

**SURVEY OF INCOME AND PROGRAM
PARTICIPATION (SIPP)
1987 FULL PANEL
MICRODATA RESEARCH FILE**

TECHNICAL DOCUMENTATION
SIPP-87-FPR



SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)

1987 FULL PANEL

MICRODATA RESEARCH FILE

TECHNICAL DOCUMENTATION

Washington, DC

1990

U.S. DEPARTMENT OF COMMERCE

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ACKNOWLEDGMENTS

This technical documentation was prepared within the Data Access and Use Staff, under the direction of James P. Curry, Chief, and Barbara J. Aldrich, Chief of its Technical Information Section. Ganny Burns was coordinator for this documentation. Donna Riccini, Chief of the Income Surveys Programming Branch in Demographic Surveys Division, provided the unformatted data dictionary file. Clerical support was provided by Virginia Collins and Bobble Shugart also of the Data Access and Use Staff.

The file should be cited as follows:

Survey of Income and Program Participation (SIPP) 1987 Full Panel Microdata Research File /prepared by the Data User Services Division, Bureau of the Census. -- Washington: The Bureau, 1990.

The technical documentation should be cited as follows:

Survey of Income and Program Participation (SIPP) 1987 Full Panel Microdata Research File Technical Documentation /prepared by the Data User Services Division, Bureau of the Census. -- Washington: The Bureau, 1990.

For additional information concerning the file, contact the SIPP Research and Coordination Staff, Bureau of the Census, Washington, DC 20233. Phone: (301) 763-8383.

For additional information concerning the technical documentation, contact Data User Services Division, Data Access and Use Staff, Bureau of the Census, Washington, DC. Phone: (301) 763-2074.

For additional information concerning statistical estimation and the use of longitudinal person weights for estimating panel, calendar year 1987, and calendar year 1988 persons characteristics, contact the Statistical Methods Division, Survey of Income and Program Participation Branch. Phone: (301) 763-7944.

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ABSTRACT

Survey of Income and Program Participation (SIPP) 1987 Full Panel Microdata Research File (machine-readable data file) / conducted by the U.S. Bureau of the Census. -Washington: The Bureau [producer and distributor], 1990.

Type of File:

Microdata; unit of observation is an individual.

Universe Description:

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

Subject-Matter Description:

The file contains basic demographic, social, and economic characteristics data for each member of the household during the first seven interviews of the 1987 Panel of the Survey of Income and Program Participation (SIPP). These 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, household relationship, education, and veteran status. Limited data are provided on housing unit characteristics such as units in structure and tenure. Core questions, which are repeated at each interview, cover monthly labor force activity, types and amounts of monthly income, and participation in various cash and noncash benefit programs for each month of the survey period. Data for employed persons include number of hours and weeks worked, earnings, and weeks without a job. Nonworkers are classified as unemployed or not in the labor force. In addition to income data associated with labor force activity, data include nearly 50 other types of income.

The file provides a set of monthly observations covering seven interviews of the 1987 Panel. The time span covered by the file varies depending on the rotation group to which the respondent belongs. Since the sample was divided into four approximately equal groups or rotations and one group (having a reference period of the four previous months) was interviewed each month, the panel contains four different time spans. They are October 1985 to February 1989, November 1985 to March 1989, December 1985 to April 1989, and January 1987 to January 1989 (see Table 1 on page 1-3).

This documentation presents information designed to provide the basis for longitudinal household analyses using SIPP data. It presents pertinent concepts and a discussion of the five variables which can be used to identify longitudinal households, and persons in longitudinal households. These variables are explained in more detail in the description of variables for longitudinal household research.

Geographic Coverage:

United States. Codes are included for 41 individual States, 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.

Technical Description:

File Structure: This is a rectangular (flat) file with one record for each person who, at anytime during the life of the 1987 Panel (October 1986 to April 1989), was a member of an interviewed household.

File Size: The file contains 35,944 records. Each record contains 12,572 characters.

File Sort Sequence: The file is in sort by the variables SU-ID, PP-ENTRY, and PP-PNUM.

Reference Materials:

Survey of Income and Program Participation (SIPP) 1987 Full Panel, Microdata Research File Technical Documentation. The documentation includes this abstract, the data dictionary, an index to the data dictionary, and general information relative to SIPP. One copy of the technical documentation accompanies each file order but also may be purchased separately for \$25 from Customer Services, Bureau of the Census, Washington, D.C. 20233.

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

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

The following order form can be used to purchase any of these.

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 Appendix B of the Users' Guide that accompanies the documentation for ordering information on all related printed reports. Appendix D of this documentation contains a listing and ordering information for SIPP working papers.

Related Machine-Readable Data Files:

SIPP files from the 1987 Panel Waves 1-5 and 7, 1986 Panel Waves 1-7, 1985 Panel Waves 1-8 and 1984 Panel Waves 1-9, are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. The 1984, 1985, 1986, and 1987 Full Panel Research Files also are available from Customer Services. See the following pages for order forms.

File Availability:

SIPP 1987 Full Panel Research File is available from Customer Services, Data User Services Division, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-4100. The file may be ordered using the order form that follows. The file is available on 3 reels at 6250 bpi for \$525. In addition to the data file, an ASCII file containing a variable listing showing all repetitions of each variable in the data dictionary is included. A description of this file is included in Appendix E of this documentation. Also, a machine-readable dictionary is contained at the end of reel 3. It is also available separately for \$175 on 1 reel.

Table 1. Reference Months for Each Interview Month - 1987 Longitudinal Panel File

Month of Interview	Wave	Rotation Group	Reference Month			
			(1986)	(1987)	(1988)	(1989)
February 1987	1	2	Oct, Nov, Dec, Jan			
March	1	3	Nov, Dec, Jan, Feb			
April	1	4	Dec, Jan, Feb, Mar			
May	1	1	Jan, Feb, Mar, Apr			
June	2	2	Feb, Mar, Apr, May			
July	2	3	Mar, Apr, May, Jun			
August	2	4	Apr, May, Jun, Jul			
September	2	1	May, Jun, Jul, Aug			
October	3	2	Jun, Jul, Aug, Sept			
November	3	3	Jul, Aug, Sept, Oct			
December	3	4	Aug, Sept, Oct, Nov			
January 1988	3	1	Sept, Oct, Nov, Dec			
February	4	2	Oct, Nov, Dec, Jan			
March	4	3	Nov, Dec, Jan, Feb			
April	4	4	Dec, Jan, Feb, Mar			
May	4	1	Jan, Feb, Mar, Apr			
June	5	2	Feb, Mar, Apr, May			
July	5	3	Mar, Apr, May, Jun			
August	5	4	Apr, May, Jun, Jul			
September	5	1	May, Jun, Jul, Aug			
October	6	2	Jun, Jul, Aug, Sept			
November	6	3	Jul, Aug, Sept, Oct			
December	6	4	Aug, Sept, Oct, Nov			
January 1989	6	1	Sept, Oct, Nov, Dec			
February	7	2	Oct, Nov, Dec, Jan			
March	7	3	Nov, Dec, Jan, Feb			
April	7	4	Dec, Jan, Feb, Mar			
May	7	1	Jan, Feb, Mar, Apr			

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FILE INFORMATION

Geographic Coverage

State codes are shown except for nine States which are identified in three groups. The sample was not designed to produce State or MSA/CMSA level estimates. State codes are primarily useful in relating a respondent's recpiency of benefits to thresholds which may vary from State to State.

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; for example 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 \$8,333 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).

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

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

Use of Weights

Information concerning the use of sample weights to create population estimates, the use of data from less than the full sample, and the calculation of sampling error for survey estimates is found in the Source and Accuracy Statement found in chapter 9 of the technical documentation.

Limitations

The Census Bureau has released the 1987 Full Panel file for research to improve understanding and analysis of SIPP data. Results of research using this file will lead to improvements in the quality of SIPP data and future products.

The longitudinal edits and imputations for item nonresponse and the adjustment factors for complete interview nonresponse used to develop this file are preliminary; and a detailed evaluation of the quality of the estimates derived from the file is not yet available. For these reasons, the Census Bureau regards the data on the file as preliminary and not for citation as official estimates.

The Census Bureau encourages users of this file to identify the data source and its limitations in any report using data from this file or its extracts by including the following paragraph in any such report:

"This report uses data from the Survey of Income and Program Participation 1987 Full Panel Research File, which was released by the Census Bureau for research to improve understanding and analysis of SIPP data. The data on the file are preliminary and should be analyzed and interpreted with caution. At the time the file was created, the Census Bureau was still exploring certain unresolved technical and methodological issues associated with the creation of this data set. The Census Bureau does not approve or endorse the use of these data for official estimates."

LONGITUDINAL HOUSEHOLD RESEARCH USING THIS FILE

Introduction

This chapter presents information designed to provide the basis for longitudinal household analyses using SIPP data. It presents pertinent concepts and a discussion of the five variables which can be used to identify longitudinal households, and persons in longitudinal households.

Longitudinal Household Definition

A longitudinal household is defined as follows:

1. It is a household which existed during at least one month.
2. The household continues from one month to the next if it has the same household reference person (henceforth referred to as "householder") and householder's spouse (if present in the household), and if it is the same household type.
3. The householder (or spouse of householder) must be a 100-level person, that is, a person who was a member of a household interviewed during the first wave for this to be considered a longitudinal household.
4. The household types are married-couple household; other family household, male householder; other family household, female householder; nonfamily household, male householder; nonfamily household, female householder.

Longitudinal Household Variables

Several variables are included on the longitudinal research file for use in analysis of longitudinal households. These variables were calculated for and placed on each person's monthly records for the months that they were in sample. The longitudinal household variables are LGTHHTYP (which identifies the type of longitudinal household); LGTKEY (identifies the household number on the householder's record and, if a spouse of the householder is present, on the spouse's record); LGTOTH (identifies the household number on the records of persons who were not the householder or the spouse of the householder in that longitudinal household); and, LGTFAC1 and LGTFAC2, two experimental factors for use in weighting longitudinal households.

For information on the use of the longitudinal household variables, contact Donald Hernandez in Population Division, U.S. Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-7987.

Longitudinal Adjustment Factors

LGTFAC1 and LGTFAC2 are experimental factors intended to provide the basis for exploratory household estimates. The "Source and Accuracy" chapter in this document provides information on their use.

Use of Longitudinal Household Variables

Longitudinal households can be constructed by examining all the records within one original sample unit, "SU-ID." For each month link together all persons in that SU-ID who have the non-zero LGTKEY or LGTOTH value. Then link together all these persons' records for each month that they have the same nonzero value for LGTKEY or LGTOTH. Longitudinal household analyses may then be performed on these records remembering to use the weight LGTFAC1 or LGTFAC2 from only one household member.

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Analyses of longitudinal households should be conducted using a specially constructed extract subfile. This subfile might include household variables based on characteristics of some or all of the members of the longitudinal household during a given month or other time period, but the subfile should include only one record per longitudinal household per month (or other time period, depending on the analytical unit of time of interest to the user). Since this research file is a "person record" file, it would be incorrect to use every record in the file for a household analysis. If each person record were used as if it were a household record, results would be incorrect because each household would be represented in the analysis "x" times, where "x" is the number of household members in the household during a specified month.

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. 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.

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.

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.

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 a job but who responded that they had 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.

Married-couple family. A married couple, as defined for census purposes, is a husband and wife enumerated as members of the same household. The married couple may or may not have children living with them. The expression "husband-wife" or "married-couple" before the term "household," or "family" indicates that the household, or family, is maintained by a husband and wife.

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 A-3.

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 A-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, KEOGH 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 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.

Other family type. These include families in which the householder is a woman with no husband present and families in which the householder is a man with no wife present.

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.'

Related subfamily. A related subfamily is a subfamily whose members are related to the person or couple maintaining the household. The most common example of a related subfamily is a young married couple sharing the home of the husband's or wife's parents. Members of a related subfamily are also members of the householder's family.

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.

Subfamily. A subfamily is a married couple with or without children, or one parent with one or more own single children under 18 years old living in a household but not including among its members the person or couple maintaining the household. Because a subfamily does not include a householder, it is by definition excluded from the count of families. There are two kinds of subfamilies, related and unrelated.

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.

Unrelated individuals. The term "unrelated individuals" refers to persons 15 years old and over (other than inmates of institutions) who are not living with any relatives. An unrelated individual may (1) constitute a one-person household, (2) be part of a household including one or more other families or unrelated individuals, or (3) reside in group quarters such as a rooming house. Thus, a widow living by herself or with one or more other persons not related to her, a lodger not related to the householder or to anyone else in the household, and a servant living in an employer's household with no relatives are examples of unrelated individuals. The poverty status of unrelated individuals is determined independently of other household members' incomes.

Unrelated subfamily. Unrelated subfamilies are not included in the count of families, nor are the members of unrelated subfamilies included in the count of family members. An unrelated subfamily is a subfamily whose members are not related to the person or couple maintaining the household. Members of unrelated subfamilies may include such persons as guests, lodgers, or resident employees and their relatives living in a household. Unrelated subfamily members are not part of the householder's family. Even though unrelated subfamilies are not counted as families, they are treated as families for the purpose of determining whether their members are above or below the poverty level.

With a Job. Persons are classified 'with a job' in a given month if they were 15 years old or over and, during the month, either (a) worked as paid employees or worked in their own business or profession or on their own farm or worked without pay in a family business or farm or (b) were temporarily absent from work either with or without pay. In general, the word 'job' implies an arrangement for regular work for pay where payment is in cash wages or salaries, at piece rates, in tips, by commission, or in kind (meals, living quarters, supplies received). 'Job' also includes self-employment at a business, professional practice, or farm. A business is defined as an activity which involves the use of machinery or equipment in which money has been invested or an activity requiring an office or 'place of business' or an activity which requires advertising; payment may be in the form of profits or fees.

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

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

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

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

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

ESTIMATION PROCEDURES

Estimation. Consult the Source and Accuracy Statement for the SIPP 1987 Panel Research File (Chapter 9) for information on data collection and estimation. Note that sample households within the panel are divided into four subsamples of nearly equal size. These subsamples are called rotation groups 1, 2, 3, or 4 and one rotation group is interviewed each month. Each household in the sample was scheduled to be interviewed at 4 month intervals over a period of roughly 2 1/2 years beginning in February 1987. The reference period for the questions is the 4-month period preceding the interview month. In general, one cycle of four rotation groups covering the entire sample, using the same questionnaire, is called a wave.

The period covered by the 1987 Panel Research File consists of 28 interview months (seven interviews) for rotations 1, 2, 3, and 4 of the survey conducted from February 1987 to May 1989. Data for up to 31 reference months are available for persons on the file. Specific months available depends on the person's rotation group and his/her sample entry or exit date. However, data from all four rotation groups (i.e., the full sample) are available only for reference months January 1987 through December 1989, inclusive. For information on the adjustment of estimates which use less than the full sample, see the source and accuracy statement in Chapter 9 of the technical documentation.

INDEX TO SIPP 1987 FULL PANEL RESEARCH FILE

Description	Mnemonic	Start	Total Length	Field Length	No. of Fields
Address ID of Household	HH-ADDID	28	64	2	32
Address ID of Household Person Lived at in Interview Month	ADDIDS	2054	16	2	8
AFDC Coverage	AFDC	10841	32	1	32
AFDC Coverage, Index Number of Person	AFDCPIDX	11549	64	2	32
Age Last Birthday, Edited and Imputed	AGE	1272	64	2	32
Age: Month of Birth	BRTHMN	1848	2	2	1
Age: Year of Birth, Pre-edited	BPTHYR	1850	4	4	1
Armed Forces Period of Service-First Period	U-SRVDY1	1824	8	1	8
Armed Forces Period of Service-Second Period	U-SRVDY2	1832	8	1	8
Armed Forces Period of Service-Third Period	U-SRVDY3	1840	8	1	8
Armed Forces Spouse in Armed Forces	SC1698	2384	8	1	8
Armed Forces Status	IN-AF	1816	8	1	8
Armed Forces, Ever Served	U-VET	1808	8	1	8
Armed Forces, Length of Service	SC1332	2212	2	2	1
Armed Forces: Death of Husband Service-Related Injury	SC1456	2225	1	1	1
Breakfasts Free or Reduced-price	H-BREAK	2158	8	1	8
Business ID Self Employed Bus. 1	SE1-2302	8865	64	2	32
Business ID Self Employed Bus. 2	SE2-2302	6729	64	2	32
Certificates of Deposit ISS Code 102	ASST102	9407	8	1	8
CHAMPUS Payments Coverage	CHAMPUS	11197	32	1	32
CHAMPVA Payments Coverage	CHAMPVA	11229	32	1	32
Disability That Limits Type of Work	DISAB	2231	1	1	1
Dividends From Stocks or Mutual Fund Shares	G2SFC110	9497	1	1	1
Earnings Job 1 This Month (\$)	WS1-AMT	5897	192	6	32
Earnings Job 2 This Month (\$)	WS2-AMT	6059	192	6	32
Earnings, Person's Total (\$)	PP-EARN	2648	224	7	32
Education: Grade Completed	GRD-CMPL	1800	8	1	8
Education: Highest Grade Attended	HIGRADE	1784	16	2	8
Educational Assist-Suppl Educ. Opportunity Grant (SEOG)	SC1680	2328	8	1	8
Educational Assistance, Fellowship or Scholarship	SC1690	2368	8	1	8
Educational Assistance-College Work Study	SC1676	2312	8	1	8
Educational Assistance-Employer Assistance	SC1688	2350	8	1	8
Educational Assistance-Gl Bill	SC1672	2296	8	1	8
Educational Assistance-Guaranteed Student Loan	SC1684	2344	8	1	8
Educational Assistance-JTPA Training	SC1686	2352	8	1	8
Educational Assistance-National Direct Student Loan (NSL)	SC1682	2336	8	1	8
Educational Assistance-Other Financial Aid	SC1692	2376	8	1	8
Educational Assistance-Other Veteran's	SC1674	2304	8	1	8
Educational Assistance-Pell Grant	SC1678	2320	8	1	8
Educational Financing: GI Bill Pell Grant, SEOG, ET AL	ED-FINAN	2288	8	1	32
Employee: Type of Business Job 1	WS1-CLS	5385	32	1	32
Employee: Type of Business Job 2	WS2-CLS	5417	32	1	32
Employer ID Job 1	WS1-EID	5257	64	2	32
Employer ID Job 2	WS2-EID	5321	64	2	32
Employment Status Recode	ESR	5081	32	1	32
Energy Assistance Received	ENRGY-YN	2070	8	1	8
Energy Assistance, Amount	H4824	2086	48	6	8
Energy Assistance, Type	H-ENRGY	2078	8	1	8
Entry Address ID of Designated Parent/Guardian	ENTID-GD	1878	16	2	8
Entry Address ID of Parent	ENTID-PT	1720	64	2	32
Entry Address ID of Person Edited	PP-ENTRY	17	2	2	1
Entry Address ID of Spouse	ENTID-SP	1650	64	2	32
Ethnic Origin	ETHNICTY	1238	2	2	1
Family Number if In A Subfamily/	FAMNUM	1432	32	1	32
Family Relationship Code if In Subfamily/	FAMREL	1400	32	1	32
Family Type	FAMTYP	1368	32	1	32
Food Stamps Coverage	FOODSTP	10973	32	1	32
Food stamps Coverage, Index Number of Person	FS-PIDX	11869	64	2	32
Foster Child Care Payments Coverage	FOST-KID	11037	32	1	32
Foster Children Income Coverage, Index Number of Person	FOSTPIDX	11677	64	2	32
General Assistance Coverage, Index Number of Person	GA-PIDX	11613	64	2	32

SIPP 1987 FULL PANEL

Description	Mnemonic	Start	Total Length	Field Length	No. of Fields
General Assistance Income Coverage	GEN-ASST	11005	32	1	32
Half Sample Code for Variance Estimation	HSC	241	1	1	1
Health Insurance in Own Name	HROWNCOV	11251	32	1	32
Health Insurance in Someone Else's Name	HI-OTCOV	11293	32	1	32
Health Insurance Obtained Thru Employer	HIEMPLYR	11325	32	1	32
Hourly Pay Rate Job 1	WS1-2028	6408	128	4	32
Hourly Pay Rate Job 2	WS2-2128	8537	128	4	32
Hours Worked Per Week During Reference Period	SCT230	5241	16	2	8
Hours Worked Per Week Job 1	WS1-2024	6281	64	2	32
Hours Worked Per Week Job 2	WS2-2124	8345	64	2	32
Hours Worked Per Week Self Employed Bus. 1 Each Month	SE1-2212	7825	64	2	32
Hours Worked Per Week Self Employed Bus. 2 Each Month	SE2-2312	7889	64	2	32
Household Interview Status Code	HHINSTAT	138	64	2	32
Housing or Other Unit (Apt, Trailer, etc.)	U-LVQTR	1884	64	2	32
Imputation Flag (100)—Interest From Savings Accounts, etc.	G2IMP100	12381	32	1	32
Imputation Flag (104)—Interest From Market Funds, Bonds, etc.	G2IMP104	12413	32	1	32
Imputation Flag (110)—Dividends	G2IMP110	12446	32	1	32
Imputation Flag (120)—Rental Property	G2IMP120	12477	32	1	32
Imputation Flag (130)—Mortgage Interest Income	G2IMP130	12508	32	1	32
Imputation Flag (140)—Royalty Income	G2IMP140	12541	32	1	32
Imputation Flag—Income Source 1	G1-IMP1	12061	32	1	32
Imputation Flag—Income Source 10	G1-IMP10	12349	32	1	32
Imputation Flag—Income Source 2	G1-IMP2	12093	32	1	32
Imputation Flag—Income Source 3	G1-IMP3	12125	32	1	32
Imputation Flag—Income Source 4	G1-IMP4	12157	32	1	32
Imputation Flag—Income Source 5	G1-IMP5	12189	32	1	32
Imputation Flag—Income Source 6	G1-IMP6	12221	32	1	32
Imputation Flag—Income Source 7	G1-IMP7	12253	32	1	32
Imputation Flag—Income Source 8	G1-IMP8	12285	32	1	32
Imputation Flag—Income Source 9	G1-IMP9	12317	32	1	32
Imputation Flag—Job 1	WS1-IMP	11933	32	1	32
Imputation Flag—Job 2	WS2-IMP	11965	32	1	32
Imputation Flag—Self Employed Bus. 1	SE1-IMP	11997	32	1	32
Imputation Flag—Self Employed Bus. 2	SE2-IMP	12029	32	1	32
Income Amount (\$) Source 1	G1-AMT1	7773	160	5	32
Income Amount (\$) Source 10	G1-AMT10	9213	160	5	32
Income Amount (\$) Source 2	G1-AMT2	7933	160	5	32
Income Amount (\$) Source 3	G1-AMT3	8093	160	5	32
Income Amount (\$) Source 4	G1-AMT4	8253	160	5	32
Income Amount (\$) Source 5	G1-AMT5	8413	160	5	32
Income Amount (\$) Source 6	G1-AMT6	8573	160	5	32
Income Amount (\$) Source 7	G1-AMT7	8733	160	5	32
Income Amount (\$) Source 8	G1-AMT8	8893	160	5	32
Income Amount (\$) Source 9	G1-AMT9	9053	160	5	32
Income From Mm Funds, Bonds, Other—Type 104 - 107	G2AMT104	9725	224	7	32
Income From Mortgages Held—Type 130	G2AMT130	10387	224	7	32
Income From Rental Property—Type 120	G2AMT120	10173	224	7	32
Income From Royalties, Other Finan. Investment—Type 140 - 150	G2AMT140	10621	224	7	32
Income From Savings Accounts, etc.—Type 100 - 103	G2AMT100	9501	224	7	32
Income From Self Employed Bus. 1 (\$) Each Month	SE1-AMT	7241	192	6	32
Income From Self Employed Bus. 2 (\$) Each Month	SE2-AMT	7433	192	6	32
Income From Stocks, Mutual Shares—Type 110	G2AMT110	9949	224	7	32
Income Source 1	G1SRC1	7763	2	2	1
Income Source 10	G1SRC10	7771	2	2	1
Income Source 2	G1SRC2	7758	2	2	1
Income Source 3	G1SRC3	7757	2	2	1
Income Source 4	G1SRC4	7759	2	2	1
Income Source 5	G1SRC5	7761	2	2	1
Income Source 6	G1SRC6	7763	2	2	1
Income Source 7	G1SRC7	7765	2	2	1
Income Source 8	G1SRC8	7767	2	2	1
Income Source 9	G1SRC9	7769	2	2	1
Income, Family Earnings-Total (\$)	FF-EARN	3128	192	6	32
Income, Family Income-Other (\$)	FF-OTHR	3704	192	6	32

Description	Mnemonic	Start	Total Length	INDEX	
				Field Length	No. of Fields
Income, Family Means-tested Transfers (\$)	FF-TRAN	8612	192	8	32
Income, Family Property Income (\$)	FF-PROP	3320	192	6	32
Income, Family Total (\$)	FF-INC	2872	256	8	32
Income, Household Earnings (\$)	HH-EARN	4152	192	6	32
Income, Household Means-tested Transfers (\$)	HH-TRAN	4536	192	6	32
Income, Household Other (\$)	HH-OTHR	4728	192	6	32
Income, Household Property Income (\$)	HH-PROP	4344	192	6	32
Income, Household Total (\$)	HH-INC	3886	256	8	32
Income, Person's (\$)	PP-INC	2392	256	8	32
Industry Code Job 1, Edited and Imputed	WS1-IND	5641	96	3	32
Industry Code Job 2, Edited and Imputed	WS2-IND	5737	96	3	32
Industry Recode Self Employed Bus. 1, Edited and Imputed	SE1-IND	7049	64	2	32
Industry Recode Self Employed Bus. 2, Edited and Imputed	SE2-IND	7113	64	2	32
Interest Earning Assets, Other-ISS Code 107	ASST107	9447	8	1	8
Interest From Money Mkt., Bonds, etc.-recode	G2SRC104	9496	1	1	1
Interest From Savings, Money Market Deposits, etc.-recode	G2SRC100	9495	1	1	1
Interest Income From Mortgages Held	G2SRC130	9499	1	1	1
Living Quarters Status	TENURE	1958	32	1	32
Long. Adjustment Factor Number 1	LGTFAC1	486	384	12	32
Long. Adjustment Factor Number 2	LGTFAC2	852	384	12	32
Longitudinal "Other" Person (Not A Key Person) Indicator	LGTOH	372	96	3	32
Longitudinal Household Type	LGTHHTYP	244	32	1	32
Longitudinal Key Person Indicator	LQTKEY	276	96	3	32
Low Income Cutoff for Family	FF-POV3	4920	160	5	32
Lower Rent/govt Subsidy	LOW-RENT	2022	32	1	32
Lunches Free or Reduced-price	H-LUNCH	2134	8	1	8
Marital Status	MS	1336	32	1	32
Medicaid Coverage	CAIDGOV	10877	32	1	32
Medicare Coverage	CARECOV	10845	32	1	32
Medicare Coverage, Recodes	MEDCODE	2228	2	2	1
Medicare Coverage, Type	SC1468	2228	1	1	1
Medicare Payment of Doctor Bills	SC1472	2229	2	2	1
Money Market Accounts ISS Code 101	ASST101	9399	8	1	8
Money Market Funds ISS Code 104	ASST104	9423	8	1	8
Mortgages ISS Code 130	ASST130	9471	8	1	8
Municipal or Corporate Bonds ISS Code 108	ASST106	9439	8	1	8
New Accounts ISS Code 103	ASST103	9415	8	1	8
Number of Children Eating Lunch Free or Reduced-price	H-4834	2142	16	2	8
Number of Children With Free or Reduced Breakfast	H-4830	2166	16	2	8
Occupation Code Job 1, Edited and Imputed	WS1-OCC	5449	96	3	32
Occupation Code Job 2, Edited and Imputed	WS2-OCC	5545	96	3	32
Occupation Code Self Employed Bus. 1 Edited and Imputed	SE1-OCC	6857	96	3	32
Occupation Code Self Employed Bus. 2, Edited and Imputed	SE2-OCC	6953	96	3	32
Other Financial Investments, Other-ISS Code 150	ASST150	9487	8	1	8
Other Welfare Coverage, Index Number of Person	OTH-PIBX	11741	64	2	32
Other Welfare Payments Coverage	OTH-WELF	11069	32	1	32
Person Number of Parent	PNPT	1624	96	3	32
Person Number of Parent/Guardian, Predicted	U-PNGD	1854	24	3	8
Person Number of Spouse	PNSP	1484	96	3	32
Person Number, Edited	PP-PNUM	19	3	3	1
Person Records in Sample Unit	SU-TOTPP	22	2	2	1
Person's Interview Status	PP-INTVW	90	8	1	8
Person's Interview Status	PP-MIS	98	32	1	32
Person's Panel Weight	PNLWGT	202	12	12	1
Person's Weight for Calendar Year 1986	PNLWGT86	214	12	12	1
Person's Weight for Calendar Year 1987	PNLWGT87	226	12	12	1
Public Housing Project Residence	PUBHS	1890	32	1	32
Public Housing Unit	PUBRNTYN	2162	1	1	1
Public Housing Unit, if Rent Not Govt Subsidy	FULLRENT	2190	6	6	1
Public Housing Unit, Monthly Rent	PUBRNAMT	2183	6	6	1
Public Housing Unit, Utility Payment	UTLFAYYN	2189	1	1	1
Race, Edited and Imputed	RACE	1237	1	1	1
Railroad Retirement Coverage, Index Number of Person	RR-PIBX	11421	64	2	32

