau)
(9009)	114	"Handling Single Wave Nonresponse in Panel Surveys," R. SINGH, V. HUGGINS, and D. KASPRZYK (Census Bureau)
(9010)	115	"Nonresponse Research for the SIPP," R. PETRONI (Census Bureau)
(9011)	116	"The Seam Effect in Panel Surveys," G. KALTON, D. HILL, and M. MILLER (University of Michigan)
(9012)	117	"The Effects of Being Uninsured on Health Care Service Use: Estimates from the SIPP," S. H. LONG and J. RODGERS (Congressional Budget Office)
(9013)	118	"Wage Differential and Job Changes," S. SENINGER and D. GREENBERG (University of Maryland)

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OLD	New	
(9014)	119	"Wages and Employment Among the Working Poor: New Evidence From SIPP, S. K. LONG (The Urban Institute) and A. MARTINI (Mathematica Policy Research)
(9015)	120	"Pension Portability & Labor Mobility: Evidence from SIPP," A. GUSTMAN (Dartmouth College) and T. STEINMEIER (Texas Tech University)
(9016)	121	"Response & Procedural Error Variance in Surveys: An Application of Poisson and Newman Type A Regression," D. HILL (University of Toledo)
(9017)	122	"Aging and the Income Value of Housing Wealth," S. F. VENTI (Dartmouth College) and D. A. WISE (Harvard University)
(9018)	123	"Welfare Participation and Welfare Recidivism: The Role of Family Events, S. K. LONG (The Urban Institute)
(9019)	124	"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)	125	"Living Benefits: Closing the Gap for LTC Financing," D. G. SHEA (Pennsylvania State University)
(9021)	126	"SIPP Record Check Results: Implications for Measurement Principles and Practice, K. H. MARQUIS and J. C. MOORE (Census Bureau)
(9022)	127	"Workers with Disabilities in Large and Small Firms: Profiles from the SIPP," D. DRURY (Berkeley Planning Associates)
(9023)	128	"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)	129	"The Saving Effect of Tax-Deferred Retirement Accounts: Evidence from the SIPP, S. VENTI (Dartmouth College) and D. A. WISE (Harvard University)
(9025)	130	"Children and Welfare: Patterns of Multiple Program Participation," S. K. LONG (The Urban Institute)
(9026)	131	"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)	132	"The SIPP Event History Calendar: Aiding Respondents in the Dating of Longitudinal Process," R. KOMINSKI (Census Bureau)
(9028)	133	"Estimates of Employer Contributions for Health Insurance by Worker Characteristics," S. HABER (George Washington University)
(9029)	134	"Two Notes on Relating the Risk of Disclosure for Microdata and Geographic Area Size," B. GREENBERG and L. VOSHELL (Census Bureau)
(9030)	135	"Childcare Effects on Social Security Benefits (91 ARC)," H. M. IAMS (Social Security Administration)

OLD	New	
(9031)	136	"The Effect of the Medicaid Program on Welfare Participation & Labor Supply," R. MOFFIT (Brown University) and B. WOLFE (University of Wisconsin)
(9032)	137	"Proxy Reports: Results from a Record Check Study," J. C. MOORE (Census Bureau)
(9033)	138	"Spells Without Health Insurance: What Affects Spell Durations and Who are the Chronically Uninsured?," T. MCBRIDE and K. SWARTZ (The Urban Institute)
(9034)	139	"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)	140	"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)
(9101)	141	"Trends in Income and Wealth of the Elderly in the 1980's," P. RYSCAVAGE (Census Bureau)
(9102)	142	"The Impact of Survey and Questionnaire Design on Longitudinal Labor Force Measures," A. MARTINI (Mathematica Policy Research) and P. RYSCAVAGE (Census Bureau)
(9103)	143	"Using SIPP to Analyze Black-White Differences in Youth Employment," G. C. CAIN and P. M. GLEASON (University of Wisconsin)
(9104)	144	"A Random-Effects Approach to Attrition Bias in the SIPP Health Insurance Data," J. A. KLERMAN (The Rand Corporation)
(9105)	145	"Alternative Samples for Welfare Duration in SIPP: Does Attrition Matter?," J. FITZGERALD(Census Bureau/Bowdoin College) X. ZUO (Census Bureau/Shanghai Academy of Social Science)
(9106)	146	"Job-Exits and Job-to-Job Transitions in the United States: An Empirical Analysis Using SIPP," T. J. DEVINE (Pennsylvania State University)
(9107)	147	"The Flow of Household Income in the 1984 Survey of Income and Program Participation," H. W. WATTS (Census Bureau/Columbia University), D. B. MCMILLEN (Census Bureau) and L. MOELLER (Census Bureau/Columbia University)
(9108)	148	"The Survey of Income and Program Participation as a Source of Data on Children and Families: A Comparison of Estimates Derived from SIPP with Estimates from Other Sources," C. WINQUIST NORD and A. RHOADS (Child Trends, Inc.)
(9109)	149	"Health Insurance Coverage Among the Elderly," V. WILCOX-GOK (Department of Economics and Institute for Health) J. RUBIN (Health Care Policy, and Aging Research)
(9110)	150	"A Cognitive Approach to Redesigning Measurement in the Survey of Income and Program Participation," K. H. MARQUIS, J. C. MOORE and K. E. BOGEN (Census Bureau)
(9111)	151	"Effects of Measurement Error on Occupational Event History Analysis," D. H. HILL (University of Toledo)
(9112)	152	"Record Use by Respondents," R. KOMINSKI (Census Bureau)