SIPP 1987 FULL PANEL

Description	Mnemonic	Start	Total Length	Field Length	No. of Fields
Railroad Retirement Payments Coverage	RAILRD	11133	32	1	32
Railroad Retirement Reciprocity Indicator	RRRECIND	8381	8	1	8
Reason for Leaving the Household Control Card Item 23	REASLEFT	130	8	1	8
Reduction Group Code for Sample Reduction	SU-RGC	238	3	3	1
Relationship to Reference Person, Edited	RFP	1240	32	1	32
Rental Property ISS Code 120	ASST120	9483	8	1	8
Rental Property Net Income	G2SRC120	8498	1	1	1
Retired From a Job or Business	SC1380	2233	1	1	1
Rotation Group Number	ROT	7	1	1	1
Royalties and Other Financial Investments	G2SRC140	9500	1	1	1
Royalties ISS Code 140	ASST140	8479	8	1	8
Sample Indicator	TELEPHON	5080	1	1	1
Sample Unit Identifier	SU-ID	8	9	9	1
Savings Accounts ISS Code 100	ASST100	9891	8	1	8
School Enrollment - Full time/Part time	ATT-SCHL	2332	8	1	8
School Enrollment by Month	ENRL-MTH	2240	32	1	32
School Enrollment Grade Level	ED-LEVEL	2272	16	2	8
Sequence Number of Person in Sample Unit	PP-RCSEQ	24	2	2	1
Sequence Number of Person, Primary Sort Key	SUSEQNUM	1	6	6	1
Sex, Edited and Imputed	SEX	1236	1	1	1
Social Security Coverage, Index Number of Person	SS-PIDX	11357	64	2	32
Social Security Payments Coverage	SOC-SEC	11101	32	1	32
Social Security Reciprocity Indicator	SSRECIND	9373	8	1	8
Social Security, Another Reason for Income	SC1348	2221	2	2	1
Social Security, Reason for Income	SC1346	2219	2	2	1
State Code From the Grn File	STATE	2196	16	2	8
Stocks or Mutual Funds ISS Code 110	ASST110	9455	8	1	8
Stratum Code for Variance Estimation	STRAT	242	2	2	1
Type of Business Self Employed Bus. 1	SE1-TYP	6793	32	1	32
Type of Business Self Employed Bus. 2	SE2-TYP	6825	32	1	32
U.S. Government Securities ISS Code 105	ASST105	9431	8	1	8
Veteran Disability Rating	SC1335	2216	3	3	1
Veteran Service Connected Disability	SC1334	2214	2	2	1
Veterans Payments Coverage	VETS	11185	32	1	32
Veterans Annual Va Income Questionnaire	VET3060	9388	2	2	1
Vets Coverage, Index Number of Person	VA-PIDX	11485	64	2	32
Weeks Employed Job 1 This Month	WS1-WKS	5833	32	1	32
Weeks Employed Job 2 This Month	WS2-WKS	5865	32	1	32
Weeks in Each Month of Reference Period	WKSPER	5113	32	1	32
Weeks Looking for Work or on Layoff	WEEKSLK	6209	32	1	32
Weeks With a Job or Business	WKSJB	5145	32	1	32
Weeks With Self Employed Bus. 1 Each Month	SE1-WKS	7177	32	1	32
Weeks With Self Employed Bus. 2 Each Month	SE2-WKS	7209	32	1	32
Weeks Without Pay, at a Job or Business	MTHWOPWK	5177	32	1	32
WIC Coverage	WICDOV	10909	32	1	32
WIC Coverage, Index Number of Person	WIC-PIDX	11805	64	2	32
Widowed or Divorced	SC1418	2224	1	1	1

VARIABLE LISTING TO SIPP 1987 FULL PANEL RESEARCH FILE

Mnemonic	Description	Start	Total Length	Field Length	No. of Fields
ADDID5	Address ID of Household Person Lived at in Interview Month	2054	16	2	8
AFDC	AFDC Coverage	10941	32	1	32
AFDCPIDX	AFDC Coverage, Index Number of Person	11548	64	2	32
AGE	Age Last Birthday, Edited and Imputed	1272	64	2	32
ASST100	Savings Accounts ISS Code 100	9391	8	1	8
ASST101	Money Market Accounts ISS Code 101	9399	8	1	8
ASST102	Certificates of Deposit ISS Code 102	9407	8	1	8
ASST103	Now Accounts ISS Code 103	9415	8	1	8
ASST104	Money Market Funds ISS Code 104	9423	8	1	8
ASST105	U.S. Government Securities ISS Code 105	9431	8	1	8
ASST106	Municipal or Corporate Bonds ISS Code 106	9439	8	1	8
ASST107	Interest Earning Assets, Other-ISS Code 107	9447	8	1	8
ASST110	Stocks or Mutual Funds ISS Code 110	9455	8	1	8
ASST120	Rental Property ISS Code 120	9463	8	1	8
ASST130	Mortgages ISS Code 130	9471	8	1	8
ASST140	Royalties ISS Code 140	9479	8	1	8
ASST150	Other Financial Investments, Other-ISS Code 150	9487	8	1	8
ATT-SCHL	School Enrollment - Full time/Part time	2232	8	1	8
BIRTHMN	Age: Month of Birth	1846	2	2	1
BIRTHYR	Age: Year of Birth, Pre-edited	1850	4	4	1
CAIDCOV	Medicaid Coverage	10877	32	1	32
CARECOV	Medicare Coverage	10945	32	1	32
CHAMPUS	CHAMPUS Payments Coverage	11197	32	1	32
CHAMPVA	CHAMPVA Payments Coverage	11229	32	1	32
DISAB	Disability That Limits Type of Work	2231	1	1	1
ED-FINAN	Educational Financing: GI Bill Pell Grant, SEOG, ET AL	2288	8	1	8
ED-LEVEL	School Enrollment Grade Level	2272	16	2	8
ENRGY-YN	Energy Assistance Received	2070	8	1	8
ENRL-MTH	School Enrollment by Month	2240	32	1	32
ENTID-GD	Entry Address ID of Designated Parent/Guardian	1878	16	2	8
ENTID-PT	Entry Address ID of Parent	1720	64	2	32
ENTID-SP	Entry Address ID of Spouse	1560	64	2	32
ESR	Employment Status Recode	6081	32	1	32
ETHNICITY	Ethnic Origin	1238	2	2	1
FAMNUM	Family Number if in A Subfamily/	1432	32	1	32
FAMREL	Family Relationship Code if in Subfamily/	1400	32	1	32
FAMTYP	Family Type	1358	32	1	32
FF-EARN	Income, Family Earnings-Total (\$)	3128	192	6	32
FF-INC	Income, Family Total (\$)	2872	256	8	32
FF-OTHR	Income, Family Income-Other (\$)	3704	192	6	32
FF-POVS	Low Income Cutoff for Family	4920	160	5	32
FF-PROP	Income, Family Property Income (\$)	3320	192	6	32
FF-TRAN	Income, Family Means-tested Transfers (\$)	3512	192	6	32
FNLWGT86	Person's Weight for Calendar Year 1986	214	12	12	1
FNLWGT87	Person's Weight for Calendar Year 1987	226	12	12	1
FOODSTP	Food Stamps Coverage	10973	32	1	32
FOST-KID	Foster Child Care Payments Coverage	11037	32	1	32
FOSTPIDX	Foster Children Income Coverage, Index Number of Person	11677	64	2	32
FS-PIDX	Food stamps Coverage, Index Number of Person	11809	64	2	32
FULLRENT	Public Housing Unit, if Rent Not Govt Subsidy	2190	8	6	1
G1-AMT1	Income Amount (\$) Source 1	7773	160	5	32
G1-AMT10	Income Amount (\$) Source 10	9213	160	5	32
G1-AMT2	Income Amount (\$) Source 2	7933	160	5	32
G1-AMT3	Income Amount (\$) Source 3	8093	160	5	32
G1-AMT4	Income Amount (\$) Source 4	8253	160	5	32
G1-AMT5	Income Amount (\$) Source 5	8413	160	5	32
G1-AMT6	Income Amount (\$) Source 6	8573	160	5	32
G1-AMT7	Income Amount (\$) Source 7	8733	160	5	32
G1-AMT8	Income Amount (\$) Source 8	8893	160	5	32
G1-AMT9	Income Amount (\$) Source 9	9053	160	5	32
G1-IMP1	Imputation Flag-Income Source 1	12061	32	1	32

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Mnemonic	Description	Start	Total Length	Field Length	No. of Fields
G1-IMP10	Imputation Flag-Income Source 10	12349	32	1	32
G1-IMP2	Imputation Flag-Income Source 2	12093	32	1	32
G1-IMP3	Imputation Flag-Income Source 3	12125	32	1	32
G1-IMP4	Imputation Flag-Income Source 4	12157	32	1	32
G1-IMP5	Imputation Flag-Income Source 5	12189	32	1	32
G1-IMP6	Imputation Flag-Income Source 6	12221	32	1	32
G1-IMP7	Imputation Flag-Income Source 7	12253	32	1	32
G1-IMP8	Imputation Flag-Income Source 8	12285	32	1	32
G1-IMP9	Imputation Flag-Income Source 9	12317	32	1	32
G1SRC1	Income Source 1	7753	2	2	1
G1SRC10	Income Source 10	7771	2	2	1
G1SRC2	Income Source 2	7755	2	2	1
G1SRC3	Income Source 3	7757	2	2	1
G1SRC4	Income Source 4	7759	2	2	1
G1SRC5	Income Source 5	7761	2	2	1
G1SRC6	Income Source 6	7763	2	2	1
G1SRC7	Income Source 7	7765	2	2	1
G1SRC8	Income Source 8	7767	2	2	1
G1SRC9	Income Source 9	7769	2	2	1
G2AMT100	Income From Savings Accounts, etc.-Type 100 - 103	9501	224	7	32
G2AMT104	Income From Mm Funds, Bonds, Other-Type 104 - 107	9725	224	7	32
G2AMT110	Income From Stocks, Mutual Shares-Type 110	9949	224	7	32
G2AMT120	Income From Rental Property-Type 120	10173	224	7	32
G2AMT130	Income From Mortgages Held-Type 130	10397	224	7	32
G2AMT140	Income From Royalties, Other Finan. Investment-Type 140 - 150	10621	224	7	32
G2IMP100	Imputation Flag (100)-Interest From Savings Accounts, etc.	12381	32	1	32
G2IMP104	Imputation Flag (104)-Interest From Market Funds, Bonds, etc.	12413	32	1	32
G2IMP110	Imputation Flag (110)-Dividends	12445	32	1	32
G2IMP120	Imputation Flag (120)-Rental Property	12477	32	1	32
G2IMP130	Imputation Flag (130)-Mortgage Interest Income	12509	32	1	32
G2IMP140	Imputation Flag (140)-Royalty Income	12541	32	1	32
G2SRC100	Interest From Savings, Money Market Deposits, etc.-recode	9495	1	1	1
G2SRC104	Interest From Money Mkt., Bonds, etc.-recode	9496	1	1	1
G2SRC110	Dividends From Stocks or Mutual Fund Shares	9497	1	1	1
G2SRC120	Rental Property Net Income	9498	1	1	1
G2SRC130	Interest Income From Mortgages Held	9499	1	1	1
G2SRC140	Royalties and Other Financial Investments	9500	1	1	1
GA-PIDX	General Assistance Coverage, Index Number of Person	11513	64	2	32
GEN-ASST	General Assistance Income Coverage	11005	32	1	32
GRD-CMPL	Education: Grade Completed	1800	8	1	8
H-4824	Energy Assistance, Amount	2086	48	6	8
H-4830	Number of Children With Free or Reduced Breakfast	2168	16	2	8
H-4834	Number of Children Eating Lunch Free or Reduced-price	2142	16	2	8
H-BREAK	Breakfasts Free or Reduced-price	2158	8	1	8
H-ENRGY	Energy Assistance, Type	2078	8	1	8
H-LUNCH	Lunches Free or Reduced-price	2134	8	1	8
HH-ADDID	Address ID of Household	28	64	2	32
HH-EARN	Income, Household Earnings (\$)	4152	192	6	32
HH-INC	Income, Household Total (\$)	3886	256	8	32
HH-OTHR	Income, Household Other (\$)	4728	192	6	32
HH-PROP	Income, Household Property Income (\$)	4344	192	6	32
HH-TRAN	Income, Household Means-tested Transfers (\$)	4536	192	6	32
HH-INSTAT	Household Interview Status Code	138	64	2	32
HI-OTCOV	Health Insurance in Someone Else's Name	11293	32	1	32
HI-EMPLYR	Health Insurance Obtained Thru Employer	11325	32	1	32
HIGRADE	Education: Highest Grade Attended	1784	16	2	8
HICWNCOV	Health Insurance in Own Name	11261	32	1	32
HSC	Half Sample Code for Variance Estimation	241	1	1	1
IN-AF	Armed Forces Status	1816	8	1	8
LGTFAC1	Long. Adjustment Factor Number 1	488	384	12	32
LGTFAC2	Long. Adjustment Factor Number 2	852	384	12	32
LGTHHTYP	Longitudinal Household Type	244	32	1	32
LGTKY	Longitudinal Key Person Indicator	276	56	3	32

VARIABLE LISTING

Mnemonic	Description	Start	Total Length	Field Length	No. of Fields
	Longitudinal "Other" Person (Not A Key Person) Indicator	372	96	3	32
LGTOTH	Lower Rent/govt Subsidy	2022	32	1	32
LOW-RENT	Medicare Coverage, Recodes	2226	2	2	1
MEDCODE	Marital Status	1338	32	1	32
MS	Weeks Without Pay, at a Job or Business	5177	32	1	32
MTHWOPWK	Other Welfare Coverage, Index Number of Person	11741	64	2	32
OTH-PIDX	Other Welfare Payments Coverage	11069	32	1	32
OTH-WELF	Person's Panel Weight	202	12	12	1
PNLWGT	Person Number of Parent	1824	96	3	32
PNPT	Person Number of Spouse	1484	96	3	32
PNSP	Earnings, Person's Total (\$)	2648	224	7	32
PP-EARN	Entry Address ID of Person Edited	17	2	2	1
PP-ENTRY	Income, Person's (\$)	2392	256	8	32
PP-INC	Person's Interview Status	90	8	1	8
PP-INTVW	Person's Interview Status	98	32	1	32
PP-MIS	Person Number, Edited	19	3	3	1
PP-PNUM	Sequence Number of Person in Sample Unit	24	2	2	1
PP-RCSEQ	Public Housing Project Residence	1990	32	1	32
PUBHS	Public Housing Unit, Monthly Rent	2163	6	6	1
PUBRNAMT	Public Housing Unit	2182	1	1	1
PUBRNTYN	Race, Edited and Imputed	1237	1	1	1
RACE	Railroad Retirement Payments Coverage	11133	32	1	32
RAURO	Reason for Leaving the Household Control Card Item 23	130	8	1	8
REASLEFT	Rotation Group Number	7	1	1	1
ROT	Railroad Retirement Coverage, Index Number of Person	11421	64	2	32
RR-PIDX	Relationship to Reference Person, Edited	1240	32	1	32
RRP	Railroad Retirement Reciprocity Indicator	9381	8	1	8
RRRECIND	Hours Worked Per Week During Reference Period	6241	16	2	8
SC1230	Armed Forces, Length of Service	2212	2	2	1
SC1332	Veteran Service Connected Disability	2214	2	2	1
SC1334	Veteran Disability Rating	2216	3	3	1
SC1336	Social Security, Reason for Income	2219	2	2	1
SC1346	Social Security, Another Reason for Income	2221	2	2	1
SC1348	Retired From a Job or Business	2223	1	1	1
SC1360	Widowed or Divorced	2224	1	1	1
SC1418	Armed Forces: Death of Husband Service-Related Injury	2225	1	1	1
SC1456	Medicare Coverage, Type	2228	1	1	1
SC1458	Medicare Payment of Doctor Bills	2229	2	2	1
SC1472	Educational Assistance-GI Bill	2296	8	1	8
SC1672	Educational Assistance-Other Veteran's	2304	8	1	8
SC1674	Educational Assistance-College Work Study	2312	8	1	8
SC1676	Educational Assistance-Pell Grant	2320	8	1	8
SC1678	Educational Assist-Suppl Educ. Opportunity Grant (SEOG)	2328	8	1	8
SC1680	Educational Assistance-National Direct Student Loan (NSL)	2336	8	1	8
SC1682	Educational Assistance-Guaranteed Student Loan	2344	8	1	8
SC1684	Educational Assistance-JTPA Training	2352	8	1	8
SC1686	Educational Assistance-Employer Assistance	2360	8	1	8
SC1688	Educational Assistance, Fellowship or Scholarship	2368	8	1	8
SC1690	Educational Assistance-Other Financial Aid	2376	8	1	8
SC1692	Armed Forces Spouse in Armed Forces	2384	8	1	8
SC1696	Business ID Self Employed Bus. 1	6655	64	2	32
SE1-2202	Hours Worked Per Week Self Employed Bus. 1 Each Month	7625	64	2	32
SE1-2212	Income From Self Employed Bus. 1 (\$) Each Month	7241	192	6	32
SE1-AMT	Imputation Flag--Self Employed Bus. 1	11987	32	1	32
SE1-IMP	Industry Recode Self Employed Bus. 1, Edited and Imputed	7049	64	2	32
SE1-IND	Occupation Code Self Employed Bus. 1, Edited and Imputed	6857	96	3	32
SE1-QCC	Type of Business Self Employed Bus. 1	6793	32	1	32
SE1-TYP	Weeks With Self Employed Bus. 1 Each Month	7177	32	1	32
SE1-WKS	Business ID Self Employed Bus. 2	6729	64	2	32
SE2-2302	Hours Worked Per Week Self Employed Bus. 2 Each Month	7659	64	2	32
SE2-2312	Income From Self Employed Bus. 2 (\$) Each Month	7433	192	6	32
SE2-AMT	Imputation Flag--Self Employed Bus. 2	12029	32	1	32
SE2-IMP	Industry Recode Self Employed Bus. 2, Edited and Imputed	7113	64	2	32
SE2-IND					

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Mnemonic	Description	Start	Total Length	Field Length	No. of Fields
SE2-OC	Occupation Code Self Employed Bus. 2, Edited and Imputed	6953	96	3	32
SE2-TYP	Type of Business Self Employed Bus. 2	6825	32	1	32
SE2-WKS	Weeks With Self Employed Bus. 2 Each Month	7209	32	1	32
SEX	Sex, Edited and Imputed	1238	1	1	1
SOC-SEC	Social Security Payments Coverage	11101	32	1	32
SS-PDX	Social Security Coverage, Index Number of Person	11357	64	2	32
SSRECIND	Social Security Reciprocity Indicator	9373	8	1	8
STATE	State Code From the Gini File	2186	16	2	8
STRAT	Stratum Code for Variance Estimation	242	2	2	1
SUID	Sample Unit Identifier	8	9	9	1
SU-RGC	Reduction Group Code for Sample Reduction	238	3	3	1
SU-TOTFP	Person Records in Sample Unit	22	2	2	1
SUSEQNUM	Sequence Number of Person, Primary Sort Key	1	8	8	1
TELEPHON	Sample Indicator	5080	1	1	1
TENURE	Living Quarters Status	1958	32	1	32
U-LVQTR	Housing or Other Unit (Apt, Trailer, etc.)	1894	64	2	32
U-PNGD	Person Number of Parent/Guardian, Predicted	1854	24	3	8
U-SRVD1	Armed Forces Period of Service-First Period	1824	8	1	8
U-SRVD2	Armed Forces Period of Service-Second Period	1832	8	1	8
U-SRVD3	Armed Forces Period of Service-Third Period	1840	8	1	8
U-VET	Armed Forces, Ever Served	1808	8	1	8
UTLPAYYN	Public Housing Unit, Utility Payment	2189	1	1	1
VA-PDX	Vets Coverage, Index Number of Person	11485	64	2	32
VET3080	Veterans: Annual VA Income Questionnaire	9389	2	2	1
VETS	Veterans Payments Coverage	11165	32	1	32
WEEKSLK	Weeks Looking for Work or on Layoff	5209	32	1	32
WIC-PDX	WIC Coverage, Index Number of Person	11805	64	2	32
WICCOV	WIC Coverage	10909	32	1	32
WKSJB	Weeks With a Job or Business	5145	32	1	32
WKSPER	Weeks in Each Month of Reference Period	5173	32	1	32
WS1-2024	Hours Worked Per Week Job 1	6281	64	2	32
WS1-2026	Hourly Pay Rate Job 1	6409	128	4	32
WS1-AMT	Earnings Job 1 This Month (\$)	5897	192	6	32
WS1-CLS	Employee: Type of Business Job 1	5385	32	1	32
WS1-EID	Employer ID Job 1	5257	64	2	32
WS1-IMP	Imputation Flag-Job 1	11933	32	1	32
WS1-IND	Industry Code Job 1, Edited and Imputed	5641	96	3	32
WS1-OC	Occupation Code Job 1, Edited and Imputed	5448	96	3	32
WS1-WKS	Weeks Employed Job 1 This Month	5838	32	1	32
WS2-2124	Hours Worked Per Week Job 2	6346	64	2	32
WS2-2128	Hourly Pay Rate Job 2	6537	128	4	32
WS2-AMT	Earnings Job 2 This Month (\$)	6088	192	6	32
WS2-CLS	Employee: Type of Business Job 2	5417	32	1	32
WS2-EID	Employer ID Job 2	5321	64	2	32
WS2-IMP	Imputation Flag-Job 2	11885	32	1	32
WS2-IND	Industry Code Job 2, Edited and Imputed	5737	96	3	32
WS2-OC	Occupation Code Job 2, Edited and Imputed	5545	96	3	32
WS2-WKS	Weeks Employed Job 2 This Month	5865	32	1	32

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 begins with the character "D" (left-justified, two characters). The "D" flag indicates lines in the data dictionary containing the name, size, begin, number of repetitions, and field length. This information (in machine-readable form) can be used to help access the data file. These items are described as follows:

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 "SC3060" or "WS1-IMP". Data item names are unique throughout the entire file and never exceed 8 characters.

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.

Number of repetitions. Number of times the individual variable is repeated, usually 1, 8 (for 8 interviews), or 32 (for 32 months).

Field length. Length of each individual 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.

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. An example of data item descriptions follows:

```
D SC1360 1 2223 1 1
    Ever retired from a job or business
U Universe: Persons 40 or older
V 0. Not in universe, not in
    sample; nonmatch
V 1. Yes
V 2. No
```

Each logical record for a sampled person includes information for anyone who, at any time during the life of the 1987 Panel (February 1987 to May 1989), was a member of an interviewed household. Each record contains a series of person identifiers, one-time variables for persons such as sex or race, variables relating to each wave (eight repetitions of the variable), and monthly variables which have 32 values for each variable. The repetitions for any particular variable in this codebook are indicated by the number that appears just to the right of the begin position. For variables with repetitions other than those described above, the multiplier is described together with the definition of the particular variable.

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DATA	SIZE	BEGIN	REP	LENGTH
D SUSEQNUM	6	1	1	6
Sequence number of person, primary sort key				
D ROT	1	7	1	1
Rotation group number				
D SU-ID	9	8	1	9
Scrambled identifier-PSU, segment, serial				
D PP-ENTRY	2	17	1	2
Edited person's entry address ID				
D PP-PNUM	3	19	1	3
Edited person number				
D SU-TOTPP	2	22	1	2
Total number of person records in the sample unit				
D PP-RCSEQ	2	24	1	2
Sequence number of person record within sample unit				
D HH-ADDID	64	26	32	2
Address id. of household person lives in for the current month				
D PP-INTVW	8	90	8	1
Person's interview status for the relevant interview				
V	0	Not applicable, children under 15, not in sample, nonmatch		
V	1	Interview, self		
V	2	Interview, proxy		
V	3	Noninterview - type 2 refusal		
V	4	Noninterview - type 2 other		
D PP-WIS	32	98	32	1
Person's interview status (monthly)				
V	0	Not matched or not in sample		
V	1	Interview		
V	2	Noninterview		
D REASLEFT	8	130	8	1
Preeditd reason for leaving the household control card item 23				
U	Universes: Left during reference period			
V	0	Not applicable or not answered or nonmatch		
V	1	Left - deceased		
V	2	Left - institutionalized		
V	3	Left - living in armed forces barracks		
V	4	Left - moved outside of country		
V	5	Left - separation or divorce		
V	6	Left - person #201 or greater no longer living with sample person		
V	7	Left - other		
V	8	Entered merged household		
V	9	Interviewed in previous wave, but not in sample		

DATA	SIZE	BEGIN	REP	LENGTH
D HHINSTAT	64	138	32	2
Control card item 36b - interview status code				
V	0	Not defined for this wave		
V	1	Interviewed		
V	2	Type A noninterview		
V	3	No one home		
V	4	Temporarily absent		
V	5	Refused		
V	6	Unable to locate		
V	7	Other		
V	23	Type C Noninterview		
V	24	Entire household out-of-scope		
V	25	Type D Noninterview		
V	26	Moved, address unknown		
V	27	Moved within country beyond limit		
V	28	All sample persons relisted on new		

* Person's Weights:				

D PNLWGT	12	202	1	12
Panel person's weight assigned to persons with PP-WIS = 1 for all months eligible for interview, person number=100-199 (four implied decimals)				
D FALWGT87	12	214	1	12
Person's weight assigned for calendar year 1987 population controlled to first interview covering 1987 (four implied decimals)				
D FNLWGT88	12	226	1	12
Person's weight assigned for calendar year 1988 population controlled to first interview covering 1988 (four implied decimals)				

* Master Segment Tape Field:				

D SU-RGC	3	238	1	3
Reduction group code established to make it possible to easily reduce sample size (from master segment tape)				
V	000	Not applicable for coverage improvement frame		
V	1-101	Applicable for coverage improvement frame		

* Variance Fields:				

D HSC	1	241	1	1
Half sample code for variance estimation				
D STRAT	2	242	1	2
Stratum code for variance estimation				

DATA SIZE BEGIN REP LENGTH

* Longitudinal Household Fields: *

D LGTHNTYP 32 244 32 1
Longitudinal household type (monthly)
V 0 .NA, not in a household
V 1 .Married couple household
V 2 .Other family household, male
householder
V 3 .Other family household,
female householder
V 4 .Nonfamily household, male
householder
V 5 .Nonfamily household, female
householder

D LGTKEY 96 276 32 3
Longitudinal key person indicator
(monthly)
V 0 .Not a key person
V 1-511 .Key person in 1st hhd of
that number

D LGTOTH 96 372 32 3
Longitudinal "other" person (not a key
person) indicator (monthly)
V 0 .Not an "other" person in an
lgt hhd
V 1-511 .An "other" person in an lgt
hhd of that number

D LGTFAC1 384 468 32 12
Long. adjustment factor number 1
experimental longitudinal
household weight (monthly)
(four implied decimals)

D LGTFAC2 384 852 32 12
Long. adjustment factor number 2
experimental longitudinal
household weight (monthly)
(four implied decimals)

* Demographic Characteristics: *

D SEX 1 1236 1 1
Sex, edited and imputed
V 1 .Male
V 2 .Female

D RACE 1 1237 1 1
Race, edited and imputed
V 1 .White
V 2 .Black
V 3 .American Indian, Eskimo or
.Aleut
V 4 .Asian or Pacific Islander

D ETHNICITY 2 1238 1 2
Ethnic origin
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

DATA SIZE BEGIN REP LENGTH

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
.Spanish
V 20 .Other Spanish
V 21 .Afro-American, Black or Negro
V 30 .Another group not listed
V 39 .Don't know

D RRP 32 1240 32 1
Edited relationship to reference person
V 0 .Not a sample person, nonmatch
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
V 6 .Non-relative of household
reference person but related
to others in the household
(member of an unrelated
family)
V 7 .Non-relative of household
reference person and not
related to anyone else
(secondary individual)