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(9113)	153	"Reciency History and Left-Censored Spells of Program Participation in the SIPP," K. SHORT and J. EARGLE (Census Bureau)
(9114)	154	"Receipt of Food Stamps by Longitudinal Households and Individuals in the SIPP," N. R. BURSTEIN (Abt Associates Inc.)
(9115)	155	"Within-PSU Sort and Stratification Research to Improve Survey Efficiency," M. GORSAK, K. MANSUR, D. FENSTERMAKER and R. PETRONI (Census Bureau)
(9116)	156	"Marital Separation and the Economic Well-Being of Children and Their Absent Fathers," S. M. BIANCHI (Census Bureau)
(9117)	157	"Rationale for a SIPP-Based Microsimulation Model of SSI and OASDI," B. WIXON and D. R. VAUGHAN (Social Security Administration)
(9118)	158	"Implementing an SSI Model Using the Survey of Income and Program Participation, D. R. VAUGHAN and B. WIXON (Social Security Administration)
(9119)	159	"Local Labor Markets and Local Area Effects on Welfare Duration: Evidence from SIPP," J. FITZGERALD (Census Bureau) X. ZUO (Dowdoin College and Shanghai Academy of Social Science)
(9120)	160	"Oversampling the Low-Income Population in the Survey of Income and Program Participation (SIPP)," G. D. WELLER, V. J. HUGGINS and R. P. SINGH (Census Bureau)
(9121)	161	"Estimates of the Uninsured Population from the Survey of Income and Program Participation: Size, Characteristics, and the Possibility of Attrition Bias, K. SWARTZ (The Urban Institute)
(9201)	162	"Changes in Parent-Child Coresidence in Later Life," A. SPEARE, JR. (Census Bureau/Brown University) and R. AVERY (Brown University)
(9202)	163	"Who Helps Whom in Older Parent-Child Families," A. SPEARE, JR. (Population Studies and Training Center) R. AVERY (Brown University)
(9203)	164	"Testing Alternative Household Roster Questions for the Survey of Income and Program Participation," D. CANTOR and C. EDWARDS
(9204)	165	"Pretest Results of an Alternative Measurement Design for the Survey of Income and Program Participation," K. BOGEN, J. C. MOORE and K. H. MARQUIS (Center for Survey Methods Research and Census Bureau)
(9205)	166	"Dependent and Independent Data Collection in Panel Surveys: Analysis of 1985, 1986 SIPP Occupation and Industry Data," D. H. HILL (Survey Research Institute/University of Toledo)
(9206)	167	"The Survey of Income and Program Participation in the 1990's," D. H. WEINBERG and R. J. PETRONI (Census Bureau)
(9207)	168	"A Statistical Profile of At-Risk Children in the United States," C. WINQUIST NORD and A. RHOADS (Child Trends, Inc.)

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(9208)	169	"Social Security Earnings of Wives Relative to Their Husbands: A Cohort Analysis", H. M. IAMS (Social Security Administration)
(9209)	170	"Private Health Insurance and the Utilization of Medical Care by the Elderly, V. WILCOX-GOK and J. RUBIN
(9210)	171	"Analyzing Spells of Program Participation in the SIPP," G. KALTON, D. P. MILLER, AND J. LEPKOWSKI
(9211)	172	"Time in Panel Effects in the SIPP," G. KALTON, J. M. LEPKOWSI, S. G. PENNELL, D. P. MILLER AND E. LUIS.
(9301)	173	"Multiple Program Use in a Dynamic Context: Data from the SIPP," R. M. BLANK (Northwestern University) and P. RUGGLES (The Urban Institute)
(9302)	174	"A Comparative Analysis of the Labor Force Activities of Ethnic Populations," F. D. WILSON (University of Wisconsin-Madison ASA/NSF/Census Fellow) and L. L. WU (University of Wisconsin-Madison)
(9303)	175	"Variance Estimation by User of SIPP Micro-Data Files," R. P. CHAKRABARTY (Census Bureau)
(9304)	176	"Measurements of Job Exits: What Difference Does Ambiguity Make?," T. J. DEVINE (Pennsylvania State University)
(9305)	177	"The Seasonality of Moving: An Analysis of Data from the Survey of Income and Program Participation," D. DEARE (Census Bureau)
(9306)	178	"The Quality of Census Bureau Survey Data Among Respondents with High Income," C. T. NELSON (Census Bureau)
(9307)	179	"Modeling Food Stamp Participation in the Presence of Reporting Errors," C. R. BOLLINGER and M. DAVID (University of Wisconsin)
(9308)	180	"The Seam Effect in SIPP's Labor Force Data: Did the Recession Make it Worse?," P. RYSCAVAGE (Census Bureau)
(9309)	181	"Where's Papa? Fathers' Role in Child Care" M. O'CONNELL (Census Bureau)
(9310)	182	"Effectiveness of Oversampling Low Income Households in the Survey of Income and Program Participation" T. ALLEN, R. PETRONI and R. SINGH
(9311)	183	"Informal Mechanisms for Government Decision-Making: Case Study of a Team Approach to Redesigning the Survey of Income and Program Participation," D. H. WEINBERG (Census Bureau)
(9312)	184	"The Earned Income Tax Credit: Participation, Compliance, and Antipoverty Effectiveness," J. K. SCHOLZ (University of Wisconsin-Madison)
(9313)	185	"Effects of a Cognitive Interviewing Approach on Response Quality in a Pretest for the SIPP," K. H. MARQUIS, J. C. MOORE and K. BOGEN (Census Bureau)