* Age for each month is age as of the *
* last day of the month. *

D AGE 64 1272 32 2
Edited and imputed age as of last
birthday. age for each month
is age as of last day of that month
V 00 .Less than 1 year or not a
sample person
V 1-85 .1 to 85 years old
V >85 .85 years or more

* If a person's marital status changed *
* during any month, the marital status *
* shown is the status maintained for the *
* greatest part of the month. *

D MS 32 1336 32 1
Marital status (monthly)
V 0 .Not a sample person, nonmatch
V 1 .Married, spouse present
V 2 .Married, spouse absent
V 3 .Widowed
V 4 .Divorced
V 5 .Separated
V 6 .Never married

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DATA SIZE BEGIN REP LENGTH

D FAMTYP 32 1358 32 1
Family type (monthly)
V 0 .Primary family or not a
sample person, nonmatch
V 1 .Secondary individual, not a
family member
V 2 .Unrelated sub, secondary
family
V 3 .Related subfamily
V 4 .Primary individual

D FAMREL 32 1400 32 1
Family relationship code if in
subfamily (monthly) only applies to
members of related subfamilies and
members of unrelated subfamilies
V 0 .Not applicable, not in
sample, nonmatch
V 1 .Reference person of family
V 2 .Spouse of family reference
person
V 3 .Child of family reference
person

D FAMNUM 32 1432 32 1
Family number if in a subfamily
(monthly) only applies to members of
related subfamilies and members of
unrelated subfamilies
V 0 .Not applicable, not in
sample, nonmatch period and
Interview month
V 1-6 .Family number of subfamily

D PNSP 96 1464 32 3
Person number of spouse (monthly)
V 0 .Not a sample person, nonmatch
V 101-998 .Index number of spouse
V 999 .Not applicable

D ENTID-SP 64 1560 32 2
Entry address ID of spouse (monthly)
V 00 .Not in sample or nonmatch
V 11-98 .11-98 entry I.d. of spouse
V 99 .Not applicable

D PNPT 96 1624 32 3
Person number of parent (monthly)
V 0 .Not a sample person, nonmatch
V 101-998 .Person number of parent
V 999 .Not applicable

D ENTID-PT 64 1720 32 2
Entry address ID of parent (monthly)
V 00 .Not in sample or nonmatch
V 11-98 .11-98 entry I.d. of parent
V 99 .Not applicable

D MIGRADE 16 1784 8 2
Highest grade or year of regular school
attended
V 0 .Not applicable if under 15,
not in sample, nonmatch,
.Type D did not attend or
attended only kindergarten
V 01-08 .Elementary
V 09-12 .High school
V 21-26 .College

D GRD-CMPL 8 1800 8 1
Did he/she complete that grade
U Universe: MIGRADE NE 0
V 0 .Not applicable, not in

DATA SIZE BEGIN REP LENGTH

.sample, nonmatch
V 1 .Yes
V 2 .No

D U-VET 8 1808 8 1
Ever served on active duty in the U.S.
armed forces
V 0 .Not applicable
V 1 .Yes
V 2 .No

D IW-AF 8 1816 8 1
Is currently in the armed forces
V 0 .Not applicable if under 15,
not in sample, nonmatch
V 1 .Yes
V 2 .No

D U-SRVDT1 8 1824 8 1
Unedited period of service, control card
item 32b - 1st code
V 0 .Not applicable, not in
sample, nonmatch
V 1 .Vietnam era, Aug'64-Apr'75
V 2 .Korean conflict
.June'50-Jan'55
V 3 .World War II, Sept'40-July'47
V 5 .May 1975 to August 1980
V 6 .September 1980 or later
V 7 .Other service
(all other periods)
V 9 .Not answered

D U-SRVDT2 8 1832 8 1
Unedited period of service
control card item 32b - 2nd code
V 0 .Not applicable, not in
sample, nonmatch
V 1 .Vietnam era, Aug'64-Apr'75
V 2 .Korean conflict
.June'50-Jan'55
V 3 .World War II, Sept'40-July'47
V 5 .May 1975 to August 1980
V 6 .September 1980 or later
V 7 .Other service
(all other periods)
V 9 .Not answered

D U-SRVDT3 8 1840 8 1
Unedited period of service
control card item 32b - 3rd code
V 0 .Not applicable, not in
sample, nonmatch
V 1 .Vietnam era, Aug'64-Apr'75
V 2 .Korean conflict
.June'50-Jan'55
V 3 .World War II, Sept'40-July'47
V 5 .May 1975 to August 1980
V 6 .September 1980 or later
V 7 .Other service
(all other periods)
V 9 .Not answered

D BIRTHM 2 1848 1 2
Preedited month of birth
control card item 24
V -9 .Not answered
V 01-12 .January to December

DATA DICTIONARY

DATA SIZE BEGIN REP LENGTH

D BRTHYR 4 1850 1 4
Preeditd year of birth
V -9 .Not answered
V 1903-1989 .Year of birth
V 1902 .1902 or earlier

D U-PNGD 24 1854 8 3
Preeditd person number of designated
parent or guardian, control card item 27
V -9 .Not answered
V 0 .Not in universe, not in
.sample, nonmatch
V 101-998 .Person number of parent or
.guardian
V 999 .Not applicable

D ENTID-CD 16 1878 8 2
Entry address ID of designated parent or
guardian
V 0 .Not in universe, not in
.sample, nonmatch
V 11-98 .11-98 entry i.d. of parent
V 99 .Not applicable

* Edited Control Card Fields: *

D U-LVQTR 64 1894 32 2
Housing/other unit control card items 13d
and 13e (monthly)
V 0 .Not applicable, not in
.sample, nonmatch
V 1 .House, apartment, flat
V 2 .HU in nontransient hotel,
.motel etc.
V 3 .HU, permanent in transient
.hotel, motel, etc.
V 4 .HU in rooming house
V 5 .Mobile home or trailer with
.no permanent room added
V 6 .Mobile home or trailer with
.one or more permanent rooms
.added
V 7 .HU not specified above
V 8 .Quarters not hu in rooming or
.boarding house
V 9 .Unit not permanent in
.transient hotel, motel, etc.
V 10 .Unoccupied tent or trailer
.site
V 11 .Other unit not specified above

D TENURE 32 1958 32 1
Living quarters owned/rent/other occ,
control card item 15 (monthly)
V 0 .Not in sample, nonmatch
V 1 .Owned or being bought by
.someone in the household
V 2 .Rented for cash
V 3 .Occupied without payment of
.cash rent

D PUBKS 32 1990 32 1
CC item 16a is the residence in a public
housing project (monthly)
U Universe: TENURE = 2
V 0 .Not applicable, not in
.sample, nonmatch
V 1 .Yes
V 2 .No

DATA SIZE BEGIN REP LENGTH

D LOW-RENT 32 2022 32 1
CC item 16b paying lower rent because of
govt subsidy (monthly)
U Universe: PUBKS = 2
V 0 .Not applicable, not in
.sample, nonmatch
V 1 .Yes
V 2 .No

* Program questions from the
* cross-sectional household records: *

D ADDID5 16 2054 8 2
Household address i.d. person lived at
in interview month

D ENRGY-YN 8 2070 8 1
Household received govt. energy
assistance during the past month
V 0 .Not in universe, not in
.sample hh at time of
.interview, nonmatch
V 1 .Yes
V 2 .No

D H-ENRGY 8 2078 8 1
What type of household energy
assistance was received
U Universe: ENRGY-YN = 1
V 0 .Not applicable, not in sample
.hh at time of interview,
.nonmatch
V 1 .Checks sent to household
V 2 .Coupons or vouchers sent to
.household
V 3 .Payments sent elsewhere
V 4 .Checks and coupons or
.vouchers sent to household
V 5 .Checks sent to household and
.payments sent elsewhere
V 6 .Coupons or voucher sent to
.household and payments sent
.elsewhere
V 7 .All three types of assistance

D H-4824 48 2086 8 6
Total amount of household energy
assistance received
U Universe: ENRGY-YN = 1
V 0 .Not in universe, not in
.sample hh at time of
.interview, nonmatch
V 1-999999 .Total amount

D H-LUNCH 8 2134 8 1
Are the lunches free or reduced-price
V 0 .Not applicable, not in sample
.hh at time of interview,
.nonmatch
V 1 .Free
V 2 .Reduced-price
V 3 .Both

D H-4834 16 2142 8 2
Number of children eating lunch free
or reduced-price
U Universe: H-LUNCH NE 0
V 0 .Not in universe, not in
.sample hh at time of
.interview, nonmatch
V 1-20 .Total children

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DATA SIZE BEGIN REP LENGTH

D H-BREAK B 2158 8 1
Breakfasts free or reduced-price
V 0 .Not applicable, not in sample
.hh at time of interview,
.nonmatch
V 1 .Free
V 2 .Reduced-price
V 3 .Both

D H-4830 16 2166 8 2
Number of children with free or reduced
breakfast

U Universe: H-BREAK NE 0
V 0 .Not in universe, not in
.sample hh at time of
.interview, nonmatch
V 1-20 .Total children

* Program questions from Wave 1 *

D PUBRWYTH 1 2182 1 1
Public housing unit for which rent is
collected

V 0 .Not in sample in wave 1
V 1 .Yes
V 2 .No

D PUBRWNT 6 2183 1 6
Monthly rent - public housing unit
V 0 .Not applicable
V 1-999999 .Total rent

D UTLPAYW 1 2189 1 1
Utility payment on public housing unit
V 0 .Not applicable
V 1 .Yes
V 2 .No

D FULLRENT 6 2190 1 6
Monthly rent on public housing unit
if were not govt subsidy
V 0 .Not applicable
V 1-999999 .Total monthly rent

* Geography: *

D STATE 16 2196 8 2
Five state code from the GRM file

V 00 .Nonmatch
V 01 .Alabama
V 04 .Arizona
V 05 .Arkansas
V 06 .California
V 08 .Colorado
V 09 .Connecticut
V 10 .Delaware
V 11 .District of Columbia
V 12 .Florida
V 13 .Georgia
V 15 .Hawaii
V 17 .Illinois
V 18 .Indiana
V 20 .Kansas
V 21 .Kentucky
V 22 .Louisiana
V 24 .Maryland
V 25 .Massachusetts
V 26 .Michigan

DATA SIZE BEGIN REP LENGTH

V 27 .Minnesota
V 28 .Mississippi
V 29 .Missouri
V 31 .Nebraska
V 32 .Nevada
V 33 .New Hampshire
V 34 .New Jersey
V 35 .New Mexico
V 36 .New York
V 37 .North Carolina
V 39 .Ohio
V 40 .Oklahoma
V 41 .Oregon
V 42 .Pennsylvania
V 44 .Rhode Island
V 45 .South Carolina
V 47 .Tennessee
V 48 .Texas
V 49 .Utah
V 51 .Virginia
V 53 .Washington
V 54 .West Virginia
V 55 .Wisconsin
V 61 .Maine, Vermont
V 62 .Iowa, North Dakota, South
.Dakota
V 63 .Alaska, Idaho, Montana,
.Wyoming

* The following eight questions are *
* applicable for a person's first *
* interview only: *

D SC1332 2 2212 1 2
How long did ... serve on active duty in
the armed forces

U Universe: Control control item 32a=1
V -1 .Don't know
V 00 .Not in universe, not in
.sample, nonmatch
V 01 .Less than 6 months
V 02 .6 to 23 months
V 03 .2 to 19 years
V 04 .20 or more years

D SC1334 2 2214 1 2
Does ... have a service connected
disability

U Universe: Control card item 32a=1
V -1 .Don't know
V 00 .Not in universe, not in
.sample, nonmatch
V 01 .Yes
V 02 .No

D SC1336 3 2216 1 3
VA percent disability

U Universe: Control card item 32a=1
V -3 .0
V -2 .Refused
V -1 .Don't know
V 000 .Not in universe, not in
.sample, nonmatch
V 001 .1-10%
V 002 .11-29%
V 003 .30-49%
V 004 .50%
V 005 .51-89%
V 006 .90-99%
V 007 .100%
V 101 .No rating


```

DATA                SIZE  BEGIN REP LENGTH
D SC1346            2  2219      1  2
    Reason getting social security (ret.,
    disab., widow, or surv. child, etc)
U Universe: Persons 18-64 receiving Soc Sec
V      -1 .Don't know
V      0 .Not in universe, not in
        sample, nonmatch
V      1 .Retired
V      2 .Disabled
V      3 .Widowed or surviving child
V      4 .Spouse or dependent child
V      5 .Some other reason
D SC1348            2  2221      1  2
    Another reason ...receives social
    security
U Universe: Persons 18-64 receiving Soc Sec
V      -1 .Don't know
V      0 .Not in universe, not in
        sample, nonmatch
V      1 .Retired
V      2 .Disabled
V      3 .Widowed or surviving child
V      4 .Spouse or dependent child
V      5 .No other reason
D SC1360            1  2223      1  1
    Ever retired from a job or business
U Universe: Persons 40 or older
V      0 .Not in universe, not in
        sample, nonmatch
V      1 .Yes
V      2 .No
D SC1418            1  2224      1  1
    Ever widowed or divorced
U Universe: Currently married persons
V      0 .Not in universe, not in
        sample, nonmatch
V      1 .Widowed
V      2 .Divorced
V      3 .Both widowed and divorced
V      4 .No
D SC1456            1  2225      1  1
    Husband died in service from a
    service-related injury
U Universe: Widowed and receiving Vet's Comp
V      0 .Not in universe, not in
        sample, nonmatch
V      1 .Yes, in the service
V      2 .Yes, from service-related
        injury
V      3 .No
*****
* Source coded Medicare items: *
* * * * *
* Persons 65 years old and over or *
* persons 15 to 64 years old who are *
* disabled. *
*****
D MEDCODE           2  2226      1  2
    Recode of fields SC1464 and SC1466 are
    possible answers to the first part
    of the question: May I see ...'s Medicare
    card to record the claim number and
    type of coverage
U Universe: Persons 65 years of age or older
    or 15 years of age or older and disabled
V      0 .Not in universe

```

```

DATA          SIZE  BEGIN REP LENGTH
V             1 .Retired or disabled worker
V             2 .Spouse of retired or disabled
V             .worker
V             3 .Widow of retired or
V             .disabled worker
V             4 .Adult disabled as a child
V             5 .Uninsured
V             7 .Other or invalid code
V             8 .Missing code

D SC146B      1 2228 1 1
Type Medicare coverage
V             0 .Not in universe or
V             .card not available
V             1 .Hospital only, Type A
V             2 .Medical only, Type B
V             3 .Both hospital and medical
V             .Type A and B
V             4 .Card not available

D SC1472      2 2229 1 2
Medicare helps pay for doctor bills
V             -1 .Don't know
V             0 .Not in universe
V             1 .Yes
V             2 .No

D DISAB       1 2231 1 1
Physical, mental, or other health
condition limits kind of work
V             0 .Not in universe, under 15
V             .years or age 70 and over, not
V             .in sample, nonmatch
V             1 .Ever disabled marked on the
V             .control card

D ATT-SCHL    8 2232 8 1
Attended school in past 4 mos
V             0 .Not in universe
V             1 .Yes, full-time
V             2 .Yes, part-time
V             3 .No - skip to SC1694

D ENRL-MTH    32 2240 32 1
During which months enrolled (monthly)
V             0 .Not enrolled, not in
V             .universe, not in sample
V             1 .Enrolled during that month

D ED-LEVEL    16 2272 8 2
Educational level or grade enrolled
V             0 .Not in universe, not in
V             .sample, nonmatch
V             1 .Elementary grades 1-8
V             2 .High school grades 9-12
V             3 .College year 1
V             4 .College year 2
V             5 .College year 3
V             6 .College year 4
V             7 .College year 5
V             8 .College year 6
V             9 .Vocational school
V             10 .Technical school
V             11 .Business school

D ED-FINAM    8 2288 8 1
Educational expenses paid for by GI bill
Fall Grant, SEOG, et al
V             0 .Not in universe
V             1 .Yes
V             2 .No

```

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DATA	SIZE	BEGIN	REP	LENGTH
D SC1672	8	2296	8	1
Educational assistance-GI bill				
V	0	.Not marked as a kind of educational assistance or not in universe, not in sample		
V	1	.Marked as a kind of educational assistance		
D SC1674	8	2304	8	1
Educational assistance-other veteran's				
V	0	.Not marked as a kind of educational assistance or not in universe, not in sample		
V	1	.Marked as a kind of educational assistance		
D SC1676	8	2312	8	1
Educational assistance-college work study				
V	0	.Not marked as a kind of educational assistance or not in universe, not in sample		
V	1	.Marked as a kind of educational assistance		
D SC1678	8	2320	8	1
Educational assistance-Pell grant				
V	0	.Not marked as a kind of educational assistance or not in universe, not in sample		
V	1	.Marked as a kind of educational assistance		
D SC1680	8	2328	8	1
Educ. assist-suppl educ. opportunity grant (SEOG)				
V	0	.Not marked as a kind of educational assistance or not in universe, not in sample		
V	1	.Marked as a kind of educational assistance		
D SC1682	8	2336	8	1
Educ. assistance-National Direct Student Loan (NSL)				
V	0	.Not marked as a kind of educational assistance or not in universe, not in sample		
V	1	.Marked as a kind of educational assistance		
D SC1684	8	2344	8	1
Educational assistance-guaranteed student loan				
V	0	.Not marked as a kind of educational assistance or not in universe, not in sample		
V	1	.Marked as a kind of educational assistance		
D SC1686	8	2352	8	1
Educational assistance-JTPA training				
V	0	.Not marked as a kind of educational assistance or not in universe, not in sample		
V	1	.Marked as a kind of educational assistance		
D SC1688	8	2360	8	1
Educational assistance-employer assistance				
V	0	.Not marked as a kind of educational assistance or not		

DATA	SIZE	BEGIN	REP	LENGTH
V	1	.in universe, not in sample .Marked as a kind of educational assistance		
D SC1690	8	2368	8	1
Educational assistance, fellowship or scholarship				
V	0	.Not marked as a kind of educational assistance or not in universe, not in sample		
V	1	.Marked as a kind of educational assistance		
D SC1692	8	2376	8	1
Educational assistance-other financial aid				
V	0	.Not marked as a kind of educational assistance or not in universe, not in sample		
V	1	.Marked as a kind of educational assistance		
D SC1696	8	2384	8	1
Spouse in the armed forces				
V	0	.Not in universe		
V	1	.Yes		
V	2	.No		

* Recoded income fields for persons, families, and households *

D PP-INC	256	2392	32	8
Total persons income (monthly)				
D PP-EARN	224	2648	32	7
Total persons earnings (monthly)				
D FF-INC	256	2872	32	8
Total family income (monthly)				
D FF-EARN	192	3128	32	6
Total family earned income				
D FF-PROP	192	3320	32	6
Total family property income				
D FF-TRAW	192	3512	32	6
Total family means-tested transfers				
D FF-OTHR	192	3704	32	6
Total family 'other' income				
D HH-INC	256	3896	32	8
Total household income (monthly)				
D HH-EARN	192	4152	32	6
Total household earned income				
D HH-PROP	192	4344	32	6
Total household property income				
D HH-TRAW	192	4536	32	6
Total household means-tested cash transfers				
D HH-OTHR	192	4728	32	6
Total household 'other' income				

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DATA	SIZE	BEGIN	REP	LENGTH
V	3	.State government		
V	4	.Local government		
V	5	.Armed Forces		
V	6	.Unpaid in family business or farm		
D WS1-000	96	5449	32	3
		Edited and imputed 3 digit occupation code job 1 (monthly)		
D WS2-000	96	5545	32	3
		Edited and imputed 3 digit occupation code job 2 (monthly)		
D WS1-IND	96	5641	32	3
		Edited and imputed 3 digit industry code job 1 (monthly)		
D WS2-IND	96	5737	32	3
		Edited and imputed 3 digit industry code job 2 (monthly)		
D WS1-WKS	32	5833	32	1
		Number of weeks employed job 1 (monthly)		
V	0	.None or not in universe if .WS1-CLS = 6, not in sample, .Nonmatch		
V	1	.1 week		
V	2	.2 weeks		
V	3	.3 weeks		
V	4	.4 weeks		
V	5	.5 weeks		
D WS2-WKS	32	5863	32	1
		Number of weeks employed job 2 (monthly)		
V	0	.None or not in universe if .WS2-CLS = 6, not in sample, .Nonmatch		
V	1	.1 week		
V	2	.2 weeks		
V	3	.3 weeks		
V	4	.4 weeks		
V	5	.5 weeks		
D WS1-AMT	192	5897	32	6
		Dollar amount of the earnings job 1 (monthly)		
D WS2-AMT	192	6089	32	6
		Dollar amount of the earnings - job 2 (monthly)		
D WS1-2024	64	6281	32	2
		Usual hours per week job 1 (monthly)		
V	-3	.None		
V	0	.Not in universe, not in sample, nonmatch		
V	1-99	.Hours		
D WS2-2124	64	6343	32	2
		Usual hours per week job 2		
V	-3	.0		
V	0	.Not in universe, not in sample, nonmatch		
V	1-99	.Hours		
D WS1-2028	128	6409	32	4
		Regular hourly pay rate job 1 (two implied decimals) (monthly)		
V	0	.Not in universe, not in sample, nonmatch		
V	1-9999	.Hourly pay rate		

DATA	SIZE	BEGIN	REP	LENGTH
------	------	-------	-----	--------

D WS2-2128	128	6537	32	4
		Regular hourly pay rate job 2 (two implied decimals) (monthly)		

V	0	.Not in universe, not in sample, nonmatch		
V	1-9999	.Hourly pay rate		

* Recoded Self-employment Records: *

* *

* Note: The survey allows for two *

* separate self-employment records for *

* each person in each month. The *

* self-employment businesses are *

* designated by the suffix attached to *

* the variable name for each variable *

* shown below. *

D SE1-2202	64	6665	32	2
		Check item S1, business ID number control card item 43 (monthly)		

V	0	.Not in universe, not in sample, nonmatch		
V	1-16	.Business ID number		

D SE2-2302	64	6729	32	2
		Check item S1, bus. ID number from control card item 43 (monthly)		

V	0	.Not in universe, not in sample, nonmatch		
V	1-16	.Business ID number		

D SE1-TYP	32	6793	32	1
		Type of business (sole, partnership, corporation) (monthly)		

V	0	.Not in universe, not in sample, nonmatch or gross earnings <\$1000		
---	---	---	--	--

V	1	.Sole proprietorship		
V	2	.Partnership		
V	3	.Corporation		

D SE2-TYP	32	6825	32	1
		Type business (sole, partnership, corporation) (monthly)		

V	0	.Not in universe, not in sample, nonmatch or gross earnings <\$1000		
---	---	---	--	--

V	1	.Sole proprietorship		
V	2	.Partnership		
V	3	.Corporation		

D SE1-000	96	6857	32	3
		Edited and imputed 3 digit occupation code self employed bus. 1 (monthly)		

D SE2-000	96	6853	32	3
		Edited and imputed 3 digit occupation code self employed bus 2 (monthly)		

DATA DICTIONARY

DATA SIZE BEGIN REP LENGTH

```
*****
* Industry Recodes for Self Employment *
* old code to *
* 010-031 01 *
* 040-050 02 *
* 060 03 *
* 100-222 04 *
* 230-392 05 *
* 400-472 06 *
* 500-532 07 *
* 540-571 08 *
* 580-691 09 *
* 700-712 10 *
* 721-760 11 *
* 761-791 12 *
* 800-802 13 *
* 812-892 14 *
* 900-932 15 *
* 990-999 16 *****
```

```
D SE1-IND 64 7049 32 2
  Edited and imputed 2 digit industry code
  self employed bus. 1 (monthly)
V 01 .Agriculture, forestry,
  .fisheries
V 02 .Mining
V 03 .Construction
V 04 .Manufacturing-nondurable goods
V 05 .Manufacturing-durable goods
V 06 .Transportation, comm.
V 07 .Wholesale trade-durable goods
V 08 .Wholesale trade-nondurable goods
V 09 .Retail trade
V 10 .Finance, insurance, real estate
V 11 .Business and repair services
V 12 .Personal services
V 13 .Entertainment and rec. services
V 14 .Professional and rel. services
V 15 .Public administration
V 16 .Industry not reported
```

```
D SE2-IND 64 7113 32 2
  Edited and imputed 2 digit industry code
  self employed bus. 2 (monthly)
V 01 .Agriculture, forestry,
  .fisheries
V 02 .Mining
V 03 .Construction
V 04 .Manufacturing-nondurable goods
V 05 .Manufacturing-durable goods
V 06 .Transportation, comm.
V 07 .Wholesale trade-durable goods
V 08 .Wholesale trade-nondurable goods
V 09 .Retail trade
V 10 .Finance, insurance, real estate
V 11 .Business and repair services
V 12 .Personal services
V 13 .Entertainment and rec. services
V 14 .Professional and rel. services
V 15 .Public administration
V 16 .Industry not reported
```

```
D SE1-WKS 32 7177 32 1
  Number of weeks with self employed
  business 1 (monthly)
V 0 .None, not in universe, not in
  .sample, nonmatch
V 1 .1 week
V 2 .2 weeks
V 3 .3 weeks
V 4 .4 weeks
V 5 .5 weeks
```

DATA SIZE BEGIN REP LENGTH

```
D SE2-WKS 32 7209 32 1
  Number of weeks with self employed
  business (monthly)
V 0 .None, not in universe, not in
  .sample, nonmatch
V 1 .1 week
V 2 .2 weeks
V 3 .3 weeks
V 4 .4 weeks
V 5 .5 weeks
```

```
D SE1-AMT 192 7241 32 6
  Income from self employed business 1
  (monthly)
```

```
D SE2-AMT 192 7433 32 6
  Income from self employed business 2
  (monthly)
```

```
D SE1-2212 64 7625 32 2
  Hours per week self employed business 1
  (monthly)
V -3 .0
V 0 .Not in universe, not in
  .sample, nonmatch
V 1-99 .Hours
```

```
D SE2-2312 64 7689 32 2
  Hours per week self employed business 2
  (monthly)
V -3 .0
V 0 .Not in universe, not in
  .sample, nonmatch
V 1-99 .Hours
```

```
D G1SRC1 2 7753 1 2
  Income source 1
V 0 .Not applicable, not in
  .sample, nonmatch
V 1 .Social Security
V 2 .Railroad Retirement
V 3 .Federal Supplemental Security
  .Inc, SSI
V 5 .State unemployment
  .compensation
V 6 .Supplemental unemployment
  .benefits
V 7 .Other unemployment
  .compensation
V 8 .Veterans compensation or
  .pensions
V 10 .Workers compensation
V 12 .Employer or union temporary
  .sickness policy
V 13 .Payments from a sickness,
  .accident, or disability
  .insurance policy purchased on
  .your own
V 20 .Aid to families with
  .dependent children, AFDC, ADC
V 21 .General assistance or general
  .relief
V 23 .Foster child care payments
V 24 .Other welfare
V 25 .WIC
V 27 .Food stamps
V 28 .Child support payments
V 29 .Alimony payments
```

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DATA	SIZE	BEGIN	REP	LENGTH
V	30	.Pension from company or union		
V	31	.Federal civil service or .other federal civilian .employee pensions		
V	32	.U.S. military retirement pay		
V	34	.State government pensions		
V	35	.Local government pensions		
V	36	.Income from paid up life .insurance policies or .annuities		
V	37	.Estates and trusts		
V	38	.Other payments for .retirement, disability or .survivor		
V	40	.GI bill education benefits		
V	41	.Other VA educational .assistance		
V	50	.Income assistance from a .charitable group		
V	51	.Money from relatives or .friends		
V	52	.Lump sum payments		
V	53	.Income from roomers or .boarders		
V	54	.National guard or reserve pay		
V	55	.Incidental or casual earnings		
V	56	.Other cash income not .included elsewhere		
V	75	.State SSI/black lung/state .temporary disability .benefits/Indian, Cuban or or .refugee assistance/national .guard or reserve forces .retirement		

D G1SRC2	2	7755	1	2
Income source 2				
V	0	.Not applicable, not in .sample, nonmatch		
V	1	.Social Security		
V	2	.Railroad Retirement		
V	3	.Federal Supplemental Security .Inc. SSI		
V	5	.State unemployment .compensation		
V	6	.Supplemental unemployment .benefits		
V	7	.Other unemployment .compensation		
V	8	.Veterans compensation or .pensions		
V	10	.Workers compensation		
V	12	.Employer or union temporary .sickness policy		
V	13	.Payments from a sickness, .accident, or disability .insurance policy purchased on .your own		
V	20	.Aid to families with .dependent children, AFDC, ADC		
V	21	.General assistance or general .relief		
V	23	.Foster child care payments		
V	24	.Other welfare		
V	25	.WIC		
V	27	.Food stamps		
V	28	.Child support payments		
V	29	.Alimony payments		
V	30	.Pension from company or union		
V	31	.Federal civil service or .other federal civilian .employee pensions		
V	32	.U.S. military retirement pay		

DATA	SIZE	BEGIN	REP	LENGTH
V	34	.State government pensions		
V	35	.Local government pensions		
V	36	.Income from paid up life .insurance policies or .annuities		
V	37	.Estates and trusts		
V	38	.Other payments for .retirement, disability or .survivor		
V	40	.GI bill education benefits		
V	41	.Other VA educational .assistance		
V	50	.Income assistance from a .charitable group		
V	51	.Money from relatives or .friends		
V	52	.Lump sum payments		
V	53	.Income from roomers or .boarders		
V	54	.National guard or reserve pay		
V	55	.Incidental or casual earnings		
V	56	.Other cash income not .included elsewhere		
V	75	.State SSI/black lung/state .temporary disability .benefits/Indian, Cuban or .refugee assistance/national .guard or reserve forces .retirement		

D G1SRC3	2	7757	1	2
Income source 3				
V	0	.Not applicable, not in .sample, nonmatch		
V	1	.Social Security		
V	2	.Railroad Retirement		
V	3	.Federal Supplemental Security .Inc. SSI		
V	5	.State unemployment .compensation		
V	6	.Supplemental unemployment .benefits		
V	7	.Other unemployment .compensation		
V	8	.Veterans compensation or .pensions		
V	10	.Workers compensation		
V	12	.Employer or union temporary .sickness policy		
V	13	.Payments from a sickness, .accident, or disability .insurance policy purchased on .your own		
V	20	.Aid to families with .dependent children, AFDC, ADC		
V	21	.General assistance or general .relief		
V	23	.Foster child care payments		
V	24	.Other welfare		
V	25	.WIC		
V	27	.Food stamps		
V	28	.Child support payments		
V	29	.Alimony payments		
V	30	.Pension from company or union		
V	31	.Federal civil service or .other federal civilian .employee pensions		
V	32	.U.S. military retirement pay		
V	34	.State government pensions		
V	35	.Local government pensions		

DATA	SIZE	BEGIN	REP	LENGTH	DATA	SIZE	BEGIN	REP	LENGTH
V	36	.	Income from paid up life insurance policies or annuities		V	40	.	GI bill education benefits	
V	37	.	Estates and trusts		V	41	.	Other VA educational assistance	
V	38	.	Other payments for retirement, disability or survivor		V	50	.	Income assistance from a charitable group	
V	40	.	GI bill education benefits		V	51	.	Money from relatives or friends	
V	41	.	Other VA educational assistance		V	52	.	Lump sum payments	
V	50	.	Income assistance from a charitable group		V	53	.	Income from roomers or boarders	
V	51	.	Money from relatives or friends		V	54	.	National guard or reserve pay	
V	52	.	Lump sum payments		V	55	.	Incidental or casual earnings	
V	53	.	Income from roomers or boarders		V	56	.	Other cash income not included elsewhere	
V	54	.	National guard or reserve pay		V	75	.	State SSI/black lung/state temporary disability benefits/indian, cuban or refugee assistance/national guard or reserve forces retirement	
V	55	.	Incidental or casual earnings						
V	56	.	Other cash income not included elsewhere						
V	75	.	State SSI/black lung/state temporary disability benefits/indian, cuban or refugee assistance/national guard or reserve forces retirement						
D G1SRC4	2	7759	1	2	D G1SRC5	2	7761	1	2
Income source 4					Income source 5				
V	0	.	Not applicable, not in sample, nonmatch		V	0	.	Not applicable, not in sample, nonmatch	
V	1	.	Social Security		V	1	.	Social Security	
V	2	.	Railroad Retirement		V	2	.	Railroad Retirement	
V	3	.	Federal Supplemental Security Inc, SSI		V	3	.	Federal Supplemental Security Inc, SSI	
V	5	.	State unemployment compensation		V	5	.	State unemployment compensation	
V	6	.	Supplemental unemployment benefits		V	6	.	Supplemental unemployment benefits	
V	7	.	Other unemployment compensation		V	7	.	Other unemployment compensation	
V	8	.	Veterans compensation or pensions		V	8	.	Veterans compensation or pensions	
V	10	.	Workers compensation		V	10	.	Workers compensation	
V	12	.	Employer or union temporary sickness policy		V	12	.	Employer or union temporary sickness policy	
V	13	.	Payments from a sickness, accident, or disability insurance policy purchased on your own		V	13	.	Payments from a sickness, accident, or disability insurance policy purchased on your own	
V	20	.	Aid to families with dependent children, AFDC, ADC		V	20	.	Aid to families with dependent children, AFDC, ADC	
V	21	.	General assistance or general relief		V	21	.	General assistance or general relief	
V	23	.	Foster child care payments		V	23	.	Foster child care payments	
V	24	.	Other welfare		V	24	.	Other welfare	
V	25	.	WIC		V	25	.	WIC	
V	27	.	Food stamps		V	27	.	Food stamps	
V	28	.	Child support payments		V	28	.	Child support payments	
V	29	.	Alimony payments		V	29	.	Alimony payments	
V	30	.	Pension from company or union		V	30	.	Pension from company or union	
V	31	.	Federal civil service or other federal civilian employee pensions		V	31	.	Federal civil service or other federal civilian employee pensions	
V	32	.	U.S. military retirement pay		V	32	.	U.S. military retirement pay	
V	34	.	State government pensions		V	34	.	State government pensions	
V	35	.	Local government pensions		V	35	.	Local government pensions	
V	36	.	Income from paid up life insurance policies or annuities		V	36	.	Income from paid up life insurance policies or annuities	
V	37	.	Estates and trusts		V	37	.	Estates and trusts	
V	38	.	Other payments for retirement, disability or survivor		V	38	.	Other payments for retirement, disability or survivor	
					V	40	.	GI bill education benefits	

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DATA	SIZE	BEGIN	REP	LENGTH
V	41	.Other VA educational assistance		
V	50	.Income assistance from a charitable group		
V	51	.Money from relatives or friends		
V	52	.Lump sum payments		
V	53	.Income from roomers or boarders		
V	54	.National guard or reserve pay		
V	55	.Incidental or casual earnings		
V	56	.Other cash income not included elsewhere		
V	75	.State SSI/black lung/state temporary disability benefits/Indian, Cuban or refugee assistance/national guard or reserve forces retirement		

D G1SRC6	2	7765	1	2
	Income source 6			
V	0	.Not applicable, not in sample, nonmatch		
V	1	.Social Security		
V	2	.Railroad Retirement		
V	3	.Federal Supplemental Security Inc, SSI		
V	5	.State unemployment compensation		
V	6	.Supplemental unemployment benefits		
V	7	.Other unemployment compensation		
V	8	.Veterans compensation or pensions		
V	10	.Workers compensation		
V	12	.Employer or union temporary sickness policy		
V	13	.Payments from a sickness, accident, or disability insurance policy purchased on your own		
V	20	.Aid to families with dependent children, AFDC, ADC		
V	21	.General assistance or general relief		
V	23	.Foster child care payments		
V	24	.Other welfare		
V	25	.WIC		
V	27	.Food stamps		
V	28	.Child support payments		
V	29	.Alimony payments		
V	30	.Pension from company or union		
V	31	.Federal civil service or other federal civilian employee pensions		
V	32	.U.S. military retirement pay		
V	34	.State government pensions		
V	35	.Local government pensions		
V	36	.Income from paid up life insurance policies or annuities		
V	37	.Estates and trusts		
V	38	.Other payments for retirement, disability or survivor		
V	40	.GI bill education benefits		
V	41	.Other VA educational assistance		
V	50	.Income assistance from a charitable group		
V	51	.Money from relatives or friends		

DATA	SIZE	BEGIN	REP	LENGTH
		.friends		
V	52	.Lump sum payments		
V	53	.Income from roomers or boarders		
V	54	.National guard or reserve pay		
V	55	.Incidental or casual earnings		
V	56	.Other cash income not included elsewhere		
V	75	.State SSI/black lung/state temporary disability benefits/Indian, Cuban or refugee assistance/national guard or reserve forces retirement		

D G1SRC7	2	7765	1	2
	Income source 7			
V	0	.Not applicable, not in sample, nonmatch		
V	1	.Social Security		
V	2	.Railroad Retirement		
V	3	.Federal Supplemental Security Inc, SSI		
V	5	.State unemployment compensation		
V	6	.Supplemental unemployment benefits		
V	7	.Other unemployment compensation		
V	8	.Veterans compensation or pensions		
V	10	.Workers compensation		
V	12	.Employer or union temporary sickness policy		
V	13	.Payments from a sickness, accident, or disability insurance policy purchased on your own		
V	20	.Aid to families with dependent children, AFDC, ADC		
V	21	.General assistance or general relief		
V	23	.Foster child care payments		
V	24	.Other welfare		
V	25	.WIC		
V	27	.Food stamps		
V	28	.Child support payments		
V	29	.Alimony payments		
V	30	.Pension from company or union		
V	31	.Federal civil service or other federal civilian employee pensions		
V	32	.U.S. military retirement pay		
V	34	.State government pensions		
V	35	.Local government pensions		
V	36	.Income from paid up life insurance policies or annuities		
V	37	.Estates and trusts		
V	38	.Other payments for retirement, disability or survivor		
V	40	.GI bill education benefits		
V	41	.Other VA educational assistance		
V	50	.Income assistance from a charitable group		
V	51	.Money from relatives or friends		
V	52	.Lump sum payments		

DATA	SIZE	BEGIN	REP	LENGTH	
V	53				.Income from roomers or boarders
V	54				.National guard or reserve pay
V	55				.Incidental or casual earnings
V	56				.Other cash income not included elsewhere
V	75				.State SSI/black lung/state temporary disability benefits/Indian, Cuban or refugee assistance/national guard or reserve forces retirement
D G15RC8	2	7767	1	2	Income source 8
V	0				.Not applicable, not in sample, nonmatch
V	1				.Social Security
V	2				.Railroad Retirement
V	3				.Federal Supplemental Security Inc, SSI
V	5				.State unemployment compensation
V	6				.Supplemental unemployment benefits
V	7				.Other unemployment compensation
V	8				.Veterans compensation or pensions
V	10				.Workers compensation
V	12				.Employer or union temporary sickness policy
V	13				.Payments from a sickness, accident, or disability insurance policy purchased on your own
V	20				.Aid to families with dependent children, AFDC, ADC
V	21				.General assistance or general relief
V	23				.Foster child care payments
V	24				.Other welfare
V	25				.WIC
V	27				.Food stamps
V	28				.Child support payments
V	29				.Alimony payments
V	30				.Pension from company or union
V	31				.Federal civil service or other federal civilian employee pensions
V	32				.U.S. military retirement pay
V	34				.State government pensions
V	35				.Local government pensions
V	36				.Income from paid up life insurance policies or annuities
V	37				.Estates and trusts
V	38				.Other payments for retirement, disability or survivor
V	40				.GI bill education benefits
V	41				.Other VA educational assistance
V	50				.Income assistance from a charitable group
V	51				.Money from relatives or friends
V	52				.Lump sum payments
V	53				.Income from roomers or boarders
V	54				.National guard or reserve pay
V	55				.Incidental or casual earnings
V	56				.Other cash income not included elsewhere
V	75				.Included elsewhere
D G15RC9	2	7769	1	2	Income source 9
V	0				.Not applicable, not in sample, nonmatch
V	1				.Social Security
V	2				.Railroad Retirement
V	3				.Federal Supplemental Security Inc, SSI
V	5				.State unemployment compensation
V	6				.Supplemental unemployment benefits
V	7				.Other unemployment compensation
V	8				.Veterans compensation or pensions
V	10				.Workers compensation
V	12				.Employer or union temporary sickness policy
V	13				.Payments from a sickness, accident, or disability insurance policy purchased on your own
V	20				.Aid to families with dependent children, AFDC, ADC
V	21				.General assistance or general relief
V	23				.Foster child care payments
V	24				.Other welfare
V	25				.WIC
V	27				.Food stamps
V	28				.Child support payments
V	29				.Alimony payments
V	30				.Pension from company or union
V	31				.Federal civil service or other federal civilian employee pensions
V	32				.U.S. military retirement pay
V	34				.State government pensions
V	35				.Local government pensions
V	36				.Income from paid up life insurance policies or annuities
V	37				.Estates and trusts
V	38				.Other payments for retirement, disability or survivor
V	40				.GI bill education benefits
V	41				.Other VA educational assistance
V	50				.Income assistance from a charitable group
V	51				.Money from relatives or friends
V	52				.Lump sum payments
V	53				.Income from roomers or boarders
V	54				.National guard or reserve pay
V	55				.Incidental or casual earnings
V	56				.Other cash income not included elsewhere

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DATA SIZE BEGIN REP LENGTH

V 75 .State SSI/black lung/state
.temporary disability
.benefits/indian, cuban or
.refugee assistance/national
.guard or reserve forces
.retirement

D DISR10 2 7771 1 2

Income source 10

V 0 .Not applicable, not in
.sample, nonmatch
V 1 .Social Security
V 2 .Railroad Retirement
V 3 .Federal Supplemental Security
.Inc. SSI
V 5 .State unemployment
.compensation
V 6 .Supplemental unemployment
.benefits
V 7 .Other unemployment
.compensation
V 8 .Veterans compensation or
.pensions
V 10 .Workers compensation
V 12 .Employer or union temporary
.sickness policy
V 13 .Payments from a sickness,
.accident, or disability
.insurance policy purchased on
.your own
V 20 .Aid to families with
.dependent children, AFDC, ADC
V 21 .General assistance or general
.relief
V 23 .Foster child care payments
V 24 .Other welfare
V 25 .WIC
V 27 .Food stamps
V 28 .Child support payments
V 29 .Alimony payments
V 30 .Pension from company or union
V 31 .Federal civil service or
.other federal civilian
.employee pensions
V 32 .U.S. military retirement pay
V 34 .State government pensions
V 35 .Local government pensions
V 36 .Income from paid up life
.insurance policies or
.annuities
V 37 .Estates and trusts
V 38 .Other payments for
.retirement, disability or
.survivor
V 40 .GI bill education benefits
V 41 .Other VA educational
.assistance
V 50 .Income assistance from a
.charitable group
V 51 .Money from relatives or
.friends
V 52 .Lump sum payments
V 53 .Income from roomers or
.boarders
V 54 .National guard or reserve pay
V 55 .Incidental or casual earnings
V 56 .Other cash income not
.included elsewhere
V 75 .State SSI/black lung/state
.temporary disability
.benefits/indian, cuban or

DATA SIZE BEGIN REP LENGTH

.refugee assistance/national
.guard or reserve forces
.retirement

* Amount Fields from the G1 Section: *

D G1-AMT1 160 7773 32 5
G1 income source 1 (monthly)

D G1-AMT2 160 7933 32 5
G1 income source 2 (monthly)

D G1-AMT3 160 8093 32 5
G1 income source 3 (monthly)

D G1-AMT4 160 8253 32 5
G1 income source 4 (monthly)

D G1-AMT5 160 8413 32 5
G1 income source 5 (monthly)

D G1-AMT6 160 8573 32 5
G1 income source 6 (monthly)

D G1-AMT7 160 8733 32 5
G1 income source 7 (monthly)

D G1-AMT8 160 8893 32 5
G1 income source 8 (monthly)

D G1-AMT9 160 9053 32 5
G1 income source 9 (monthly)

D G1-AMT10 160 9213 32 5
G1 income source 10 (monthly)

* Other Fields from the G1 Section: *

D SSRECI10 8 9373 8 1

Social security reciprocity indicator

V 0 .Not in universe
V 1 .Adult benefits received in
.own name only
V 2 .Only adult benefits received
.jointly with spouse
V 3 .Only child benefits received
V 4 .Adult benefits received in
.own name and child benefits
.received
V 5 .Adult benefits received
.jointly with spouse and child
.benefits received

D RRECIAD 8 9381 8 1

Railroad retirement reciprocity indicator

V 0 .Not in universe
V 1 .Adult benefits received in
.own name only
V 2 .Only adult benefits received
.jointly with spouse
V 3 .Only child benefits received
V 4 .Adult benefits received in
.own name and child benefits
.received
V 5 .Adult benefits received
.jointly with spouse and child
.benefits received

DATA SIZE BEGIN REP LENGTH

D VET3060 2 9389 1 2
 Required to fill out an annual VA income
 questionnaire
 V -1 .Don't know
 V 0 .Not in universe or don't know
 V 1 .Yes
 V 2 .No

 * Asset Ownership Summary by Interview *

D ASST100 8 9391 8 1
 ISS Asset Code 100 - savings accounts
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST101 8 9399 8 1
 ISS Asset Code 101 - money market
 accounts
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST102 8 9407 8 1
 ISS Asset Code 102 - certificates of
 deposit
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST103 8 9415 8 1
 ISS Asset Code 103 - NOW accounts
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST104 8 9423 8 1
 ISS Asset Code 104 - money market funds
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST105 8 9431 8 1
 ISS Asset Code 105 - U.S. government
 securities
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST106 8 9439 8 1
 ISS Asset Code 106 municipal or
 corporate bonds
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST107 8 9447 8 1
 ISS Asset Code 107, other interest
 earning assets
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST110 8 9455 8 1
 ISS Asset Code 110 - stocks
 or mutual funds
 V 0 .Not Applicable
 V 1 .Yes
 V 2 .No

DATA SIZE BEGIN REP LENGTH

D ASST120 8 9463 8 1
 ISS Asset Code 120 - rental property
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST130 8 9471 8 1
 ISS Asset Code 130 - mortgages
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST140 8 9479 8 1
 ISS Asset Code 140 - royalties
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D ASST150 8 9487 8 1
 ISS Asset Code 150 - other financial
 investments
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

 * Recorded G2 Asset Ownership *

D G2SRC100 1 9495 1 1
 G2 interest from savings, money market
 deposits, CDs, checking
 V 0 .Not applicable, not in
 sample, nonmatch
 V 1 .Yes
 V 2 .No

D G2SRC104 1 9496 1 1
 G2 interest, money market funds, gov. sec
 mun. bonds, corp. bonds other
 V 0 .Not applicable, not in
 sample, nonmatch
 V 1 .Yes
 V 2 .No

D G2SRC110 1 9497 1 1
 G2 dividends from stocks or mutual fund
 shares (110)
 V 0 .Not applicable, not in
 sample, nonmatch
 V 1 .Yes
 V 2 .No

D G2SRC120 1 9498 1 1
 Net income from the rental of
 property (120)
 V 0 .Not applicable, not in
 sample, nonmatch
 V 1 .Yes
 V 2 .No

D G2SRC130 1 9499 1 1
 G2 interest income from mortgages
 held (130)
 V 0 .Not applicable, not in
 sample, nonmatch
 V 1 .Yes
 V 2 .No

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DATA SIZE BEGIN REP LENGTH

D G2SRC140 1 9500 1 1
G2 income from royalties and other
financial investments (140)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

* Asset Income Amounts *
* Data on asset income are collected *
* for both joint and own reciprocity. *
* In the wave files jointly received *
* asset income is divided equally *
* between the two recipients. In the *
* following fields the individual *
* portion of jointly received asset *
* income and asset income received in *
* one's own name have been added *
* together. *

D G2AMT100 224 9501 32 7
Income from savings accounts
(100) (monthly)

D G2AMT104 224 9725 32 7
G2 income mm funds, secur, bonds, other
(104) (monthly)

D G2AMT110 224 9949 32 7
G2 income stocks, mutual shares (110)
(monthly)

D G2AMT120 224 10173 32 7
G2 income from rental property (120)
(monthly)

D G2AMT130 224 10397 32 7
G2 income from mortgages held (130)
(monthly)

D G2AMT140 224 10621 32 7
G2 income royalties and other financial
investment (140) (monthly)

* Coverage Items: *

D CARECOV 32 10845 32 1
Covered by medicare (monthly)
v 0 .Not applicable if age under
.75, not in sample, nonmatch
v 1 .Yes
v 2 .No

D CAIDCOV 32 10877 32 1
Covered by medicaid (monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

D WICCOV 32 10909 32 1
Covered by WIC (monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

DATA SIZE BEGIN REP LENGTH

D AFDC 32 10941 32 1
Covered by AFDC (monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

D FOODSTP 32 10973 32 1
Covered by food stamps (monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

D GEN-ASST 32 11005 32 1
Covered by any general assistance
income (monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

D FOST-KID 32 11037 32 1
Covered by any foster child care
payments (monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

D OTN-WELF 32 11069 32 1
Covered by any other welfare payments
(monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

D SOC-SEC 32 11101 32 1
Covered by social security payments
(monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

D RAILRD 32 11133 32 1
Covered by railroad retirement payments
(monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

D VETS 32 11165 32 1
Covered by veterans payments (monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

D CHAMPUS 32 11197 32 1
Covered by CHAMPUS payments (monthly)
v 0 .Not applicable, not in
sample, nonmatch
v 1 .Yes
v 2 .No

DATA DICTIONARY

DATA SIZE BEGIN REP LENGTH

D CHAMPVA 32 11229 32 1
Covered by CHAMPVA payments (monthly)
V 0 .Not applicable, not in
.sample, nonmatch
V 1 .Yes
V 2 .No

* Private Health Insurance Coverage: *

D HICWNCOV 32 11261 32 1
Covered by private insurance coverage
in own name (monthly)
V 0 .Not in universe, not in
.sample, nonmatch
V 1 .Had health insurance in own
.name
V 2 .Did not have health insurance
.in own name

D H1-DTCOV 32 11293 32 1
Covered by private insur cov thru someone
else's name (monthly)
V 0 .Not in universe, not in
.sample, nonmatch
V 1 .Had health insurance thru
.someone else's name
V 2 .Did not have health insurance
.coverage

D HIEMPLYR 32 11325 32 1
Covered by prv hlt insuranc
obtained thru employer (monthly)
V 0 .Not in universe, not in
.sample, nonmatch
V 1 .Health insurance coverage
.obtained thru employer or
.previous employer
V 2 .Health insurance coverage not
.obtained thru employment

* The following fields are for persons *
* covered by the selected types of *
* income: the field created is the index *
* of the person from which coverage was *
* assigned. *

D SS-PIDX 64 11357 32 2
Covered by soc-soc, index number of
person assigned (monthly)
U Universe: SOC-SEC=1
V 0 .Not in universe, not in
.sample, nonmatch
V 1-60 .Person record index

D RR-PIDX 64 11421 32 2
Covered by railroad, index number
of person assigned (monthly)
U Universe: RAILRD=1
V 0 .Not in universe, not in
.sample, nonmatch
V 1-60 .Person record index

D VA-PIDX 64 11485 32 2
Covered by vets, index number of person
assigned (monthly)
U Universe: VETS=1
V 0 .Not in universe, not in
.sample, nonmatch
V 1-60 .Person record index

DATA SIZE BEGIN REP LENGTH

D AFDCPIX 64 11549 32 2
Covered by AFDC, index number of person
assigned (monthly)
U Universe: AFDC=1
V 0 .Not in universe, not in
.sample, nonmatch
V 1-60 .Person record index

D GA-PIDX 64 11613 32 2
Covered by GEN-ASST, index number
of person assigned (monthly)
U Universe: GEN-ASST=1
V 0 .Not in universe, not in
.sample, nonmatch
V 1-60 .Person record index

D FOSTPIX 64 11677 32 2
Covered by FOST-KID, index number
of person assigned (monthly)
U Universe: FOST-KID=1
V 0 .Not in universe, not in
.sample, nonmatch
V 1-60 .Person record index

D OTH-PIDX 64 11741 32 2
Covered by OTH-WELF (index number
of person assigned)
U Universe: OTH-WELF=1
V 0 .Not in universe, not in
.sample, nonmatch
V 1-60 .Person record index

D WIC-PIDX 64 11805 32 2
Covered by WICCOV, index number of person
assigned (monthly)
U Universe: WICCOV=1
V 0 .Not in universe, not in
.sample, nonmatch
V 1-60 .Person record index

D FS-PIDX 64 11869 32 2
Covered by foodstamps, index number of
person (monthly)
U Universe: FOODSTP=1
V 0 .Not in universe, not in
.sample, nonmatch
V 1-60 .Person record index

* Imputation Flags (monthly) *

D WS1-IMP 32 11933 32 1
Job 1 imputation flag (monthly)
V 0 .Not imputed
V 1 .Imputed

D WS2-IMP 32 11965 32 1
Job 2 imputation flag (monthly)
V 0 .Not imputed
V 1 .Imputed

D SE1-IMP 32 11997 32 1
Self employment business 1
imputation flag (monthly)
V 0 .Not imputed
V 1 .Imputed

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DATA	SIZE	BEGIN	REP	LENGTH
D SE2-IMP	32	12029	32	1
Self employment business 2				
imputation flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G1-IMP1	32	12061	32	1
G1 amount 1 imputation flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G1-IMP2	32	12093	32	1
G1 amount 2 imputation flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G1-IMP3	32	12125	32	1
G1 amount 3 imputation flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G1-IMP4	32	12157	32	1
G1 amount 4 imputation flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G1-IMP5	32	12189	32	1
G1 amt 5 imp flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G1-IMP6	32	12221	32	1
G1 amount 6 imputation flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G1-IMP7	32	12253	32	1
G1 amount 7 imputation flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G1-IMP8	32	12285	32	1
G1 amount 8 imputation flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		

DATA	SIZE	BEGIN	REP	LENGTH
D G1-IMP9	32	12317	32	1
G1 amt 9 imp flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G1-IMP10	32	12349	32	1
G1 amount 10 imputation flag (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G2IMP100	32	12381	32	1
G2 income imputation flag (100) (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G2IMP104	32	12413	32	1
G2 income imputation flag (104) (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G2IMP110	32	12445	32	1
G2 income imputation flag (110) (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G2IMP120	32	12477	32	1
G2 income imputation flag (120) (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G2IMP130	32	12509	32	1
G2 Income imputation flag (130) (monthly)				
V	0	.Not imputed		
V	1	.Imputed		
D G2IMP140	32	12541	32	1
G2 income imputation flag (140) (monthly)				
V	0	.Not imputed		
V	1	.Imputed		

**SOURCE AND ACCURACY STATEMENT FOR THE SURVEY OF INCOME AND
PROGRAM PARTICIPATION (SIPP) 1987 LONGITUDINAL PANEL FILE**

DATA COLLECTION AND ESTIMATION

Source of Data. The data were collected during the 1987 panel of the Survey of Income and Program Participation (SIPP). The SIPP universe is the noninstitutionalized resident population living in the United States. This population includes persons living in group quarters, such as dormitories, rooming houses, and religious group dwellings. Crew members of merchant vessels, Armed Forces personnel living in military barracks, and institutionalized persons, such as correctional facility inmates and nursing home residents, were not eligible to be in the survey. Also, United States citizens residing abroad were not eligible to be in the survey. Foreign visitors who work or attend school in this country and their families were eligible; all others were not eligible to be in the survey. With the exceptions noted above, persons who were at least 15 years of age at the time of the interview were eligible to be in the survey.

The 1987 panel SIPP sample is located in 230 Primary Sampling Units (PSUs) each consisting of a county or a group of contiguous counties. Within these PSUs, expected clusters of 2 or 4 living quarters (LQs) were systematically selected from lists of addresses prepared for the 1980 decennial census to form the bulk of the sample. To account for LQs built within each of the sample areas after the 1980 census, a sample was drawn of permits issued for construction of residential LQs up until shortly before the beginning of the panel. In jurisdictions that do not issue building permits, small land areas were sampled and the LQs within were listed by field personnel and then subsampled. In addition, sample LQs were selected from supplemental frames that included LQs identified as missed in the 1980 census and group quarters.

At the time of the initial visit, the occupants of about 11,700 living quarters were interviewed. This accounts for approximately 75% of the living quarters originally designated for sample. Approximately 20% of the designated living quarters were found to be vacant, demolished, converted to nonresidential use, or otherwise ineligible for the survey. The remainder, approximately 800 living quarters, were not interviewed because the occupants refused to be interviewed, could not be found at home, were temporarily absent, or were otherwise unavailable. Thus, occupants of about 93 percent of all eligible living quarters participated in the first interview of the survey.