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OLD	New	
(9314)	186	"Cross-Sectional Imputation and Longitudinal Editing Procedures in the Survey of Income and Program Participation," S. G. PENNELL (The University of Michigan)
(9315)	187	"Who's Wealthy? Who's Not? Stability and Change in Sociodemographic Covariate Structures of Positive, Zero, and Negative Net Worth Data in the Survey of Income and Program Participation," K. C. LAND and S. T. RUSSELL
(9316)	188	"Are College-Educated Young Persons Finding Good Jobs? A Look at Some of the Evidence" P. RYSCAVAGE (Census Bureau)
(9401)	189	"A Comparison of Attrition in the Panel Study of Income Dynamics and the Survey of Income and Program Participation," J. E. ZABEL
(9402)	190	"The Effect of Attrition on Income and Poverty Estimates from the Survey of Income and Program Participation (SIPP)," E. LAMAS, J. TIN and J. EARGLE
(9403)	191	"An Analysis of Attrition in the PSID and SIPP with an Application to a Model of Labor Market Behavior," J. E. ZABEL
(9404)	192	"Mover Nonresponse Adjustment Research for the Survey of Income and Program Participation," T. M. ALLEN and R. J. PETRONI
(9405)	193	"Use of Administrative Data in SIPP Longitudinal Estimation," S. M. DORINSKI and H. HUANG
(9406)	194	"Longitudinal Imputation of SIPP Food Stamp Benefits," A. TREMBLAY
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_____ 19	8611	_____ 59	8812	_____ 99	8922
_____ 20	8612	_____ 60	8813	_____ 100	8923
_____ 21	8613	_____ 61	8814	_____ 101	8924
_____ 22	8614	_____ 62	8815	_____ 102	8925
_____ 23	8701	_____ 63	8816	_____ 103	8926
_____ 24	8702	_____ 64	8817	_____ 104	8927
_____ 25	8703	_____ 65	8818	_____ 105	8928
_____ 26	8704	_____ 66	8819	_____ 106	9001
_____ 27	8705	_____ 67	8820	_____ 107	9002
_____ 28	8706	_____ 68	8821	_____ 108	9003
_____ 29	8707	_____ 69	8822	_____ 109	9004
_____ 30	8708	_____ 70	8823	_____ 110	9005
_____ 31	8709	_____ 71	8824	_____ 111	9006
_____ 32	8710	_____ 72	8825	_____ 112	9007
_____ 33	8711	_____ 73	8826	_____ 113	9008
_____ 34	8712	_____ 74	8827	_____ 114	9009
_____ 35	8713	_____ 75	8828	_____ 115	9010
_____ 36	8714	_____ 76	8829	_____ 116	9011
_____ 37	8715	_____ 77	8830	_____ 117	9012
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___126	9021	___160	9120	___194	9406
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___142	9102	___176	9304	___210	9507
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___144	9104	___178	9306	___212	9601
___145	9105	___179	9307	___213	9602
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___150	9110	___184	9312	___218	9607
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- ___ "Individuals and Families in Transition: Understanding Change Through Longitudinal Data"
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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 have 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 1993 Panel, Wave 7 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 purchased their file or technical documentation from the Census Bureau.

**SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)
1993 WAVE 7 TOPICAL MODULE MICRODATA FILE**

User Note 1

Subject: Data Dictionary

Please replace the entire Data Dictionary with the attached revised copy. Corrections were made to accommodate the Data Extraction System (DES).

March 1998

**SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)
1993 WAVE 7 TOPICAL MODULE MICRODATA FILE**

User Note 2

Subject: Abstract Correction

Please replace the abstract in your technical documentation with the attached revised copy.

May 1998