For later interviews, only original sample persons (those in Wave 1 sample households and interviewed in Wave 1) and persons living with them were eligible to be interviewed. With certain restrictions, original sample persons were to be followed even if they moved to a new address. When original sample persons moved without leaving a forwarding address or moved to extremely remote parts of the country and no telephone number was available, additional noninterviews resulted.

Sample households within the panel are divided into four subsamples of nearly equal size. These subsamples are called rotation groups 1, 2, 3, or 4 and one rotation group is interviewed each month. Each household in the sample was scheduled to be interviewed at 4 month intervals over a period of roughly 2 1/4 years beginning in February 1987. The reference period for the questions is the 4-month period preceding the interview month. In general, one cycle of four interviews covering the entire sample, using the same questionnaire, is called a wave.

The period covered by the 1987 longitudinal panel file consists of 28 interview months (seven interviews) conducted from February 1987 to May 1989. Data for up to 28 reference months are available for persons on the file. Specific months available depend on the person's rotation group and his/her sample entry or exit date. However, data from all four rotation groups (i.e., the full sample) are available only for reference months January 1987 through January 1989, inclusive. Also note that the availability of data on household composition begins with the first interview month of a rotation group.

Table 1 indicates the reference months and interview months for the collection of data from each rotation group of the 1987 longitudinal panel file. For example, rotation group 2 was first interviewed in February 1987 and data for the reference months October 1986 through January 1987 were collected. This rotation group was interviewed for the seventh and last time in February 1989 to collect data for October 1988 through January 1989. Table 1 also shows that 1987 calendar year (87CY) data were collected in interview months February 1987 to April 1988 and that 1988 calendar year (88CY) data were collected exactly one year later. Data from all four rotation groups are available for each reference month of the 1987 and 1988 calendar years.

For panel, 87CY, and 88CY weighting procedures, a person was classified as interviewed or noninterviewed based on the following definitions. (Note that a person may be classified differently for calculating different weights). Interviewed sample persons (including children) were defined to be 1) those for whom self or proxy responses were obtained for each month of the appropriate longitudinal period or 2) those for whom self or proxy responses were obtained for the first month of the appropriate longitudinal period and for each subsequent month until they were known to have died or moved to an ineligible address (foreign living quarters, institutions, or military barracks). The months for which persons were deceased or residing in an ineligible address were identified on the file. Noninterviewed persons were defined to be those for whom neither self nor proxy responses were obtained for one or more months of the appropriate longitudinal period (but not because they were deceased or moved to an ineligible address).

It is estimated that roughly 33,100 persons were initially designated in the sample. Approximately 30,700 persons were interviewed in wave 1; while the balance, residing in the 800 living quarters not interviewed at wave 1 remained anonymous and became the initial source of person nonresponse in the weighting procedures. For the panel and 87CY weighting procedures, the eligible sample is considered to be all persons initially designated for sample. In the panel weighting

procedure, approximately 24,400 persons were classified as interviewed with a person nonresponse rate of 26 percent. The 87CY weighting procedure classified about 26,400 persons as interviewed and had a person nonresponse rate of 20 percent. The longitudinal file contains approximately 35,900 persons in all. This includes the wave 1 interviewed persons and over 5,000 persons who entered survey households during the panel through births, marriages, and other reasons. Approximately one-half of the newcomers were considered eligible for 88CY weighting procedure; increasing the eligible sample size to roughly 34,800 persons. The 88CY weighting procedure classified approximately 25,800 persons of the eligible sample size as interviewed and had a person nonresponse rate of roughly 26 percent. Some respondents did not respond to some of the questions; therefore, item nonresponse rates, especially for sensitive income and money related items, are higher than the person nonresponse rates given above.

ESTIMATION

In the estimation procedure described below, all persons classified as interviewed for a given longitudinal period, i.e., panel, 87CY, or 88CY, are assigned positive weights for that period, while those classified as noninterviewed are assigned zero weights.

Estimation of Person Characteristics. Essentially the same estimation procedure was used to derive each of the three sets of SIPP longitudinal person weights. Several stages of weight adjustments were involved. Each person received a base weight equal to the inverse of his/her probability of selection. Two noninterview adjustment factors were applied. One adjusted the weights of interviewed persons in interviewed households to account for persons who were eligible for the sample but could not be interviewed at the first interview. The second was applied to compensate for person noninterviews occurring in subsequent interviews. Another factor was applied to each interviewed person's weight to account for the SIPP sample areas not having the same population distribution as the strata from which they were selected.

An additional stage of adjustment to longitudinal person weights was performed to reduce the mean square error of the survey estimates. This was accomplished by bringing the sample estimates into agreement with monthly Current Population Survey (CPS) type estimates of the civilian (and some military) noninstitutional population of the United States by age, sex, race, Hispanic ethnicity, and householder/not householder status as of the specified control date. The control dates for the panel, 87CY, and 88CY weights were March 1, 1987; January 1, 1987; and January 1, 1988, respectively. The CPS estimates were themselves brought into agreement with estimates from the 1980 decennial census which have been adjusted to reflect births, deaths, immigration, emigration, and changes in the Armed Forces since 1980.

Use of Person Weights. Each person on the 1987 longitudinal panel file has three longitudinal person weights (some of which may be zero) for estimation of panel, 87CY, and 88CY person characteristics and two longitudinal household factors to be used only for exploratory

estimates of household and family characteristics. We strongly recommend that all nonexploratory analysis be confined to person analysis using the longitudinal person weights. For example, using 87CY person weights, one can estimate the number of persons receiving food stamps from January through March of 1987. Also, we recommend the use of longitudinal person weights for person characteristics based on household attributes. For example, using panel person weights, one can estimate the number of persons living in households which received food stamps during the period covered by the 1987 panel.

Person estimates, especially spell and transition estimates, tabulated from the 1987 SIPP longitudinal panel file should be considered preliminary and subject to revision. This file was created for purposes of survey research and evaluation, and the Bureau of the Census will continue to examine the data, correcting and improving the computer processing and estimation procedures where appropriate.

All estimates may be divided into two broad categories: longitudinal and cross-sectional. Longitudinal estimates require that data records for each person be linked across interviews, whereas cross-sectional estimates do not. For example, annual income estimates obtained by summing the 12 monthly income amounts for each person would require linking records and so would be longitudinal estimates. Because there is no linkage between interviews, cross-sectional estimates can combine data from different interviews only at the aggregate level. Longitudinal person weights were developed for longitudinal estimation, but may be used for cross-sectional estimation as well. However, note that wave files with cross-sectional weights are also produced for the SIPP. Because of the larger sample size available on the wave files, it is recommended that these files be used for cross-sectional estimation, if possible.

In this section it is assumed that all four rotation groups are used for estimation. If an estimate covers a time period for which data from some rotation groups are unavailable, refer to the section "Adjusting Estimates Which Use Less Than the Full Sample."

Some basic types of longitudinal and cross-sectional estimates which can be constructed using longitudinal person weights are described below in terms of estimated numbers. Of course, more complex estimates, such as percents, averages, ratios, etc., can be constructed from the estimated numbers. Longitudinal person weights can be used to construct the following types of longitudinal estimates:

1. The number of persons who have ever experienced a characteristic during a given time period.

To construct such an estimate, use the longitudinal person weight (panel, 87CY, or 88CY) for the shortest time period which covers the time period of interest, summing the weights over all persons who possessed the characteristic of interest at some point during the time period of interest. For example, to estimate the number of persons who ever received food stamps during the last six months of 1987 use the 87CY longitudinal person weight.

2. The amount of a characteristic accumulated by persons during a given time period.

To construct such an estimate, use the longitudinal person weight for the shortest time period which covers the time period of interest. Then compute the product of the weight times the amount of the characteristic and sum this product over all appropriate persons. For example, to estimate the aggregate 1987 annual income of persons who were employed during all 12 months of the year use the 87CY longitudinal person weight.

3. The average number of consecutive months of possession of a characteristic (i.e., the average spell length for a characteristic) during a given time period.

For example, one could estimate the average length of each spell of receiving food stamps during 1987. Also, one could estimate the average spell of unemployment that elapsed before a person found a new job. To construct such an estimate, first identify the persons who possessed the characteristic at some point during the time period of interest. Then, create two sums of these person's appropriate longitudinal weights: (1) sum the product of the weight times the number of months the spell lasted and (2) sum the weights only. Now, the estimated average spell length is given by (1) divided by (2). A person who experienced two spells during the time period of interest would be treated as two persons and appear twice in sums (1) and (2). An alternate method of calculating the average can be found in the section "Standard Error of a Mean or Aggregate."

4. The number of month-to-month changes in the status of a characteristic (i.e., number of transitions) summed over every set of two consecutive months during the time period of interest. To construct such an estimate, sum the appropriate longitudinal person weight each time a change is reported between two consecutive months during the time period of interest. For example, to estimate the number of persons who changed from receiving food stamps in July 1987 to not receiving in August 1987 add together the 87CY longitudinal person weights of each person who had such a change. To estimate the number of changes in monthly salary income during the third quarter of 1987 sum together the estimate of number of persons who made a change between July and August and between August and September.

Note that spell and transition estimates should be used with caution because of the biases that are associated with them. Sample persons tend to report the same status of a characteristic for all four months of a reference period. This tendency results in a bias toward reported spell lengths that are multiples of four months. This tendency also affects transition estimates in that, for many characteristics, the number of month-to-month transitions reported between the last month of one reference period and the first month of the next reference period are much greater than the number of reported transitions between

any two months within a reference period. Additionally, spells extending before or after the time period of interest are cut off (censored) at the boundaries of the time period. If they are used in estimating average spell length, a downward bias will result.

Also using longitudinal person weights one can construct the following type of cross-sectional estimate:

5. Monthly estimates of a characteristic averaged over a number of consecutive months.

For example, one could estimate the monthly average number of food stamp recipients over the months July through December 1987. To construct such an estimate, first form an estimate for each month in the time period of interest. Use the longitudinal person weight for the shortest time period which covers that month, summing over all persons who possessed the characteristic of interest during the month of interest. Then, sum the monthly estimates and divide by the number of months.

Estimation of Household Characteristics. To facilitate exploratory research based upon the Census Bureau's provisional longitudinal household definition, two different longitudinal household weights, termed adjustment factor 1 and adjustment factor 2, were created for each longitudinal household each month. These factors were then assigned to every member of the longitudinal household each month. The primary difference between the factors is that for married-couple households adjustment factor 1 was derived jointly from the panel longitudinal person weights of the householder and spouse, while adjustment factor 2 was derived solely from the panel longitudinal person weight of the householder.

For each month, five data fields are included on the longitudinal panel file to facilitate creation of household level estimates: (1) current household type, (2) key person, (3) other household member, (4) adjustment factor 1, (5) adjustment factor 2. Definitions of fields (1) through (3) as well as the provisional definitions of longitudinal household, original household, and successor household are provided below. In this section "month" refers to reference month unless stated otherwise.

LONGITUDINAL HOUSEHOLD: A longitudinal household is a household which exists during at least one month, but which may continue to exist for more than one month. A longitudinal household continues from one month to the next, if it has the same householder (and spouse, if present in the household), and if it is the same household type, where household type is defined below.

CURRENT HOUSEHOLD TYPE: Households are classified by type in the current month where household types are: (1) married-couple household, (2) other family household, male householder, (3) other family household, female householder, (4) non-family household, male householder, (5) non-family household, female householder.

ORIGINAL HOUSEHOLD: A household existing at the beginning of the

survey, i.e., a household which exists during the first interview month of the rotation group.

SUCCESSOR HOUSEHOLD: A household which is not an original household but which does exist during at least one month as an off-shoot of an original household. A successor household must exist during at least one month succeeding the first interview month of the rotation group, and must have a key person (see definition below) who was a member of an original household.

KEY PERSON: In married-couple longitudinal households both the householder and the householder's spouse are key persons. In all other types of longitudinal households, there is only one key person - the householder. In married-couple households at least one key person must have entered the sample at Wave 1. In all other household types, the key person must have entered the sample at Wave 1.

OTHER HOUSEHOLD MEMBER: A person who, during a specific month, is a member of a longitudinal household but is not a key person.

Adjustment factors 1 and 2 are presented in figure 1. In examining figure 1, keep the following principles in mind: Adjustment factors 1 and 2 are always derived from the panel longitudinal person weight(s) of an original householder (and/or key person). For every successor household, where the current month householder (and/or spouse) was a member of an original household, it is the householder (and/or spouse) of the original household who supplies the panel longitudinal person weight from which the adjustment factors are derived.

Figure 1. Adjustment Factors for Longitudinal Household Estimates - 1987 Longitudinal Panel File

	ORIGINAL HOUSEHOLDS		SUCCESSOR HOUSEHOLDS					
	Married Couple	Other	Married Couple				Other	
			HHer entered sample in Wave 1		HHer entered sample in Wave 2+		HHer entered sample in Wave 1	HHer entered sample in Wave 2+
			Other KP entered sample in Wave 1	Other KP entered sample in Wave 2+	Other KP entered sample in Wave 1	Other KP entered sample in Wave 2+		
AF1	mean LPW of two key persons	LPW of HHer	first monthly value of AF1	%first monthly value of AF1	%first monthly value of AF1	Zero ¹	first monthly value of AF1	Zero ²
AF2	LPW of HHer	LPW of HHer	first monthly value of AF2	first monthly value of AF2	Zero ¹	Zero ¹	first monthly value of AF2	Zero ¹

AF1 = Adjustment factor 1;

AF2 = Adjustment factor 2;

LPW = Panel longitudinal person weight;

Wave 2+ = Wave 2 or later wave

HHer = Current month householder;

KP = Current month key person

¹These cells are added for completeness. By definition, these are not successor households.

Note: The situation where a successor household is formed by the merging of two Wave 1 households is not covered in figure 1. Original sample persons who move into another sample household cannot be linked to their original household and so are treated as if they entered the sample in Wave 2+.

Use of Household Weights. Adjustment factor 1, adjustment factor 2, and the related data fields are intended to provide the basis for exploratory household and family estimates. For example, by using adjustment factor fields for key persons (in married couple households, one key person must be selected) with additional variables, estimates pertaining to longitudinal households can be derived for statements equivalent to the following: "During the period from month 'A' to month 'B', there were 'C' households with characteristics 'D'." An example of such a statement would be: "During the period from January to December 1987, there were 'C' households which received food stamps for 10 or more months." All such estimates should be considered exploratory, because the adjustment factors do not explicitly take into account several possible sources of bias, including differential attrition from the sample, with the result that the estimates may, even as national estimates, be subject to substantial bias. The purpose of including these data fields on the longitudinal panel file is to facilitate analyses that may be useful in developing improved longitudinal household weights. Although the exploratory adjustment factors may be useful for other purposes, the Census Bureau intends that these factors be used for only this one purpose.

Exploratory household (family) estimates can be formed using either adjustment factor 1 or adjustment factor 2. At present, there is insufficient evidence to recommend one factor over the other in any given situation. To form exploratory household (family) estimates, use the adjustment factor deemed appropriate, summing over all households (families) possessing the characteristic of interest. Note that both adjustment factors for a household will remain the same for each month the household exists. Therefore, the appropriate adjustment factor for a household can be taken from any month of a household's existence. Also, note that the adjustment factors assigned to each member of a household actually apply to the entire household. As an example of the use of these adjustment factors, suppose one had an independent estimate of the number of households which received food stamps for 10 months or more during 1987 and wanted to compare it to the SIPP estimate. To construct the SIPP estimate, first, using appropriate data fields (e.g., current household type, key person), identify all households which existed for exactly 10, 11, and 12 months during 1987; then sum adjustment factor 1 or adjustment factor 2 over all of the identified households which received food stamps for the appropriate time period.

Adjusting Estimates Which Use Less Than the Full Sample. All four rotation groups of data are not available for reference months October through December 1986 or February through April 1989 (see table 1). If the time period of interest for a given estimate (of person or household characteristics) includes these months, the estimate may need to be adjusted in some way to account for the missing rotation groups. For longitudinal estimates (types 1-4) this adjustment factor equals four divided by the number of rotation groups contributing data. For example, if the time period of interest for a given estimate is December 1986, then data will be available only from rotation groups 2, 3, and 4. Therefore, a factor of $4/3 = 1.3333$ will be applied. To estimate the number of persons ever unemployed in the fourth quarter of

1986, only data from rotation group 2 are available. Thus, a factor of $4/1 = 4$ will be applied.

Note that, if the given estimate is an average of monthly estimates (estimate type 5), then the number of rotation groups and the factor used will be determined independently for each month in the average and the adjusted monthly estimates will be averaged together in the usual way. For example, to estimate the average number of persons unemployed per month in the fourth quarter of 1986, the October, November, and December data will be multiplied by $4/1$, $4/2$, and $4/3$ respectively before being summed together and divided by three.

ACCURACY OF ESTIMATES

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

Note that estimates from this sample for individual states are subject to very high sampling errors 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.

Nonsampling Variability. Nonsampling errors can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness on the part of the respondents to provide correct information, inability to recall information, errors made in collection such as in 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 rotation pattern used, and failure of all units in the universe to have some probability of being selected for the sample (undercoverage). Quality control and edit procedures were used to reduce errors made by respondents, coders and interviewers.

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

The Bureau has used complex techniques to adjust the weights for nonresponse, but the success of these techniques in avoiding bias is unknown.

Comparability with Other Estimates. Caution should be exercised when comparing data from this file with data from other SIPP publications or with data from other surveys. The comparability problems are caused by the seasonal patterns for many characteristics, by different nonsampling errors, and by different concepts and procedures.

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

USES AND COMPUTATION OF STANDARD ERRORS

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

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.
3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples.

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

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

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

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

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

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

Computation of Standard Error Parameters. In this section we discuss the adjustment of base "a" and "b" parameters to provide "a" and "b" parameters appropriate for each type of longitudinal and cross-sectional estimate described in the section "Use of Person Weights." Later sections will discuss the use of the adjusted parameters in various formulas to compute standard errors of estimated numbers, percents, averages, etc. Tables 4, 5, and 6 provide the base "a" and "b" parameters needed to compute approximate standard errors

for estimates using panel, 87CY, and 88CY weights, respectively. (Users should be aware that these parameters are preliminary and may be revised in the future.) Table 7 provides additional factors to be used for averages of monthly cross-sectional estimates. These factors are needed for two reasons: the monthly estimates are correlated and averaging over a greater number of monthly estimates will produce an average with a smaller standard error. Table 8 gives correlations between quarterly and yearly averages of cross-sectional estimates. These correlations are used in the formula for the standard error of a difference (formula (11)). If household estimates have been produced using adjustment factor 1 or adjustment factor 2, then follow the procedures described below, but use the household "a" and "b" parameters in table 4.

The creation of appropriate "a" and "b" parameters for the previously discussed types of estimates are described below. Again, it is assumed that all four rotation groups are used in estimation. If not, refer to the section "Adjusting Standard Errors of Estimates Which Use Less Than the Full Sample."

1. The number of persons who have ever experienced a characteristic during a given time period.

The appropriate "a" and "b" parameters are taken directly from table 4, 5, or 6. The choice of parameter depends on whether panel, 87CY, or 88CY weights were used, on the characteristic of interest, and on the demographic subgroup of interest.

2. Amount of a characteristic accumulated by persons during a given time period.

The appropriate "b" parameters are also taken directly from table 4, 5, or 6.

3. The average number of consecutive months of possession of a characteristic per spell (i.e., the average spell length for a characteristic) during a given time period.

Start with the appropriate base "a" and "b" parameters from table 4, 5, or 6. The parameters are then inflated by an additional factor, g, to account for persons who experience multiple spells during the time period of interest. This factor is computed by:

$$g = \frac{\sum_{i=1}^n m_i^2}{\sum_{i=1}^n m_i} \quad (1)$$

where there are n persons with at least one spell and m_i is the number of spells experienced by person i during the time period of interest.

4. The number of month-to-month changes in the status of a characteristic (i.e., number of transitions) summed over every set of two consecutive months during the time period of interest.

Obtain a set of adjusted "a" and "b" parameters exactly as just described in 3, then multiply these parameters by an additional factor. Use 1.0000 if the time period of interest is two months and 2.0000 for a longer time period. (The factor of 2.0000 is based on the conservative assumption that each spell produces two transitions within the time period of interest.)

5. Monthly estimates of a characteristic averaged over a number of consecutive months.

Appropriate base "a" and "b" parameters are taken from table 4, 5, or 6. If more than one longitudinal weight has been used in the monthly average, then there is a choice of parameters from two or more of tables 4, 5, and 6. Choose the table which gives the largest parameter. Next, multiply the base "a" and "b" parameters by the factor from table 7 corresponding to the number of months in the average.

Adjusting Standard Error Parameters for Estimates which Use Less Than the Full Sample. If some rotation groups are unavailable to contribute data to a given estimate, then the estimate and its standard error need to be adjusted. The adjustment of the estimate is described in a previous section. The standard error of a longitudinal estimate (types 1-4) is adjusted by multiplying the appropriate "a" and "b" parameters by a factor equal to four divided by the number of rotation groups contributing data to the estimate. Note that the parameters for the standard error of an average must still be adjusted according to this rule, even though the average itself is unaffected by the adjustment for missing rotation groups.

For the standard error of cross-sectional estimates which cover only one month, the factor can be computed as just described or it can be taken from table 3, where the factor is given for each single reference month, October 1986 to April 1989. For the standard error of quarterly averages of monthly estimates which use less than the full sample, special factors are used, also given in table 3, for the fourth quarter of 1986 to the first quarter of 1989.

As an example, suppose we want a standard error for the estimated number of females who have ever received food stamps during the fourth quarter of 1986. The appropriate "a" and "b" parameters are -0.0003441 and 30,767, respectively (from table 4). Because only one rotation group is available for this estimate (see table 1), a factor of $4/1 = 4.0000$ would be applied to obtain final "a" and "b" parameters of -0.0013764 and 123,068, respectively. Suppose that instead, we were interested in the cross-sectional estimate of the average monthly number of female food stamp recipients for the fourth quarter of 1986. In that case a factor of 1.8519 (from table 3) would be applied to obtain final "a" and "b" parameters of -0.0006372 and 56,977, respectively. Note that only panel "a" and "b" parameters will be

affected by this adjustment; no such adjustment is ever needed for 87CY and 88CY parameters.

Standard Errors of Estimated Numbers. The approximate standard error of an estimated number can be obtained by using formula (2):

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

Here x is the estimated number and "a" and "b" are the parameters associated with the particular type of characteristic for the appropriate longitudinal time period, i.e., panel, 87CY, or 88CY.

Illustration. Suppose the SIPP estimate of the number of persons ever receiving Social Security during the first three months of 1987 is 34,122,000. (This estimate is obtained using the CY87 weights.) The appropriate "a" and "b" parameters to use in calculating a standard error for the estimate are obtained from table 5. They are $a = -0.0001685$, $b = 28,695$, respectively. Using formula (2), the approximate standard error is

$$\sqrt{(-0.0001685) (34,122,000)^2 + (28,695) (34,122,000)} = 885,000 \text{ persons.}$$

The 90-percent confidence interval as shown by the data is from 32,706,000 to 35,538,000. 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 percent of all samples. Similarly, using twice the standard error, we could conclude that the average estimate derived from all possible samples lies within the interval 32,387,000 to 35,857,000 with 95 percent confidence.

Standard Error of a Mean or Aggregate. A mean is defined here to be the average quantity of some characteristic (other than the number of persons, families, or households) per person, family, or household. An aggregate is defined to be the total quantity of some characteristic summed over all units in a subpopulation. For example, a mean could be the average annual income of females age 25 to 34; an aggregate, the total annual income for that subpopulation. The standard error of a mean can be approximated by formula (3) below and the standard error of an aggregate can be approximated by formula (4). Because of the approximations used in developing formulas (3) and (4), an estimate of the standard error of the mean or aggregate obtained from these formulas will generally underestimate the true standard error. The

formula used to estimate the standard error of a mean, \bar{x} , is

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

where y is the base, s^2 is the estimated population variance of the characteristic and b is the "b" parameter associated with the particular type of characteristic. The standard error of an aggregate k is estimated by:

$$s_k = \sqrt{b y s^2}. \quad (4)$$

The population variance, s^2 , may be estimated by one of two methods: the first method uses data that has been grouped into intervals, the second method uses ungrouped data. The second method is recommended because it is more precise. However, the first method will be easier to implement if grouped data is already being used as part of the analysis. In both methods it is assumed x_i is the value of the characteristic for person i .

To use the first method, the range of values for the characteristic is divided into c intervals, where the lower and upper boundaries of interval j are Z_{j-1} and Z_j , respectively. Each person is placed into one of the c groups such that the value of the characteristic is between Z_{j-1} and Z_j . The estimated population variance, s^2 , is then given by:

$$s^2 = \sum_{j=1}^c p_j m_j^2 - \bar{x}^2, \quad (5)$$

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

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

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

$$\bar{x} = \sum_{j=1}^c p_j m_j. \quad (6)$$

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

$$s^2 = \frac{\sum_{i=1}^n w_i x_i^2}{\sum_{i=1}^n w_i} - \bar{x}^2, \quad (7)$$

where there are n sample persons with the characteristic of interest and w_i is the final weight for person i (note that $\sum w_i = y$). The mean, \bar{x} , can be obtained from the formula

$$\bar{x} = \frac{\sum_{i=1}^n w_i x_i}{\sum_{i=1}^n w_i}. \quad (8)$$

Illustration of Method 1. Suppose that the 1987 distribution of annual incomes are given in table 2 for persons aged 25 to 34 who were employed for all 12 months of 1987.

The mean annual cash income from formula (6) is

$$\begin{aligned} \bar{x} &= \frac{1,371 (2,500)}{39,851} + \frac{1,651 (6,250)}{39,851} + \dots + \frac{1,493 (105,000)}{39,851} \\ &= \$26,717. \end{aligned}$$

Using formula (5) and the mean annual cash income of \$26,717 the estimated population variance, s^2 , is

$$\begin{aligned} s^2 &= \frac{1,371 (2,500)^2}{39,851} + \frac{1,651 (6,250)^2}{39,851} + \dots + \frac{1,493 (105,000)^2}{39,851} - (26,717)^2 \\ &= 468,331,633. \end{aligned}$$

The appropriate "b" parameter from table 5 is 9,783. Now, using formula (3), the estimated standard error of the mean is

$$\frac{s}{x} = \sqrt{\frac{9,783}{39,851,000}} \quad (468,331,633) = \$339$$

Illustration of Method 2. Suppose that we are interested in estimating the average length of spells of food stamp reciprocity during the calendar year 1987 for a given subpopulation. Also, suppose there are only 10 sample persons in the subpopulation who were food stamp recipients. (This example is for illustrative purposes only; actually, 10 sample cases would be too few for a reliable estimate.) The number of consecutive months of food stamp reciprocity during 1987 and the S7CY weight are given below for each sample person:

<u>Sample Person</u>	<u>Spell Length (in months)</u>	<u>Final Weight</u>
1	4,3	5,300
2	5	7,100
3	9	4,900
4	3,3,2	6,500
5	12	9,200
6	12	5,900
7	4,1	7,600
8	7	4,200
9	6	5,500
10	4	5,700

Using formula (8), the average spell of food stamp reciprocity is estimated to be

$$\begin{aligned} \bar{x} &= \frac{(5300)(4) + (5300)(3) + \dots + (5700)(4)}{5300 + 5300 + \dots + 5700} \\ &= 473,100/87,800 \\ &= 5.4 \text{ months} \end{aligned}$$

The standard error will be computed by formula (3). First, the estimated population variance can be obtained by formula (7):

$$\begin{aligned} s^2 &= \frac{(5300)(4)^2 + (5300)(3)^2 + \dots + (5700)(4)^2}{5300 + 5300 + \dots + 5700} - (5.4)^2 \\ &= 12.4 \text{ (months)}^2 \end{aligned}$$

Next, the base "b" parameter of 28,695 is taken from table 5 and multiplied by the factor computed from formula (1):

$$g = \frac{2^2 + 1 + 1 + 3^2 + 1 + 1 + 2^2 + 1 + 1 + 1}{2 + 1 + 1 + 3 + 1 + 1 + 2 + 1 + 1 + 1}$$

$$= 1.71$$

Therefore, the final "b" parameter is 49,068 and the standard error of the mean is

$$s = \sqrt{\frac{49,068}{87,800}} \quad (12.4) = 2.6 \text{ months.}$$

Standard Errors of Estimated Percentages. This section refers to the percentages of a group of persons, families, or households possessing a particular attribute and to percentages of money or related concepts. The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are over 50 percent. For example, the percent of employed persons is more reliable than the estimated number of employed persons. When the numerator and denominator of the percentage have different parameters, use the parameter of the numerator. If proportions are presented instead of percentages, note that the standard error of a proportion is equal to the standard error of the corresponding percentage divided by 100.

There are two types of percentages commonly estimated. The first type is the percentage of persons sharing a particular characteristic such as the percentage of persons owning their own home or the percentage of January food stamp recipients who were also receiving food stamps in July. 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 percentage of wealth held by persons with high income and the percentage of annual income received by females.

For the percentage of persons, the approximate standard error, $s(x,p)$, of the estimated percentage, p , can be obtained by the formula:

$$s(x,p) = \sqrt{\frac{b}{x} p(100-p)} \quad (9)$$

Here x is the base of the percentage, p is the percentage ($0 < p < 100$), and b is the "b" parameter for the numerator.

Illustration. Suppose that an estimated 46,023,000 males were employed in July 1988 and an estimated 2.4 percent of them became unemployed in August 1988. The base "b" parameter is 9,979 (from table 6). Using formula (9) and the appropriate "b" parameter, the approximate standard error is

$$\sqrt{\frac{(9,979)}{(46,023,000)} (2.4)(100-2.4)} = 0.23 \text{ percent}$$

Consequently, the 90-percent confidence interval as shown by these data is from 2.0 to 2.8 percent.

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

$$PM = (X_A/X_N) \times 100$$

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

$$PM = p_A (\bar{x}_A/\bar{x}_N) \times 100$$

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

$$s_M = \sqrt{\left[\frac{p_A \bar{x}_A}{\bar{x}_N} \right]^2 \left[\left[\frac{s_p}{p_A} \right]^2 + \left[\frac{s_A}{\bar{x}_A} \right]^2 + \left[\frac{s_N}{\bar{x}_N} \right]^2 \right]} \quad (10)$$

where s_p is the standard error of p_A , s_A is the standard error of \bar{x}_A and s_N is the standard error of \bar{x}_N . To calculate s_p , use formula (9). The standard errors of \bar{x}_N and \bar{x}_A may be calculated using formula (3).

It should be noted that there is frequently some correlation between the characteristics estimated by p_A , \bar{x}_N , and \bar{x}_A . These correlations,

if present, will cause a tendency towards overestimates or underestimates, depending on the relative sizes of the correlations and whether they are positive or negative.

Illustration. Suppose that in October 1988 an estimated 8.8% of males 16 years and over were black, the mean monthly earnings of these black males was 1288, the mean monthly earnings of all males 16 years and over was 1911, and the corresponding standard errors are .37%, 36, and 27. Then, the percent of male earnings made by blacks in October 1988 is:

$$PM = .088 \left[\frac{1288}{1911} \right] \times 100$$

$$= 5.9\%$$

Using formula (10), the approximate standard error is:

$$SM = \sqrt{\left[\frac{(.088)(1288)}{1911} \right]^2 \left[\left[\frac{.0037}{.0880} \right]^2 + \left[\frac{36}{1288} \right]^2 + \left[\frac{27}{1911} \right]^2 \right]}$$

$$= 0.31\%$$

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

$$S_{(x-y)} = \sqrt{s_x^2 + s_y^2 - 2rs_x s_y}, \quad (11)$$

where s_x and s_y are the standard errors of the estimates x and y. The estimates can be numbers, averages, percents, ratios, etc. The correlation between x and y is represented by r. Some estimated correlations are given in table 8. These correlations apply only to cross-sectional estimates of the same characteristic at two points of time. The cross-sectional estimates must be monthly estimates averaged over quarters or years (see the section "Use of Person Weights" for a discussion of cross-sectional estimates). Correlations are given for both person and household characteristics. If no correlation has been provided for a given set of x and y estimates, then assume $r = 0$. If r is assumed to be zero and the true correlation is really positive (negative), then this assumption will result in a tendency towards overestimates (underestimates) of the true standard error.

Illustration. Suppose that we are interested in the change from 1987 to 1988 in the average monthly number of persons with monthly cash income above \$5,000. An estimate of the number of persons in this income bracket has been obtained for each month of 1987 and 1988. Averaging the 12 monthly estimates for 1987 produces an estimate of 3,186,000 for the average number of persons in this monthly income bracket during 1987 (based on 87CY weights). The similar estimate for

1988 is 3,619,000 (based on BSCY weights). The difference in estimates is 433,000.

The standard error of the 1987 estimate is computed next. Base "a" and "b" parameters from table 5 are -0.0000573 and 9,783, respectively. Because 12 monthly estimates were used in the average, these parameters are multiplied by a factor of 0.86 from table 7 to yield final parameters of -0.0000492 and 8,413. Using formula (2), the standard error of the 1987 estimate is

$$\sqrt{(-0.0000492)(3,186,000)^2 + (8,413)(3,186,000)} = 162,000 \text{ persons.}$$

In a similar manner, using parameters from table 6, the standard error of the 1988 estimate is 174,000. Now, the standard error of the difference is computed using the above two standard errors and the appropriate correlation of 0.56 from table 8. The standard error of the difference is computed by formula (11):

$$\sqrt{(162,000)^2 + (174,000)^2 - 2(0.56)(162,000)(174,000)} = 158,000 \text{ persons.}$$

Suppose that it is desired to test at the 10 percent significance level whether the average number of persons with monthly cash income above \$5,000 had changed from 1987 to 1988. To perform the test, compare the difference of 433,000 to the product $1.6 \times 156,000 = 249,600$. Since the difference is larger than 1.6 times the standard error of the difference, the data show that the two years are significantly different at the 10 percent level.

Standard Error of a Median. The median quantity of some characteristic such as income for a given subpopulation of persons, families, or households is that quantity such that at least half the subpopulation have as much or more and at least half have as much or less. The sampling variability of an estimated median depends upon the form of the distribution of the characteristic as well as the size of the subpopulation.

The median, like the mean, can be estimated using either data which has been grouped into intervals or ungrouped data. If grouped data are used, the median is estimated using formulas (12) or (13) with $p = 0.5$. If ungrouped data are used, the data records are ordered based on the value of the characteristic, then the estimated median is the value of the characteristic such that the weighted estimate of 50 percent of the subpopulation falls at or below that value and 50 percent is at or above that value. Note that the method of standard error computation which is presented here requires the use of grouped data. Therefore, it should be easier to compute the median by grouping the data and using formulas (12) or (13).

An approximate method for measuring the reliability of an estimated median is to determine a confidence interval about it (see the section

"Confidence Intervals"). The following procedure may be used to estimate the 68-percent confidence limits and hence the standard error of a median based on sample data.

1. Determine, using formula (9), 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 characteristic within the group, calculate the quantity of the characteristic such that the percent of the group owning more 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 characteristic such that the percent of the group owning more is equal to the larger percentage found in step (2). This quantity will be the lower limit for the 68-percent confidence interval (note that a median computed from ungrouped data may or may not fall in this confidence interval);
4. Divide the difference between the two quantities determined in step (3) by two to obtain the standard error of the median.

To perform step (3), it will be necessary to interpolate. Different methods of interpolation may be used. The most common are simple linear interpolation and Pareto interpolation. The appropriateness of the method depends on the form of the distribution around the median. We recommend Pareto interpolation in most instances. Interpolation is used as follows. The quantity of the item such that p percent own more is

$$x_{pN} = \exp \left\{ \frac{\ln (pN/N_1)}{\ln (N_2/N_1)} \ln (A_2/A_1) \right\} A_1 \quad (12)$$

if Pareto interpolation is indicated and

$$x_{pN} = \left[\frac{pN - N_1}{N_2 - N_1} \right] (A_2 - A_1) + A_1 \quad (13)$$

if linear interpolation is indicated, where

- | | |
|-----------------|--|
| N | is 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.

It should be noted that a mathematically equivalent result is obtained by using common logarithms (base 10) and antilogarithms.

Illustration. To illustrate the calculations for the standard error of a median, we return to the first example used to illustrate the standard error of a mean. The median annual income for this group is computed by formula (12) to be \$18,317. The size of the group is 39,851,000.

1. Using formula (9) and the appropriate "b" parameter of 9,783, the standard error of 50 percent on a base of 39,851,000 is about 0.8 percentage points.
2. Following step (2), the two percentages of interest are 49.2 and 50.8.
3. By examining table 2, we see that the percentage 49.2 falls in the income interval from \$17,500 to \$19,999. (Since 55.5 percent receive \$17,500 or more per year, but only 40.9 percent receive \$20,000 or more per year, the quantity that exactly 49.2 percent receive more than must be between \$17,500 and \$19,999.) Thus $A_1 = \$17,500$, $A_2 = \$19,999$, $N_1 = 22,117,000$, and $N_2 = 16,299,000$. Implementing Pareto interpolation, the upper bound of a 68-percent confidence interval for the median is

$$\exp \left[\frac{\text{Ln} [(0.492)(39,851,000)/(22,117,000)]}{\text{Ln} [(16,299,000)/(22,117,000)]} \text{Ln} \frac{(19,999)}{(17,500)} \right] 17,500$$

= \$18,446.

Also by examining table 2, we see that the percentage of 50.8 falls in the same income interval. Thus, A_1 , A_2 , N_1 , and N_2 are the same as above. The lower bound of a 68-percent confidence interval for the median is

$$\exp \left[\frac{\text{Ln} [(0.508)(39,851,000)/(22,117,000)]}{\text{Ln} [(16,299,000)/(22,117,000)]} \text{Ln} \frac{(19,999)}{(17,500)} \right] 17,500$$

= \$18,189

and the 68-percent confidence interval on the estimated median of \$18,317 is from \$18,189 to \$18,446. An approximate standard error is

$$\frac{\$18,446 - \$18,189}{2} = \$129.$$

If linear interpolation is used, the median is estimated using formula (13) to be \$18,440 and the 68-percent confidence interval of the estimated median is from \$18,303 to \$18,578. The approximate standard error is \$138.

Standard Errors of Ratios of Means or Medians. The standard error for a ratio of means or medians is approximated by formula (14):

$$s_{\frac{x}{y}} = \sqrt{\left(\frac{x}{y}\right)^2 \left[\left(\frac{s_x}{x}\right)^2 + \left(\frac{s_y}{y}\right)^2 \right]} \quad (14)$$

where x and y are the means or medians, and s_x and s_y are their associated standard errors. Formula (14) assumes that the means or medians are not correlated. If the correlation between the population means or medians 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 or medians.

Combined Panel Estimates and Their Standard Errors. Both the 1986 and 1987 panels collected data for October 1986 - March 1988. The 1986 and 1987 longitudinal panel files make it possible to create joint estimates for this time period. However, it is recommended that only joint estimates in calendar year 1987 (January 1987 - December 1987) be obtained by combining data from these longitudinal files. Care should be taken when combining and evaluating data from the two panels since the questionnaire for the two panels differ somewhat and since the length of time in sample for respondents from the two panels differ.

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

1. Combining Separate Estimates

Corresponding estimates for months in calendar year 1987 from the 1986 and 1987 panels, respectively, can be combined to create joint estimates by using the formula:

$$\hat{x} = w \hat{y} + (1 - w) \hat{z} \quad (15)$$

where:

\hat{x} = joint estimate of level for calendar year 1987;

\hat{y} = estimate from the 1986 panel (formed using 87CV weights);

\hat{x}
 z = estimate from the 1987 panel (formed using 87CY weights).
 w = weighting factor of the 1986 panel. In this case, use w value of 0.488.

2. Combining Data from Separate Files

Start by first creating a file containing the data from the two longitudinal files. Corresponding data can be combined to create joint estimates by using the formula

$$\hat{x} = \sum_i (w) y_i + \sum_j (1 - w) z_j \quad (16)$$

where:

\hat{x}
 x = joint estimate of level for calendar year 1987
 y_i = the 87CY weight of person i from the 1986 panel with the characteristic
 z_j = the 87CY weight of person j from the 1987 panel with the characteristic
 w = weighting factor of the 1986 panel. In this case, use a w value of 0.488.

For either method, the approximate standard error of the combined estimate (\hat{x}) can be calculated using formulas (1) through (14) where "a" and "b" parameters are 1987 longitudinal panel 87CY parameters given in table 5 adjusted by 0.506.

When forming joint estimates by method (1), s^2 , given by formula (5), should be calculated by forming a distribution for each panel. The range of values for the item will be divided into intervals. Combined estimates for each interval can be obtained using formula (15). Formula (5) can be applied to the combined distribution. To

calculate \bar{x} and s^2 given by formulas (7) and (8), replace x_i with (0.488) x_i from the 1986 panel and (0.512) x_i for x_i from the 1987 panel.

Illustration. Suppose SIPP estimates for 87CY of the 1987 panel show that there were 1,493,000 persons with annual income above \$70,000. Also, suppose SIPP estimates for 87CY of the 1986 panel show that there were 1,473,000 with annual income above \$70,000.

Using formula (15), the joint level estimate is

$$\begin{aligned}\hat{x} &= 0.488 (1,473,000) + 0.512 (1,493,000) \\ &= 1,483,000 \text{ persons.}\end{aligned}$$

The combined panel parameters for \hat{x} are obtained by multiplying parameters $a = -0.0000573$ and $b = 9,783$ from table 5 by 0.506, resulting in $a' = -0.0000289$ and $b' = 4950$.

Using formula (2), the approximate standard error is

$$\begin{aligned}s_{\hat{x}} &= \sqrt{(-0.0000289)(1,483,000)^2 + 4950(1,483,000)} \\ &= 85,300 \text{ persons.}\end{aligned}$$

Table 1. REFERENCE MONTHS FOR EACH INTERVIEW MONTH - 1987 Longitudinal Panel File

Month of Interview	Wave	Rotation Group	Reference Month			
			(1986)	(1987)	(1988)	(1989)
February 1987	1	2				
March	2	3	Oct, Nov, Dec, Jan			
April	1	4	Nov, Dec, Jan, Feb			
May	1	1	Dec, Jan, Feb, Mar			
June	2	2	Jan, Feb, Mar, Apr			
July	2	3	Feb, Mar, Apr, May			
August	2	4	Mar, Apr, May, Jun			
September	2	1	Apr, May, Jun, Jul			
October	3	2	May, Jun, Jul, Aug			
November	3	3	Jun, Jul, Aug, Sept			
December	3	4	Jul, Aug, Sept, Oct			
January 1988	3	1	Aug, Sept, Oct, Nov			
February	4	2	Sept, Oct, Nov, Dec			
March	4	3	Oct, Nov, Dec, Jan			
April	4	4	Nov, Dec, Jan, Feb			
May	4	1	Dec, Jan, Feb, Mar			
June	5	2	Jan, Feb, Mar, Apr			
July	5	3	Feb, Mar, Apr, May			
August	5	4	Mar, Apr, May, Jun			
September	5	1	Apr, May, Jun, Jul			
October	6	2	May, Jun, Jul, Aug			
November	6	3	Jun, Jul, Aug, Sept			
December	6	4	Jul, Aug, Sept, Oct			
January 1989	6	1	Aug, Sept, Oct, Nov			
February	7	2	Sept, Oct, Nov, Dec			
March	7	3	Oct, Nov, Dec, Jan			
April	7	4	Nov, Dec, Jan, Feb			
May	7	1	Dec, Jan, Feb, Mar			
			Jan, Feb, Mar, Apr			

Table 2. Distribution of Annual Income Among Persons 25 To 34 Years Old.

	Total	under \$5000	\$5000 to \$7499	\$7500 to \$9999	\$10000 to \$12499	\$12500 to \$14999	\$15000 to \$17499	\$17500 to \$19999	\$20000 to \$29999	\$30000 to \$39999	\$40000 to \$49999	\$50000 to \$59999	\$60000 to \$69999	\$70000 and over
Persons (in thousands)	39,851	1371	1651	2259	2734	3452	6278	5799	4730	3723	2519	2619	1223	1493
Percent with at least as much as lower bound of interval	--	100.0	96.8	92.4	86.7	79.9	71.2	55.3	40.9	29.1	19.7	13.4	6.8	3.7

Table 3: Factors to be Applied to Generalized Variance Parameters to
Adjust for Missing Rotation Months - 1987 Longitudinal Panel
File

<u>For Monthly Estimates</u>		<u>Factor</u>
October	1986	4.0000
November	1986	2.0000
December	1986	1.3333
January	1987	
to December	1988	1.0000
January	1989	1.0000
February	1989	1.3333
March	1989	2.0000
April	1989	4.0000
<u>For Quarterly Averages</u>		<u>Factor</u>
4th Quarter 1986		1.8519
1st Quarter 1987		
to 4th Quarter 1988		1.0000
1st Quarter 1989		1.2222

Table 4: SIPP Indirect Generalized Variance Parameters for Estimates
Using Panel Weights - 1987 Longitudinal Panel File

	a	b
PERSONS		
Total or White		
16+ Program Participation and Benefits, Poverty (3)		
Both Sexes	-0.0001307	30,767
Male	-0.0003801	30,767
Female	-0.0003441	30,767
16+ Income and Labor Force (5)		
Both Sexes	-0.0000615	10,490
Male	-0.0001297	10,490
Female	-0.0001172	10,490
16+ Pension Plan ¹ (4)		
Both Sexes	-0.0001126	19,210
Male	-0.0002375	19,210
Female	-0.0002147	19,210
All Others ¹ (6)		
Both Sexes	-0.0001654	38,147
Male	-0.0003421	38,147
Female	-0.0003203	38,147
Black		
Poverty (1)		
Both Sexes	-0.0009445	26,244
Male	-0.0020159	26,244
Female	-0.0017767	26,244
All Others (2)		
Both Sexes	-0.0005115	14,113
Male	-0.0010991	14,113
Female	-0.0009565	14,113
HOUSEHOLDS/FAMILIES/UNRELATED INDIVIDUALS²		
Total or White	- 0.0001425	12,963
Black	- 0.0008930	8,957

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

2 These parameters can be used for exploration of household and family concepts.

Note: For cross-tabulations, apply the parameters of the category showing the smaller number in parentheses.

Table 5: SIPP Indirect Generalized Variance Parameters for Estimates
Using 87CY Weights - 1987 Longitudinal Panel File

PERSONS	a	b
Total or White		
16+ Program Participation and Benefits, Poverty (3)		
Both Sexes	-0.0001685	28,695
Male	-0.0003545	28,695
Female	-0.0003209	28,695
16+ Income and Labor Force (5)		
Both Sexes	-0.0000573	9,783
Male	-0.0001209	9,783
Female	-0.0001093	9,783
16+ Pension Plan ¹ (4)		
Both Sexes	-0.0001050	17,916
Male	-0.0002215	17,916
Female	-0.0002003	17,916
All Others ¹ (6)		
Both Sexes	-0.0001543	35,577
Male	-0.0003191	35,577
Female	-0.0002987	35,577
Black		
Poverty (1)		
Both Sexes	-0.0008808	24,476
Male	-0.0018801	24,476
Female	-0.0016570	24,476
All Others (2)		
Both Sexes	-0.0004770	13,162
Male	-0.0010250	13,162
Female	-0.0008921	13,162

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

Note: For cross-tabulations, apply the parameters of the category showing the smaller number in parentheses.

Table 6: SIPP Indirect Generalized Variance Parameters for Estimates
Using 88CY Weights - 1987 Longitudinal Panel File

PERSONS	a	b
Total or White		
16+ Program Participation and Benefits, Poverty (3)		
Both Sexes	-0.0001719	29,270
Male	-0.0003616	29,270
Female	-0.0003273	29,270
16+ Income and Labor Force (5)		
Both Sexes	-0.0000585	9,979
Male	-0.0001234	9,979
Female	-0.0001115	9,979
16+ Pension Plan ¹ (4)		
Both Sexes	-0.0001071	18,275
Male	-0.0002260	18,275
Female	-0.0002043	18,275
All Others ¹ (6)		
Both Sexes	-0.0001574	36,290
Male	-0.0003255	36,290
Female	-0.0003047	36,290
Black		
Poverty (1)		
Both Sexes	-0.0008985	24,966
Male	-0.0019178	24,966
Female	-0.0016902	24,966
All Other (2)		
Both Sexes	-0.0004866	13,426
Male	-0.0010456	13,426
Female	-0.0009100	13,426

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

Note: For cross-tabulations, apply the parameters of the category showing the smaller number in parentheses.

Table 7. Factors to be Applied to Generalized Variance Parameters to Adjust for the Number of Months Used in an Average of Monthly Estimates - 1987 Longitudinal Panel File

<u>Number of Months</u>	<u>Factor</u>
1 - 3	1.00
4 - 5	0.97
6 - 7	0.94
8 - 9	0.91
10 - 11	0.89
12 - 13	0.86
14 - 15	0.84
16 - 19	0.82
20 - 23	0.78
24 - 29	0.75
30+	0.72

Table 8: Correlations between Estimates of the Same Characteristic at Two Points of Time. Both Estimates must be Monthly Estimates Averaged over Quarters or Years

	Quarterly Estimates				Calendar Year Estimates
	Consecutive	1 Quarter	2 Quarters	3 Quarters	1987 to
	<u>Quarters</u>	<u>Apart</u>	<u>Apart</u>	<u>Apart</u>	<u>1988</u>
PERSONS					
A. Both Estimates Use B7CY Weights or Both Use B8CY Weights					
Income					
Social Security or Private Pensions	0.97	0.86	0.75		
Other	0.83	0.73	0.62		
Other	0.72	0.63	0.54		
B. One Estimate uses B7CY Weights, the Other uses B8CY Weights					
Income					
Social Security or Private Pensions	0.81	0.72	0.63	0.55	0.70
Other	0.70	0.61	0.52	0.44	0.56
Other	0.60	0.53	0.45	0.37	0.49
C. Both Estimates use Panel Weights ¹					
Income					
Social Security or Private Pensions	0.97	0.86	0.75	0.65	0.83
Other	0.83	0.73	0.62	0.53	0.67
Other	0.72	0.63	0.54	0.46	0.58
HOUSEHOLDS/FAMILIES/UNRELATED INDIVIDUALS					
Income					
Social Security or Private Pensions	0.76	0.67	0.58	0.51	0.65
Other	0.65	0.57	0.48	0.41	0.52
Other	0.56	0.49	0.42	0.36	0.45

¹When one of the quarters is the 4th quarter 1986, multiply the correlation by .90 to account for missing rotation groups.

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)
- 4 - State Supplemental Security Income (State administered SSI only)
- 5 - State unemployment compensation
- 6 - Supplemental Unemployment Benefits
- 7 - Other unemployment compensation (Trade Adjustment Act benefits, strike pay, other)
- 8 - Veterans compensation or pensions
- 9 - Black lung payments
- 10 - Worker's compensation
- 11 - State temporary sickness or disability benefits
- 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
- 22 - Indian, Cuban, or Refugee Assistance
- 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
- 33 - National Guard or Reserve Forces retirement
- 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
- 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

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
WIC (Women, Infants and Children Nutrition Program)
Food Stamps
Child support payments
Alimony payments
Pension from company or union
Federal Civil Service or other Federal civilian employee pensions
U.S. Military retirement pay
National Guard or Reserve Forces retirement
State government pensions

Local government pensions
Income from paid-up life insurance policies or annuities
Estates and trusts
Other payments for retirement, disability or survivor benefits
G.I. Bill/Other VA Educational Assistance
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

Noncash Benefits

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

APPENDIX A-4

1980 CENSUS OF POPULATION OCCUPATION CLASSIFICATION SYSTEM

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

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

1980 Code	Executive, Administrative, and Managerial Occupations
003	Legislators (111)
004	Chief executives and general administrators, public administration (112)
005	Administrators and officials, public administration (1132-1139)
006	Administrators, protective services (1131)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Managers, properties and real estate (1353)
017	Postmasters and mail superintendents (1344)
018	Funeral directors (pt 1359)
019	Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344, 1353, pt 1359)
	Management related occupations
023	Accountants and auditors (1412)
024	Underwriters (1414)
025	Other financial officers (1415, 1419)
026	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (1443)
029	Buyers, wholesale and retail trade except farm products (1442)
033	Purchasing agents and buyers, n.e.c. (1449)
034	Business and promotion agents (145)
035	Construction inspectors (1472)
036	Inspectors and compliance officers, exc. construction (1473)
037	Management related occupations, n.e.c. (149)
	Professional Specialty Occupations
	Engineers, Architects, and Surveyors
043	Architects (161)
	Engineers
044	Aerospace (1622)
045	Metallurgical and materials (1623)
046	Mining (1624)
047	Petroleum (1625)
048	Chemical (1626)
049	Nuclear (1627)
053	Civil (1628)
054	Agricultural (1632)

055	Electrical and electronic (1633, 1636)
056	Industrial (1634)
057	Mechanical (1635)
058	Marine and naval architects (1637)
059	Engineers, n.e.c. (1639)
063	Surveyors and mapping scientists (164)
	Mathematical and Computer Scientists
064	Computer systems analysts and scientists (171)
065	Operations and systems researchers and analysts (172)
066	Actuaries (1732)
067	Statisticians (1733)
068	Mathematical scientists, n.e.c. (1739)
	Natural Scientists
069	Physicists and astronomers (1842, 1843)
073	Chemists, except biochemists (1845)
074	Atmospheric and space scientists (1846)
075	Geologists and geodesists (1847)
076	Physical scientists, n.e.c. (1849)
077	Agricultural and food scientists (1853)
078	Biological and life scientists (1854)
079	Forestry and conservation scientists (1852)
083	Medical scientists (1855)
	Health Diagnosing Occupations
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089	Health diagnosing practitioners, n.e.c. (289)
	Health Assessment and Treating Occupations
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
	Therapists
098	Inhalation therapists (3031)
099	Occupational therapists (3032)
103	Physical therapists (3033)
104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106	Physicians' assistants (304)
	Teachers, Postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)

128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)
137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
	Teachers, Except Postsecondary
155	Teachers, prekindergarten and kindergarten (231)
N(156)	Teachers, elementary school (232)
P(157)	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
163	Counselors, educational and vocational (24)
	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
	Social Scientists and Urban Planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
173	Urban planners (192)
	Social, Recreation, and Religious Workers
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
	Lawyers and Judges
178	Lawyers (211)
179	Judges (212)
	Writers, Artists, Entertainers, and Athletes
183	Authors (321)
184	Technical writers (398)
185	Designers (322)
186	Musicians and composers (323)
187	Actors and directors (324)
188	Painters, sculptors, craft-artists, and artist printmakers (325)

199	Photographers (328)
193	Dancers (327)
194	Artists, performers, and related workers, n.e.c. (328, 329)
195	Editors and reporters (331)
197	Public relations specialists (332)
198	Announcers (333)
199	Athletes (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations

Health Technologists and Technicians

203	Clinical laboratory technologists and technicians (362)
204	Dental hygienists (363)
205	Health record technologists and technicians (364)
206	Radiologic technicians (365)
207	Licensed practical nurses (366)
208	Health technologists and technicians, n.e.c. (369)

Technologists and Technicians, Except Health

Engineering and Related Technologists and Technicians

213	Electrical and electronic technicians (3711)
214	Industrial engineering technicians (3712)
215	Mechanical engineering technicians (3713)
216	Engineering technicians, n.e.c. (3719)
217	Drafting occupations (372)
218	Surveying and mapping technicians (373)

Science Technicians

223	Biological technicians (382)
224	Chemical technicians (3831)
225	Science technicians, n.e.c. (3832, 3833, 384, 389)

Technicians, Except Health, Engineering, and Science

226	Airplane pilots and navigators (825)
227	Air traffic controllers (392)
228	Broadcast equipment operators (393)
229	Computer programmers (3971, 3972)
233	Tool programmers, numerical control (3974)
234	Legal assistants (396)
235	Technicians, n.e.c. (399)

Sales Occupations

243	Supervisors and proprietors, sales occupations (40)
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Sales Representatives, Finance and Business Services

253	Insurance sales occupations (4122)
254	Real estate sales occupations (4123)
255	Securities and financial services sales occupations (4124)
256	Advertising and related sales occupations (4153)
257	Sales occupations, other business services (4152)

	Sales Representatives, Commodities Except Retail
258	Sales engineers (421)
259	Sales representatives, mining, manufacturing, and wholesale (423, 424)
	Sales Workers, Retail and Personal Services
263	Sales workers, motor vehicles and boats (4342, 4344)
264	Sales workers, apparel (4346)
265	Sales workers, shoes (4351)
266	Sales workers, furniture and home furnishings (4348)
267	Sales workers, radio, TV, hi-fi, and appliances (4343, 4352)
268	Sales workers, hardware and building supplies (4353)
269	Sales workers, parts (4367)
274	Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
275	Sales counter clerks (4363)
Q(276)	Cashiers (4364)
277	Street and door-to-door sales workers (4366)
278	News vendors (4365)
	Sales Related Occupations
283	Demonstrators, promoters and models, sales (445)
284	Auctioneers (447)
285	Sales support occupations, n.e.c. (444, 446, 449)
	Administrative Support Occupations, Including Clerical
	Supervisors, Administrative Support Occupations
303	Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
304	Supervisors, computer equipment operators (4512)
305	Supervisors, financial records processing (4521)
306	Chief communications operators (4523)
307	Supervisors, distribution, scheduling, and adjusting clerks (4522, 4524-4528)
	Computer Equipment Operators
308	Computer operators (4612)
309	Peripheral equipment operators (4613)
	Secretaries, Stenographers, and Typists
R(313)	Secretaries (4622)
314	Stenographers (4623)
315	Typists (4624)
	Information Clerks
316	Interviewers (4642)
317	Hotel clerks (4643)
318	Transportation ticket and reservation agents (4644)
319	Receptionists (4645)
323	Information clerks, n.e.c. (4649)
	Records Processing Occupations, Except Financial
325	Classified-ad clerks (4662)
326	Correspondence clerks (4663)
327	Order clerks (4664)
328	Personnel clerks, except payroll and timekeeping (4692)
329	Library clerks (4694)
335	File clerks (4696)
336	Records clerks (4699)
	Financial Records Processing Occupations
S(337)	Bookkeepers, accounting, and auditing clerks (4712)
338	Payroll and timekeeping clerks (4713)

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339 Billing clerks (4715)
 343 Cost and rate clerks (4716)
 344 Billing, posting, and calculating machine operators (4718)

Duplicating, Mail and Other Office Machine Operators

345 Duplicating machine operators (4722)
 346 Mail preparing and paper handling machine operators (4723)
 347 Office machine operators, n.e.c. (4729)
 Communications Equipment Operators
 348 Telephone operators (4732)
 349 Telegraphers (4733)
 353 Communications equipment operators, n.e.c. (4739)

Mail and Message Distributing Occupations

354 Postal clerks, exc. mail carriers (4742)
 355 Mail carriers, postal service (4743)
 356 Mail clerks, exc. postal service (4744)
 357 Messengers (4745)

Material Recording, Scheduling, and Distributing Clerks

359 Dispatchers (4751)
 363 Production coordinators (4752)
 364 Traffic, shipping, and receiving clerks (4753)
 365 Stock and inventory clerks (4754)
 366 Meter readers (4755)
 368 Weighers, measurers, and checkers (4756)
 369 Samplers (4757)
 373 Expeditors (4758)
 374 Material recording, scheduling, and distributing clerks, n.e.c. (4759)

Adjusters and Investigators

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

Miscellaneous Administrative Support Occupations

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

SERVICE OCCUPATIONS

Private Household Occupations

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

	Protective Service Occupations
	Supervisors, Protective Service Occupations
413	Supervisors, firefighting and fire prevention occupations (5111)
414	Supervisors, police and detectives (5112)
415	Supervisors, guards (5113)
	Firefighting and Fire Prevention Occupations
416	Fire inspection and fire prevention occupations (5122)
417	Firefighting occupations (5123)
	Police and Detectives
418	Police and detectives, public service (5132)
423	Sheriffs, bailiffs, and other law enforcement officers (5134)
424	Correctional Institution officers (5133)
	Guards
425	Crossing guards (5142)
426	Guards and police, exc. public service (5144)
427	Protective service occupations, n.e.c. (5149)
	Service Occupations, Except Protective and Household
	Food Preparation and Service Occupations
433	Supervisors, food preparation and service occupations (5211)
434	Bartenders (5212)
U(435)	Waiters and waitresses (5213)
436	Cooks, except short order (5214)
437	Short-order cooks (5215)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
443	Waiters'/waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)
	Health Service Occupations
445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
	Cleaning and Building Service Occupations, except Household
448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
V(453)	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)
	Personal Service Occupations
456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
463	Guides (5255)
464	Ushers (5256)
465	Public transportation attendants (5257)
466	Baggage porters and bellhops (5262)
467	Welfare service aides (5263)
468	Child care workers, except private household (5264)
469	Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

	Farm Operators and Managers
W(473)	Farmers, except horticultural (5512-5514)
474	Horticultural specialty farmers (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)
	Other Agricultural and Related Occupations
	Farm Occupations, Except Managerial
477	Supervisors, farm workers (5611)
479	Farm workers (5612-5617)
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)
	Related Agricultural Occupations
485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)
	Forestry and Logging Occupations
494	Supervisors, forestry, and logging workers (571)
495	Forestry workers, except logging (572)
496	Timber cutting and logging occupations (573, 579)
	Fishers, Hunters, and Trappers
497	Captains and other officers, fishing vessels (pt 8241)
498	Fishers (583)
499	Hunters and trappers (584)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

	Mechanics and Repairers
503	Supervisors, mechanics and repairers (80)
	Mechanics and Repairers, Except Supervisors
	Vehicle and Mobile Equipment Mechanics and Repairers
X(505)	Automobile mechanics (pt 6111)
506	Automobile mechanic apprentices (pt 6111)
507	Bus, truck, and stationary engine mechanics (6112)
508	Aircraft engine mechanics (6113)
509	Small engine repairers (6114)
514	Automobile body and related repairers (6115)
515	Aircraft mechanics, exc. engine (6116)
516	Heavy equipment mechanics (6117)
517	Farm equipment mechanics (6118)
518	Industrial machinery repairers (613)
519	Machinery maintenance occupations (614)
	Electrical and Electronic Equipment Repairers
523	Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
525	Data processing equipment repairers (6154)
526	Household appliance and power tool repairers (6156)
527	Telephone line installers and repairers (6157)
529	Telephone installers and repairers (6158)
533	Miscellaneous electrical and electronic equipment repairers (6152, 6159)
534	Heating, air conditioning, and refrigeration mechanics (6161)

	Miscellaneous Mechanics and Repairers
535	Camera, watch, and musical instrument repairers (6171, 6172)
536	Locksmiths and safe repairers (6173)
538	Office machine repairers (6174)
539	Mechanical controls and valve repairers (6175)
543	Elevator installers and repairers (6176)
544	Millwrights (6178)
547	Specified mechanics and repairers, n.e.c. (6177, 6179)
549	Not specified mechanics and repairers

Construction Trades

	Supervisors, construction occupations
553	Supervisors; brickmasons, stonemasons, and tile setters (6312)
554	Supervisors, carpenters and related workers (6313)
555	Supervisors, electricians and power transmission installers (6314)
556	Supervisors; painters, paperhangers, and plasterers (6315)
557	Supervisors; plumbers, pipefitters, and steamfitters (6316)
558	Supervisors, n.e.c. (6311, 6318)
	Construction Trades, Except Supervisors
563	Brickmasons and stonemasons (pt 6412, pt 6413)
564	Brickmason and stonemason apprentices (pt 6412, pt 6413)
565	Tile setters, hard and soft (6414, pt 6462)
566	Carpet installers (pt 6482)
Y(567)	Carpenters (pt 6422)
569	Carpenter apprentices (pt 6422)
573	Drywall installers (6424)
575	Electricians (pt 6432)
576 11	Electrician apprentices (pt 6432)
577	Electrical power installers and repairers (6433)
579	Painters, construction and maintenance (6442)
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (pt 645)
587	Plumber, pipefitter, and steamfitter apprentices (pt 645)
588	Concrete and terrazzo finishers (6463)
589	Glaziers (6464)
593	Insulation workers (6465)
594	Paving, surfacing, and tamping equipment operators (6466)
595	Roofers (6468)
596	Sheetmetal duct installers (6472)
597	Structural metal workers (6473)
598	Drillers, earth (6474)
599	Construction trades, n.e.c. (6467, 6475, 6476, 6479)

Extractive Occupations

613	Supervisors, extractive occupations (632)
614	Drillers, oil well (652)
615	Explosives workers (653)
616	Mining machine operators (654)
617	Mining occupations, n.e.c. (656)

Precision Production Occupations

633	Supervisors, production occupations (67, 71)
	Precision Metal Working Occupations

634	Tool and die makers (pt 6811)
635	Tool and die maker apprentices (pt 6811)
636	Precision assemblers, metal (6812)
637	Machinists (pt 6813)
639	Machinist apprentices (pt 6813)
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Patternmakers and model makers, metal (6817)
646	Lay-out workers (6821)
647	Precious stones and metals workers (Jewelers) (6822, 6866)
649	Engravers, metal (6823)
653	Sheet metal workers (pt 6824)
654	Sheet metal worker apprentices (pt 6824)
655	Miscellaneous precision metal workers (6829)
	Precision Woodworking Occupations
656	Patternmakers and model makers, wood (6831)
657	Cabinet makers and bench carpenters (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
	Precision Textile, Apparel, and Furnishings Machine Workers
666	Dressmakers (pt 6852, pt 7752)
667	Tailors (pt 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
673	Apparel and fabric patternmakers (6856)
674	Miscellaneous precision apparel and fabric workers (6859, pt 7752)
	Precision Workers, Assorted Materials
675	Hand molders and shapers, except jewelers (6861)
676	Patternmakers, lay-out workers, and cutters (6862)
677	Optical goods workers (6864, pt 7477, pt 7677)
678	Dental laboratory and medical appliance technicians (6865)
679	Bookbinders (6844)
683	Electrical and electronic equipment assemblers (6867)
684	Miscellaneous precision workers, n.e.c. (6869)
	Precision Food Production Occupations
686	Butchers and meat cutters (6871)
687	Bakers (6872)
688	Food batchmakers (6873, 6879)
	Precision Inspectors, Testers, and Related Workers
689	Inspectors, testers, and graders (6881, 828)
693	Adjusters and calibrators (6882)
	Plant and System Operators
694	Water and sewage treatment plant operators (691)
695	Power plant operators (pt 693)
696	Stationary engineers (pt 693, 7668)
699	Miscellaneous plant and system operators (692, 694, 695, 696)

OPERATORS, FABRICATORS, AND LABORERS

	Machine Operators, Assemblers, and Inspectors
	Machine Operators and Tenders, except Precision
	Metal working and Plastic Working Machine Operators
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)

705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717	Fabricating machine operators, n.e.c. (7339, 7539)
	Metal and Plastic Processing Machine Operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
	Woodworking Machine Operators
726	Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nailing and tacking machine operators (7636)
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
	Printing Machine Operators
734	Printing machine operators (7443, 7643)
735	Photoengravers and lithographers (6842, 7444, 7644)
736	Typesetters and compositors (6841, 7642)
737	Miscellaneous printing machine operators (6849, 7449, 7649)
	Textile, Apparel, and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, tapping, 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, 7685, 7679)
779	Machine operators, not specified

	Fabricators, Assemblers, and Hand Working Occupations
783	Welders and cutters (7332, 7532, 7714)
784	Solderers and brazers (7333, 7533, 7717)
785	Assemblers (772, 774)
786	Hand cutting and trimming occupations (7753)
787	Hand molding, casting, and forming occupations (7754, 7755)
788	Hand painting, coating, and decorating occupations (7756)
789	Hand engraving and printing occupations (7757)
794	Hand grinding and polishing occupations (7758)
795	Miscellaneous hand working occupations (7759)
	Production Inspectors, Testers, Samplers, and Weighers
796	Production inspectors, checkers, and examiners (782, 787)
797	Production testers (783)
798	Production samplers and weighers (784)
799	Graders and sorters, exc. agricultural (785)
	Transportation and Material Moving Occupations
	Motor Vehicle Operators
803	Supervisors, motor vehicle operators (8111)
804	Truck drivers, heavy (8212, 8213)
805	Truck drivers, light (8214)
806	Driver-sales workers (8218)
808	Bus drivers (8215)
809	Taxicab drivers and chauffeurs (8216)
813	Parking lot attendants (874)
814	Motor transportation occupations, n.e.c. (8219)
	Transportation Occupations, Except Motor Vehicles
	Rail Transportation Occupations
823	Railroad conductors and yardmasters (8113)
824	Locomotive operating occupations (8232)
825	Railroad brake, signal, and switch operators (8233)
826	Rail vehicle operators, n.e.c. (8239)
	Water Transportation Occupations
828	Ship captains and mates, except fishing boats (pt 8241, 8242)
829	Sailors and deckhands (8243)
833	Marine engineers (8244)
834	Bridge, lock, and lighthouse tenders (8245)
	Material Moving Equipment Operators
843	Supervisors, material moving equipment operators (812)
844	Operating engineers (8312)
845	Longshore equipment operators (8313)
848	Hoist and winch operators (8314)
849	Crane and tower operators (8315)
853	Excavating and loading machine operators (8316)
855	Grader, dozer, and scraper operators (8317)
856	Industrial truck and tractor equipment operators (8318)
859	Miscellaneous material moving equipment operators (8319)
	Handlers, Equipment Cleaners, Helpers, and Laborers
863	Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
864	Helpers, mechanics and repairers (863)
	Helpers, Construction and Extractive Occupations

APPENDIX A-4 OCCUPATION CLASSIFICATION SYSTEM

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

APPENDIX A-5

1980 CENSUS OF POPULATION INDUSTRY CLASSIFICATION SYSTEM

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

Census
Code

AGRICULTURE, FORESTRY, AND FISHERIES

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

MINING

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

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

MANUFACTURING

Nondurable Goods

Food and kindred products

- 100 Meat products (201)
- 101 Dairy products (202)
- 102 Canned and preserved fruits and vegetables (203)
- 110 Grain mill products (204)
- 111 Bakery products (205)
- 112 Sugar and confectionery products (206)
- 120 Beverage industries (208)
- 121 Miscellaneous food preparations and kindred products (207, 209)
- 122 Not specified food industries
- 130 Tobacco manufactures (21)

Textile mill products

- 132 Knitting mills (225)
- 140 Dyeing and finishing textiles, except wool and knit goods (226)
- 141 Floor coverings, except hard surface (227)
- 142 Yarn, thread, and fabric mills (221-224, 228)
- 150 Miscellaneous textile mill products (229)

¹ See Executive Office of the President, Office of Management and Budget, Standard Industrial Classification Manual, 1972 and the 1977 Supplement.

	Apparel and other finished textile products
151	Apparel and accessories, except knit (231-238)
152	Miscellaneous fabricated textile products (239)
	Paper and allied products
160	Pulp, paper, and paperboard mills (261-263, 266)
161	Miscellaneous paper and pulp products (264)
162	Paperboard containers and boxes (265)
	Printing, publishing, and allied industries
171 (C)	Newspaper publishing and printing (271)
172	Printing, publishing, and allied industries, except newspapers (272-279)
	Chemicals and allied products
180	Plastics, synthetics, and resins (282)
181	Drugs (283)
182	Soaps and cosmetics (284)
190	Paints, varnishes, and related products (287)
191	Agricultural chemicals (287)
192	Industrial and miscellaneous chemicals (281, 286, 289)
	Petroleum and coal products
200	Petroleum refining (291)
201	Miscellaneous petroleum and coal products (295, 299)
	Rubber and miscellaneous plastics products
210	Tires and inner tubes (301)
211	Other rubber products, and plastics footwear and belting (302-304, 306)
212	Miscellaneous plastics products (307)
	Leather and leather products
220	Leather tanning and finishing (311)
221	Footwear, except rubber and plastic (313, 314)
222	Leather products, except footwear (315-317, 319)
	<u>Durable Goods</u>
	Lumber and wood products, except furniture
230	Logging (241)
231	Sawmills, planing mills, and millwork (242, 243)
232	Wood buildings and mobile homes (245)
241	Miscellaneous wood products (244, 249)
242	Furniture and fixtures (25)
	Stone, clay, glass, and concrete products
250	Glass and glass products (321-323)
251	Cement, concrete, gypsum, and plaster products (324, 327)
252	Structural clay products (325)
261	Pottery and related products (326)
262	Miscellaneous nonmetallic mineral and stone products (328, 329)
	Metal industries
270	Blast furnaces, steelworks, rolling and finishing mills (331)
271	Iron and steel foundries (332)
272	Primary aluminum industries (3334, part 334, 3353-3355, 3361)
280	Other primary metal industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, 339)
281	Cutlery, handtools, and other hardware (342)

282	Fabricated structural metal products (344)
290	Screw machine products (345)
291	Metal forgings and stampings (346)
292	Ordnance (348)
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries
	Machinery, except electrical
310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
320	Metalworking machinery (354)
321	Office and accounting machines (357, except 3573)
322	Electronic computing equipment (3573)
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery
	Electrical machinery, equipment, and supplies
340	Household appliances (363)
341	Radio, T.V., and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
350	Not specified electrical machinery, equipment, and supplies
	Transportation equipment
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
370	Cycles and miscellaneous transportation equipment (375, 379)
	Professional and photographic equipment, and watches
371	Scientific and controlling instruments (381, 382)
372	Optical and health services supplies (383, 384, 385)
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
382	Not specified professional equipment
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 exc. 394)
392	Not specified manufacturing industries

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

	Transportation
400	Railroads (40)
401	Bus service and urban transit (41, except 412)
402	Taxicab service (412)
410	Trucking service (421, 423)
411	Warehousing and storage (422)
412	U.S. Postal Service (43)
420	Water transportation (44)
421	Air transportation (45)
422	Pipe lines, except natural gas (46)
432	Services incidental to transportation (47)
	Communications

- 440 Radio and television broadcasting (483)
- 441 Telephone (wire and radio) (481)
- 442 Telegraph and miscellaneous communication services (482, 489)
- Utilities and sanitary services
- 460 Electric light and power (491)
- 461 Gas and steam supply systems (492, 496)
- 462 Electric and gas, and other combinations (493)
- 470 Water supply and irrigation (494, 497)
- 471 Sanitary services (495)
- 472 Not specified utilities

WHOLESALE TRADE

Durable Goods

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

Nondurable Goods

- 540 Paper and paper products (511)
- 541 Drugs, chemicals and allied products (512, 516)
- 542 Apparel, fabrics, and notions (513)
- 550 Groceries and related products (514)
- 551 Farm products - raw materials (515)
- 552 Petroleum products (517)
- 560 Alcoholic beverages (518)
- 561 Farm supplies (5191)
- 562 Miscellaneous wholesale, nondurable goods (5194, 5196, 5199)
- 571 Not specified wholesale trade

RETAIL TRADE

- 580 Lumber and building material retailing (521, 523)
- 581 Hardware stores (525)
- 582 Retail nurseries and garden stores (526)
- 590 Mobile home dealers (527)
- 591 (D) Department stores (531)
- 592 Variety stores (533)
- 600 Miscellaneous general merchandise stores (539)
- 601 (E) Grocery stores (541)
- 602 Dairy products stores (545)
- 610 Retail bakeries (546)
- 611 Food stores, n.e.c. (542, 543, 544, 549)
- 612 Motor vehicle dealers (551, 552)

- 620 Auto and home supply stores (553)
- 621 Gasoline service stations (554)
- 622 Miscellaneous vehicle dealers (555, 556, 557, 559)
- 630 Apparel and accessory stores, except shoe (56, except 566)
- 631 Shoe stores (566)

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

FINANCE, INSURANCE, AND REAL ESTATE

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

BUSINESS AND REPAIR SERVICES

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

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

PERSONAL SERVICES

- 761 (J) Private households (88)
- 762 Hotels and motels (701)
- 770 Lodging places, except hotels and motels (702, 703, 704)
- 771 Laundry, cleaning, and garment services (721)

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

ENTERTAINMENT AND RECREATION SERVICES

- 800 Theaters and motion pictures (79, 792)
- 801 Bowling alleys, billiard and pool parlors (793)
- 802 Miscellaneous entertainment and recreation services (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

- 812 Offices of physicians (801, 803)
- 820 Offices of dentists (802)
- 821 Offices of chiropractors (8041)
- 822 Offices of optometrists (8042)
- 830 Offices of health practitioners, n.e.c. (8049)
- 831 (K) Hospitals (806)
- 832 Nursing and personal care facilities (805)
- 840 Health services, n.e.c. (807, 808, 809)
- 841 Legal services (81)
- 842 (L) Elementary and secondary schools (821)
- 850 (M) Colleges and universities (822)
- 851 Business, trade, and vocational schools (824)
- 852 Libraries (823)
- 860 Educational services, n.e.c. (829)
- 861 Job training and vocational rehabilitation services (833)
- 862 Child day care services (835)
- 870 Residential care facilities, without nursing (836)
- 871 Social services, n.e.c. (832, 839)
- 872 Museums, art galleries, and zoos (84)
- 880 Religious organizations (865)
- 881 Membership organizations (861-865, 869)
- 882 Engineering, architectural, and surveying services (891)
- 890 Accounting, auditing, and bookkeeping services (893)
- 891 Noncommercial educational and scientific research (892)
- 892 Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

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

APPENDIX B

The SIPP 1987 Full Panel Research File

File Creation. The 1987 SIPP Panel Research File was developed using procedures similar to those used to develop the 1984 SIPP Panel Research File. For this reason, the description of the creation of the 1984 Panel Research File is included in this appendix. Note that this description is for the 1984 Panel File and the tables given are for the 1984 Panel File; they are provided for illustrative purposes. Similar tables for the 1987 Panel Research File are not available.

Description of the SIPP 1984 Full Panel Research File
(Reprinted from the SIPP 1984 Full Panel Research File Technical Documentation)

Introduction

The Bureau of the Census began collecting data in the Survey of Income and Program Participation (SIPP) in the fall of 1983 with the introduction of a sample of approximately 19,900 interviewed households. This sample was termed the "1984 SIPP Panel."

This 1984 Panel was divided into four approximately equal-size subpanels or "rotations" in order to facilitate a continuous monthly interviewing scheme. This scheme called for a total of eight or nine interviews for each member of an original sample household over a 32- or 36-month period beginning in October 1983. These interviews were conducted at 4-month intervals with one-fourth of all sample households (one rotation) being interviewed each month. The first rotation was interviewed in October 1983. The initial interviews for households in the remaining three rotations were conducted in November 1983, December 1983, and January 1984. By the end of January 1984 each sample household had completed one interview. A full cycle of interviewing is carried out during a 4-month period called a "wave." In February 1984, the second wave of interviewing began. Households interviewed in October 1983 were contacted for the second time in this month. The February interviews for rotation 1 were followed by interviews in March, and April for rotations 2, and 3, respectively. The second wave of interviews was idiosyncratic in that only three rotation groups comprised the wave. The third wave of interviews began with rotation group 4 in May and continued with rotation groups 1, 2, and 3 in June, July, and August. A schematic of the interviewing pattern is shown in Figure 1. Note for budget reasons the eighth wave consisted of only three rotation groups, thus leading to rotation groups 1 and 2 eligible for nine interviews and rotation groups 3 and 4 eligible for eight interviews during the course of the 1984 Panel.

Each interview contains a basic set of "core" questions covering labor force activities and receipt of income. These "core" questions relate to labor force activity and income during the 4-month period immediately preceding the month of interview. This 4-month period is termed the "reference" period. For most topics, the core data collection procedures were designed to obtain individual observations for each of the 4 months of the reference period. In addition to the core questions, some of the waves included groups of questions called "topical modules." Details concerning the specific data collected in the "core" and in the various "topical modules" can be found in Frankel (1985). Some of these details will also be covered later in this description.

The initial computer processing procedures for the survey data were designed to produce data files that contained only the core information collected in a given wave of interviewing. These separate public-use files have been made available for Waves 1-9 of the 1984 Panel. Data files containing both the core and topical module data for Waves 3-9 have also been made available.

While the wave files have made the data from the 1984 Panel available for cross-sectional analysis, users desiring to analyze time periods of longer than 4 months have had to perform a linkage between waves. Observations from different waves for the same sample individuals can be linked using the individual's unique numerical identification number that is present with that person's data on each separate wave file.

To improve access to longitudinal data from the 1984 SIPP Panel, the Census Bureau has produced a file containing data from 32 monthly observations. Because of the different reference periods for the four rotation groups, the 32-month period is different for each rotation group: June 1983 to January 1986 for rotation group 1; July 1983 to February 1986 for rotation group 2; August 1983 to March 1986 for rotation group 3; and, finally, September 1983 to April 1986 for rotation group 4. The data contained on this file is a subset of the core data collected in each SIPP interview. In some cases, data items have been grouped or modified prior to being placed on the full-panel file. Some editing of the data, in a longitudinal sense, has been done. The observations on the file have been weighted to facilitate longitudinal "person-based" and "household-based" analyses. The purpose of this document is to describe the procedures used in creation of this file.

Overview of the Longitudinal Processing System

Developing and implementing a data processing system that links multiple waves of the 1984 SIPP Panel, edits the data for consistency over time, and assigns weights that allow for useful longitudinal-type evaluations is an enormous task. The size of the sample, number of data items, complicated nature of the interviewing scheme, and the longitudinal nature of the survey are formidable problems, even taken separately. The most obvious approach to solving this large problem is to divide it into a series of smaller problems which were considered to be, for the most part, independent. This is the approach taken to create the full-panel file.

After work began on a particular problem, new parts to the problem that we had not anticipated were often uncovered. Some of these newly discovered problems required solutions while others were placed on a list for future work.

The overall problem of creating the full-panel file was divided into parts. Only the data related to specific parts of a problem or specific subject area were extracted so that the problem could be examined in a relatively manageable form and at a reasonable cost. This procedure yielded a series of extract files. Following editing and other data processing procedures, the data contained in these extracts were then used as elements in construction of the full-panel file.

Subdividing the Longitudinal Processing Work. Efforts to develop the 1984 SIPP Full-Panel File are described in the following sections:

- Demographic and Household Relationship/Composition Edits
- Edits for Labor Force Activity Consistency
- Edits for Job/Business Identification, Hourly Earnings, and Monthly Earnings
- Edits of Income Sources Coded 1-56
- Edits of Asset Sources Coded 100-150
- Elimination of Double-Counting of Food Stamps, WIC, and AFDC
- Program Coverage
- Health and Medical Care Coverage Consistency Edits
- Sample Weighting Procedures
- Topcodes, Bottomcodes, and other Recodes
- File Structure

In most cases, the work in each of these areas was accomplished in a three-step sequence. The first step was the extraction of a 32-month data set which covered a particular subject area. The second step in the process was the examination of the data and development of computer programs that performed the longitudinal editing. The third step was the addition of these edited data to the full-panel file that was constructed in segments by joining the data sets from each subject area.

Longitudinal Editing Philosophy. The longitudinal editing procedures that we have developed and implemented in creation of the 1984 Full-Panel File would be characterized as too conservative by most knowledgeable analysts familiar with this type of data, too liberal by some others. They certainly should also be characterized as incomplete by most analysts.

Our initial approach was guided by several concerns. These included: 1) the need to "clean up" some previously identified problems associated with the interview wave file creation; 2) the desire to replace imputed values from one interview with reported values, if available, from other interviews; and 3) the need to condense the data file to a physical size that is more usable than one containing all data from all interviews. For some data items, such as the labor force activity, virtually no truly longitudinal editing was performed since cross-sectional imputation rates for these items were very low and the reported data for any particular interview were not viewed as good substitutes for imputed data in another interview.

For other items, such as income amounts, in the longitudinal editing process, reported amounts from other waves were used extensively as substitutes for imputed values (from cross-sectional processing). No reported income recency or income amounts were changed in the editing process except duplicate reporting of food stamps or AFDC by husbands and wives. It should be noted that no substitution of previously reported data for imputed data

was made for the months in which a person was a "Type Z" noninterview in an interviewed household.¹ Demographic longitudinal consistency edits were applied, however. Persons with a Type Z noninterview for one or more interview waves were not assigned a full-panel weight. Calendar-year weights were given to persons who were interviewed for the whole year in question. Thus it happens that persons who were interviewed throughout 1984, January through December, but who became a Type Z thereafter would have a calendar-year 1984 weight, but zero weights for calendar year 1985 and for the full panel.

Demographic and Household Relationship/Composition Edits

The demographic and household relationship/composition edits were developed to remove inconsistencies in basic demographic characteristics which became apparent only when multiple interviews of SIPP data were examined together.

The data collection and processing system for each interviewing wave includes a check-in procedure which in itself provides a limited amount of longitudinal editing. During initial data collection in the first interview each individual was assigned a unique 14-digit identifier. A master control file containing all legal identifiers, as well as the age, race, and sex of each of these individuals was developed and used to control the receipt of data in all later interviews. This system was developed primarily to guarantee the validity of the 14-digit identifier throughout the life of the panel. It also, however, provides a limited longitudinal edit on the characteristics age, race, and sex. Errors made during data collection in the first interview from which the control file was derived, were corrected on the control file as they were discovered but usually much too late for the same correction to be applied to the data file for that interview. These errors have been addressed as part of the longitudinal processing.²

The demographic edits are intended to adjust for inconsistencies not discovered during the wave processing. For example, persons may be reported as widowed in the first interview and never married in the second, or two persons may be reported as parent and child in one interview and as husband and wife in another. Such inconsistencies only became apparent when multiple interviews were examined together.

Another problem that was dealt with as part of the longitudinal edits involved household composition errors. Incomplete or inaccurate data, as well as errors in the cross-sectional data processing system led to a small number of household composition errors. For example, some respondents were listed as having entered or left the sample universe sometime during a given interview's 4-month reference period when in fact they were present in the household for the entire reference period. The errors that led to this problem were not detected and corrected until long after the cross-sectional products were released. An attempt has been made to correct inconsistencies in household composition and, therefore, the demographic characteristics of the persons in those households during the longitudinal processing. These edits were handled on a case-by-case basis after research was done to establish the correct characteristics.

A third situation which required some longitudinal editing involved the reporting of type of living quarters. The usual "cross-sectional" Census Bureau definitions used in editing basic demographic characteristics require that "group quarters" be occupied only by unrelated individuals. The definition of "group quarters" is any living arrangement which includes nine or more persons not related to the person in charge or any structure normally used as temporary housing for unrelated people such as a rooming or boarding house. Group quarters make up a very small subsample of our universe and are usually excluded from analysis. The problem which arises is that, with independent data collection and editing, a household may be reported as group quarters in one interview and as a housing unit in another interview even though the address and household composition remained unchanged. For the months that respondents occupied group quarters they are forced by the cross-sectional edit to be unrelated individuals; for the other months, they may be shown as a parent and child, husband and wife, etc. This clearly can lead to confusion and distortion of the data. An edit was developed which essentially required later interviews to be consistent with the data as reported in the first interview, primarily because the longitudinal weighting procedures are based on characteristics as reported in the first interview, and it was, therefore, preferable when given a choice to avoid changes to characteristics reported at that time.

1. "Type Z" is an interview status assigned to persons who, because of a refusal or other reason, were not personally interviewed, whereas other persons in their household were interviewed.

2. A description of the cross-sectional persons/family edits is in on page B-32.

The following demographic characteristics were affected by the longitudinal relationship/composition edits to items located on or derived from the control card:

- Relationship to household reference person
- Age
- Race
- Sex
- Marital status
- Family type
- Relationship to family reference person
- Family number
- Person number of parent
- Person number of spouse
- Reasons for entry into or exit from a housing unit
- Dates of entry into or exit from a housing unit
- Identifiers of households to which each person belonged
- Type of living quarters

To perform these edits only as much data as were needed to make decisions about demographic characteristics were extracted, i.e., no income information or program participation information was used. The following steps were undertaken to create a longitudinally edited demographic characteristic file:

1. The first step was to create a file containing 32 months of information for each respondent. One thing that did not have to be done as part of this matching process was to verify the correctness of the match keys. Strict controls were imposed on the basic person identifiers each month as part of the data collection process and, therefore, it was felt that those identifiers, which became our match keys, were as correct as possible.

As the individual waves were matched, the required edited and unedited demographic variables were extracted and a rectangular file of person records was created. Within the record, some variables which should be unchanging, such as sex or race, were carried only once. Other variables which could change at any time, such as age or marital status, were carried as arrays of 32 fields. There were, for instance, 32 reportings of marital status, one for each month of the eight 4-month reference periods.

2. In the process of reviewing this work some problems with the data which were actually a product of errors in the cross-sectional processing system came to light. These errors dealt with the reported dates of entry into or exit from sample addresses.

Errors in these fields affected the other demographic variables since the editing of relationship variables is dependent on which persons are living together in each reference month. Seventy cases were found to actually be in error. Corrections were generated for these on a case-by-case basis, which means that on the full-panel file the sample unit involved will be slightly different in household composition from the individual cross-sectional files.

A sample unit consists of all the data collected for all the persons who lived together in the first wave and for all other persons who at any time during the panel lived with them. An example will clarify what this means. If two persons lived together in the first interview (Wave 1), the unit, as of Wave 1, will include all the data collected for these two people. If, in Wave 2, these people separate and form their own households, all the information for these people will still fall within one sample unit, although it will be subdivided into information for different households. If the people who lived together in Wave 1 gain new roommates when they separate, all of the data collected for these new people are also organized into the sample unit. Thus, a sample unit is a hierarchical configuration. People make up households and one or more households make up a sample unit where each of these households contain at least one person who was in the original Wave 1 household that defines the sample unit.

When the demographic edits are done, all the people in a sample unit are looked at to determine which persons were actually living at the same address in a given month and all of these persons' characteristics (relationship, marital status, etc.) are edited together. Adding or deleting a person from the group that is edited together can affect the relationships of one or all of the other members of the group to each other. Correcting the 70 sample units was the first step in the processing, but this work should not be characterized as longitudinal editing. These were just a few errors in the cross-sectional data that it was felt should be corrected before getting into longitudinal edits.

3. The first variable looked at longitudinally was age. In the rush to create a cross-sectional data file for the first wave of the 1984 Panel, a simplistic approach was taken in dealing with this variable.

Since there was no bounding information for other demographic variables like relationship or marital status prior to the Wave 1 interview, it was assumed that the status reported at the interview was the same for each of the 4 preceding reference months. For example, if a person, interviewed in October, reported themselves to be married, it was assumed that they were married in the previous 4 months (June, July, August, and September). Obviously, this may not have been true, but it seemed like a reasonable approach.

Unfortunately, age was also carried as a monthly variable and simply assumed to be unchanging even though there was additional information, namely date of birth, which made it possible to reflect a changing age during the reference period as it occurred. This was corrected in Wave 2 but the problem still existed on the Wave 1 data. There were also cases where age may have been estimated or otherwise misreported and more accurate data obtained in some later interview. Age may also have been consistently refused and independently imputed in each wave. So, as part of the longitudinal editing, age was corrected or made consistent where necessary for all 32 reference months. For completeness and consistency, month and year of birth were simultaneously imputed where necessary. Birth month was imputed for 555 persons. Birth year was derived based on last reported age and birth month (which may have been imputed).

4. The variable for type of living quarters occupied was investigated. This was necessary because, with traditional Census Bureau definitions, the living quarters code has a direct and sometimes confusing effect on demographic variables. Living quarters are divided into two general types: housing units and group quarters. A housing unit is the traditional home, be it a house, apartment, trailer, or flat. A group quarters is a more temporary housing arrangement, such as a room in a hotel, motel, boarding house, or some other facility which is usually occupied by a group of unrelated people. Census Bureau definitions require that any living arrangement which contains nine or more persons who are not related to the person in charge, be edited to be a group quarters, regardless of how it was reported. The same definitions require that a group quarters be occupied by only unrelated individuals. If a man and his wife were to take nine foster children into their home, that home would be considered a group quarters. Everyone in it would be edited to be a secondary individual and, therefore, the husband and wife would no longer be reported as married to each other.

Cross-sectionally, this has no particular importance. Group quarters make up a very small fraction of our total sample and are usually excluded from data analysis. Longitudinally, it can be a little misleading. If in Wave 2 even one of the foster children in the example above found a home somewhere else, the same living quarters would be listed as a housing unit (and, if the two data sets were compared, apparently a marriage took place). Similar types of things can happen when a unit is reported to be a group quarters in one wave and the same unit is reported to be a housing unit in another wave. It is unlikely that the unit has changed from home to boarding house or vice versa and some editing should be done. In the longitudinal edits the decision was made to attack only the problem of a unit being reported differently at two points in time. The weighting scheme is tied to the Wave 1 interview and could be affected by changes in type of living quarters. For this reason only, the later waves were edited to be consistent with the type of living quarters reported in Wave 1, as long as the address ID was unchanging. There were 17 sample units where changes in type of living quarters were required. All the demographic characteristics of the person occupying these living arrangements also had to be reedited.

5. It is important to remember that all the demographic variables, marital status, relationship to reference person, etc., are collected once every 4 months, but that they are carried on the data file as monthly variables. When some change in one of these variables takes place between interviews, the logic in the edits determines in which month the change actually occurred. This can be quite difficult, especially if not one, but several changes occurred during one 4-month reference period. This relates primarily to the editing of relationship, but also affects the editing of marital status. In editing marital status it was decided to look at persons who reported a changing marital status over time. All possible changes in marital status were looked at and divided into two groups:

- changes which were clearly possible and likely to occur in the real world, and
- changes which were impossible or very unlikely to occur from one month to the next.

Marital status changes falling in the first group would include "never married" to "married, spouse present"; and "married, spouse present" to "separated", "widowed", or "divorced." Changes falling in the second group would include "divorced" to "never married" and "never married" to "widowed."

Cases in the first group were examined to ensure that changes which involved two persons who, at some point in time, were married, were reported consistently for both persons. Changes falling into the second group were imputed to be consistent over time. This was done using probability tables which were derived from published data from the 1980 Decennial Census. These tables were based on age, race, sex, and relationship both within a household and within a family. This gave the probability for each of two marital statuses which are inconsistent with each other. The more likely marital status was used for all the months previously covered by the two inconsistent marital statuses. Using this edit, changes in marital status were made for about 260 persons. (See Table 1.)

6. Perhaps the most interesting, and most difficult to resolve, inconsistencies are those dealing with relationships. The relationship of one person in a household to every other person in that household for a given month is primarily based upon the reported values of relationship to the reference person, person number of parent, person number of spouse, and marital status for all household members. Seventy-nine sample units required one or more changes in the relationship variables to make them longitudinally consistent. Among these, relationship to reference person is probably the most important.

From these variables, family relationship, family type, and family number were derived to simplify the identification of multiple families within a household and the individual members of each family. Relationships among household members may change over time, especially as household membership changes. There is a set of relationship variables which are consistent within each household for each individual month of the reference period. Next, changes in the relationship variable from month-to-month were observed to see if those changes were logical or at least possible; if not, procedures needed to be developed to produce longitudinal consistency.

In order to begin to understand what sorts of longitudinal relationship problems existed, a study was done in which the relationships at all points in time among all household members, taken two at a time, were

examined. The results showed that for about 63 percent of the sample units and 75 percent of the people there were no changes in relationship or household composition over the 32 months. For these cases, no additional longitudinal editing was recommended. For an additional 7 percent of the sample units and 9 percent of the persons, only trivial changes in household composition occurred. In these cases someone entered or left a household without affecting the relationship of the other persons in the household to each other. No other changes took place in these households and no additional longitudinal relationship editing was required. The remaining 10 percent of the sample units, which account for about 15 percent of the people, had to be examined more closely. From this group three subsets were created.

File X included all structures in which at least two persons are shown to be related at time T1 but not related at time T2. File Y includes all structures in which at least two persons were reported to be not related at time T1 but related at time T2. File Z includes structures where at least two persons were reported to be related at time T1 and at time T2 but their relationship changed in some way. An example of this would be a structure in which two persons were reported to be husband and wife at time T1 and as parent and child at time T2.

It is important to recognize that a sample unit could appear on more than one of these three files. It should also be recognized that these three files do not contain all of the final 10 percent of the sample units that required closer examination.

A closer look at the cases falling into file X showed that about half of the sample units involved were logical situations that could be explained and the other half were probably errors that should be changed. There were now only a handful of sample units; in editing, the decision was made to make case-by-case changes to the data based on research of the specific cases involved. About 70 percent of the sample units in file Y could be explained and no editing or correcting was necessary. The largest subset of these cases were people who lived together before being married and then became married during the reference period. Remember, file Y has cases that were not related at any time during T1 and became related at time T2. The remaining 30 percent of the cases on File Y required some corrections. Again, this was just a small number of sample units which were corrected on a case-by-case basis.

The cases on file Z were a little harder to understand but the vast majority of these cases seemed to point to one common problem. It appears that it is sometimes difficult for the respondent, or perhaps the interviewer, to distinguish between a person who should be reported as a child of the reference person and a person who should be reported as an "other relative" of the reference person. A contributing factor could also be some confusion in the reporting of person number of parent who actually in a few cases was someone who may have been reported as a parent but really was the legal or de facto guardian, rather than a biological or adoptive parent. In a few cases it appears that step children may be reported as "other relatives" rather than as a child, and a minor "other relative" may be reported as a child, primarily because of his/her age. Determining which is really correct in these cases is very difficult and, from the analyst's point of view, for most purposes, the difference between an "other relative" and "child" for persons under the age of 15 is probably insignificant. To make the data longitudinally consistent, an attempt was made to correct these cases, once again, largely as a clerical operation on a case-by-case basis.

It is important at this point to reiterate that the total number of sample units in files X, Y, and Z were only a small part of the total after the most trivial situations in terms of longitudinal relationships were eliminated. Another approach to examining the remaining structures has not been formulated yet. The rules developed for creating the X, Y, and Z files seemed like a good approach for flushing out possible longitudinal inconsistencies in relationship. If there are other ways of examining the data using the computer, they haven't been discovered yet. A great number of the remaining structures have been looked at clerically and, to date, other inconsistencies have not been found. Much of the editing done to date, particularly in the area of relationships, has been clerical in nature. If a computer edit can be developed which is sophisticated enough to handle these inconsistencies in an acceptable way, then it would be approached that way. Otherwise, until then fairly knowledgeable statisticians will have to continue to review data of this nature on a regular basis and provide the corrections.

Description of Variables for Longitudinal Household Research

A longitudinal household is defined as follows:

1. It is a household which existed during at least one month.
2. The household continues from one month to the next if it has the same householder (and householder's spouse, if present in the household), and if it is the same household type.
3. The householder (or spouse of householder) must be a 100-level person (that is, a person who as of the first wave was a member of an interviewed household) to be given a longitudinal household weight.
4. The household types are married-couple household; other family household, with a male householder; other family household, with a female householder; nonfamily household, with a male householder; nonfamily household, with a female householder.

Several new variables were created for the 1984 Full-Panel Research File for use in analysis of longitudinal households. These variables were calculated for, and placed on, each person's records for the months that they were in sample. The longitudinal household variables are "LGTHHTYP" (which identifies the type of longitudinal household); "LGTKEY" (identifies the household number on the longitudinal household's reference person's record and, if a spouse of the reference person is present, on the spouse's record); "LGTOTH" (identifies the household number on the records of persons who were not the reference person or the spouse of the reference person in that longitudinal household); and two factors for use in weighting longitudinal households, "LGTFACT1" and "LGTFACT2."

LGTHHTYP is on each month of each person's record identifying the household type in which that person resided during that month. This one-character variable (and only this one of the longitudinal household variables) is filled even if the household is not considered a "longitudinal household"; that is, if it was not headed by a reference person (or spouse of reference person) who is a 100-level person. In each month the membership of each household is examined, and on the basis of that month's membership, the household type variable, LGTHHTYP, is set for that month. If the person is not a household member during a specific month, the value of LGTHHTYP is set to zero for that month.

In each month, when LGTHHTYP is determined for longitudinal household members, the householder, householder's spouse (if there is one) and all other household members are determined. LGTKEY (a three-character variable) is on every person's record for each of the 32 months; however, it will only be filled with a value other than zero for the householder and the householder's spouse, if there is one, for that household as of that month. LGTOTH (also a three-character variable) is the opposite of LGTKEY. It is on every person's record for each of the 32 months, but is only filled with a value other than zero for persons who were household members in that month but who were not the householder or the householder's spouse. The value of LGTKEY or LGTOTH will be the same for all members of a particular household in a particular month.

LGTKEY and LGTOTH start with a value of "001" for the original sample household visited during the first wave of interviewing at the sample address. In the later interviews, the values of LGTKEY and LGTOTH increment for each new household formed by 100-level persons who were members of that original household. Again, all members of a particular household during a month receive the same value of LGTKEY or LGTOTH. The values of LGTKEY and

LGTOH on a person's succeeding monthly records remain the same for as many months as that person is a member of the same household and that household's household type has not changed. LGTKEY and LGTOH increment from "001" and up within one original Wave 1 sample household. In the next original sample household the values of LGTKEY and LGTOH begin again with "001" and increment within that household. LGTKEY and LGTOH are simply counters which count each household formed by 100-level members of one Wave 1 original sample unit.

LGTFAC1 and LGTFAC2 are experimental factors to be used as longitudinal weights for longitudinal households. Both are filled for all persons who are members of a longitudinal household in a particular month. Both LGTFAC1 and LGTFAC2 are determined based upon the longitudinal person weight of the Wave 1 original sample household's householder and householder's spouse. The difference between LGTFAC1 and LGTFAC2 is that LGTFAC1 is based upon the mean of the longitudinal person weight of the Wave 1 householder and that householder's spouse's weight (if the household type in the Wave 1 household is married-couple household). Otherwise, if the Wave 1 household type is other than a married-couple household, LGTFAC1 is based upon the longitudinal person weight of the Wave 1 householder. LGTFAC2 is always based upon the Wave 1 householder's longitudinal weight regardless of the household type in Wave 1.

In waves after the first when new longitudinal households are formed by 100-level persons the new households will have longitudinal weights as long as there is a 100-level person as householder or spouse of householder. This weight is based upon the Wave 1 householders (or householder and spouse combined) weight and is carried by all members of the Wave 1 household. Households formed after the first wave which are not married-couple households get the full weight of the Wave 1 householder (or householder/spouse mean person weights). Households which are married-couple households formed after the first wave get a weight which is one-half of the weight of the Wave 1 householder, with one exception. If both the householder and the spouse in a married-couple household formed after the first wave of interviewing are 100-level persons, then the longitudinal weight carried by that household is the new householder's full Wave 1 householder longitudinal person weight.

Edits for Labor Force Activity Consistency

Core questions for each 1984 SIPP interviewing wave began with a series of questions (1 through 8D in Section 1, the Labor Force and Reciprocity Section, SC1000 to SC1238) covering various aspects of each sample person's participation or nonparticipation in the labor force during the 4-month reference period (see Figure 2). These questions are asked independently in each interview; i.e., no data from previous interviews are referenced or used in the current interview. The purpose of the questions is to obtain a picture of the individual's labor force activity during the 4-month period. The labor force activity section does not include questions covering specific employers or own businesses. Detailed questions in these areas are covered later in the interview. There was not any type of longitudinal edit performed on the labor force items. However, a new type of cross-sectional edit was introduced in the process of creating the full-panel file. The decision to forego longitudinal edits in the Labor Force and Reciprocity Section was based mainly on the low nonresponse rates for these items. Since the most important question (question 1, SC1000) which indicates whether the person worked during the 4-month reference period was a "must fill" item, there is complete response for all interviewed persons. As the nonresponse rates to the other labor force indicators were less than one percent, it was felt that longitudinal editing was not required for the full-panel file. Longitudinal edits for the number of weeks in each month in particular statuses such as without pay, looking for work, and on layoff might be helpful in future developmental work in order to improve the consistency of these occurrences across interviewing waves. The nonresponse rates for numbers of weeks in these statuses range between 7 and 12 percent.

Construction of the full-panel file did provide the opportunity to introduce another type of edit that had not been included in the cross-sectional editing system (or interview processing). This edit was designed to examine the consistency between "weeks with a job/business" recorded in the Labor Force and Reciprocity Section and "weeks employed" by specific employers derived from information in the Earnings and Employment Section of the questionnaire (question 4, SC1056, and question 6a, SC1100 to SC1134). Inconsistencies in this area had been noticed previously but no consistency edits of this nature (i.e., between sections of the questionnaire) had been implemented for the cross-sectional processing system.

This "weeks employed" edit included three phases. The first phase determined the total number of weeks employed with employers for each month using data from the Earnings and Employment Section. Data fields indicating weeks with an employer each month were previously derived in the cross-sectional processing using questions 3a and 3b, which ask for month and day of employment changes, if any, in the Earnings and Employment Section (SC2014 to SC2022).

The second phase compares these weeks with those reported in the Labor Force and Reciprocity Section and then edits the weeks with a "job/business" also reported in that section, if necessary, to agree with the weeks derived from the Employment and Earnings Section. The third phase adjusts other labor force activity items such as "weeks absent without pay" (SC1080-1096 and SC1138-1172), "weeks looking or on layoff" (SC1004 to SC1040 and SC1178 to SC1214), and the associated Employment Status Recode to be consistent with the newly edited "weeks with a job/business" field. A summary of the extent of these edits is shown in Table 2.

The labor force activity data included on the full-panel file are shown below. Each item is present for each month:

1. Employment status recode³
2. Number of weeks with a job or business (i.e., employed but not necessarily working)
3. Number of weeks without pay
4. Number of weeks looking for work or on layoff (may or may not have a job)

Edits for Job/Business Identification, Hourly Earnings, and Monthly Earnings

In each interview the SIPP core questionnaire contains four sections dedicated to recording monthly earnings amounts received from employers and from self-employment, each for a different employer or business.

A simple numbering system is used to label each employer or business reported by each individual during the life of a panel (for example, see SC2002). Both employers and own businesses are separately numbered in the order in which they appear during the panel. This identification number is used to link data collected in different interviews for the same employer or business. The SIPP control card includes an area for listing the name of each employer or business, along with the identification number and the reference periods in which that employer or business was reported.

3. The Employment Status Recodes (ESR) are defined as follows:

- ESR 1—With job entire month, worked all weeks.
- ESR 2—With job entire month, missed 1 or more weeks, but not because of a layoff.
- ESR 3—With job entire month, missed 1 or more weeks because of a layoff.
- ESR 4—With job part of month, but not because of a layoff or looking for work.
- ESR 5—With job part of month, some time spent on layoff or looking for work.
- ESR 6—No job in month, spent entire month on layoff or looking for work.
- ESR 7—No job in month, spent part of month on layoff or looking for work.
- ESR 8—No job in month, no time spent on layoff or looking for work.

The questionnaire sections for employers and businesses are completed independently for each interview except for the list of employer and business names available from the control card. The questions in the Earnings and Employment Section covering earnings from employers and businesses are asked only if questions in the Labor Force and Reciprocity Section indicate that the sample person worked during the 4-month reference period. In the Earnings and Employment Section all employer or own business questions covering hours worked, kind of work, main activities or duties, kind of business or industry, hourly earnings, monthly earnings, etc., are asked without reference to answers given in previous interviews.

The next edit undertaken in developing the panel research file was the longitudinal earnings and employer or business identification number edit. Its purpose is two-fold. First, it is intended to examine the employer or business identification numbers for consistency and correct those that were obviously in error. These errors would otherwise result in linking data for different employers together as if the data pertained to the same employer. Second, it is intended to replace when possible, the earnings amounts (SC2032-2038 and SC2239-2244, for example) imputed during the cross-sectional (interview) processing with amounts based on reported values obtained in previous or subsequent interviews.

There are two other types of consistency edits not included in this initial development of the panel research file that may be needed, to some degree, as the system evolves. One of these is an examination and edit of the occupation, industry, and class of worker data. A considerable number of cases with apparent inconsistencies across interview waves has been found. These cases were characterized by wide variations in occupation, industry, and class of worker codes for sample persons with the same employer (same identification number) in two or three consecutive 4-month reference periods (see the discussion in Kalton, McMillen, and Kasprzyk (1986)). Even though the decision was made not to edit these data at this time, editing of the industry and class of worker data is perhaps warranted since these should be much more stable than occupation. The self/proxy interview item (questionnaire cover item 7a) could be used in this type of edit to help determine which values have a higher probability of being erroneous.

A second possible edit that was not developed for this longitudinal processing system was identification and editing of erroneous monthly earnings amounts to be consistent with the general pattern observed in the majority of other months. It seems evident from examination that a significant degree of response error occurs for earnings amounts. Evidence of response error is based on the large number of changes in monthly earnings that were found occurring between months that end and begin adjacent 4-month reference periods compared to months within 4-month reference periods (Burkhead and Coder (1985)). It was also noticed that "within-wave" errors that escaped cross-sectional editing because the data appeared consistent between months within an interview's 4-month reference period were detected only when between-wave comparisons were made. Methods will be investigated for identifying amounts that have extremely high probabilities of being erroneous and then editing procedures will be developed to handle these problems. However, any editing in this area should be kept to a very limited level in order to avoid reducing the true variation in earnings amounts.

Employer and Business Identification Number Edit⁴. The examination of the identification numbers was started by reviewing a listing of employment and earnings records for persons with multiple employers (determined by checking for at least one employer with an identification number of "2" or greater) during one or more of the 4-month reference periods. The review revealed that a significant number of cases had identification number errors.

One rather typical error occurred when the sample person changed employers: the new employer was assigned the correct identification number of "2" for the current reference period, but was given an incorrect identification number of "1" in the next interview (a "1" was entered in the questionnaire field for Employer ID).

4. This description applies to procedures for both employers and businesses even though it mentions only employers.

More complex identification problems occurred when the number of employers over the entire period was three or more. Identification of these types of errors was dependent mainly on the sequence of changing ID numbers, differences in occupation and industry codes, and the continuity of weeks employed with specific employers. Table 3 provides a brief summary of the kind and number of these edits.

Hourly Wage Rate and Monthly Earnings Edit. The procedures established for edits of the monthly earnings amounts and hourly wage amounts followed implementation of the ID number edit and a detailed review of potential problem cases in the Employment and Earnings Section (both in Part A, employer identification, and in Part B, self-employment identification) spanning the eight 4-month reference periods. Editing of the ID numbers prior to this review was required so that the sections could be linked between reference periods using the most correct set of ID's.

The edit of the hourly wage rate (*only for persons paid by the hour*) was more straightforward and simple than the monthly earnings edit because the wage rate was not a product of weeks and hours worked each month. Given the existence of at least one reported hourly wage rate for a specific employer during one or more of the eight 4-month reference periods, any imputed hourly wage rate was replaced with the simple average of the reported hourly wage rates. Since the hourly wage rate is recorded only once per reference period (i.e., not a monthly question), the value does not change monthly within a 4-month reference period. Replacement of an imputed hourly wage rate was followed by recalculation of the monthly earnings amounts in order to reflect the new rate. This was done by multiplying weeks with pay each month by the usual hours worked per week and then multiplying this product by the new hourly wage rate for each month.

The edit of monthly earnings amounts was also based on an averaging procedure resulting in replacement of imputed monthly earnings values with values derived from reported figures, if available, or if figures were not available, with values derived from all cross-sectional imputed values. The first step in this edit was the calculation of the implied hourly wage and salary amount for reported and imputed values. The implied hourly amounts were derived by summing monthly earnings amounts for each job reported and dividing this sum by the product of weeks with pay and usual hours worked per week during those months. Months with zero earnings were excluded from the computation. All monthly earnings amounts that had been imputed in the cross-sectional processing were replaced by values derived from either the average reported or average imputed hourly wage and salary amount. The implied hourly rate described above was multiplied by the number of weeks with pay and usual hours worked per week for that month (note that the usual hours worked per week is reported for the 4-month reference period as a whole, not monthly, so the same figure is used for each month of a specific reference period for a specific employer).

An additional edit on the monthly wage or salary amount for workers paid by the hour was developed during the panel file processing. This edit compared the reported monthly amount with a calculated monthly amount (weeks with pay each month multiplied by usual hours worked per week multiplied by hourly wage rate). If the reported monthly amount was 10 times greater than the calculated amount, the reported amount was replaced with the calculated amount. This step was added to help lower the number of monthly amounts that have a high probability of being erroneous.

Edits of Income Sources Coded 1-56

A major portion of the SIPP core questionnaire is dedicated to establishing and maintaining (1) a profile of the sources and amounts of income not directly derived from labor market activity and (2) a profile of asset ownership and income flows from those assets. This section describes the editing procedure for those "nonlabor market activity" derived income sources, coded 1 through 56 (this group includes 39 different income sources (see Figure 3)).

The income profile of each household member age 15 years old and over is established in the initial interview (Wave 1) and updated for each subsequent 4-month reference period for the remainder of the panel's existence in sample. Unlike the employer and earnings data, collection of income data for sources 1 to 56 is *not independent* from one interview to the next. The receipt of specific sources of income for a current 4-month reference period begins with the interviewer reading a list (from the income roster beginning in SC1251) of the income sources that were reported as being received during the previous 4-month reference period. During this process the respondent has the opportunity to indicate errors that may have occurred during the previous interview concerning the receipt of specific income sources as well as to update the receipt of these income sources to the present 4-month period. This update and accompanying reconciliation, if needed, is followed by a group of questions that attempts to identify new sources of income that were not received previously but had been received during this current reference period. Together these two steps provide the income reciprocity profile for the current period. Information concerning the monthly amounts received from each source are recorded later in the interview in Part A, Amounts Section (beginning with SC3000). Collection of data for amounts received is *independent* from one interview to the next as no information for amounts is recorded on the control card for use in subsequent interviews.

The edits devised for income amounts from sources 1-56 were based on a very conservative approach. Given the limited information available both from the questionnaire and from research on SIPP response error, an edit was chosen that acted only in situations involving the existence of imputed cross-sectional amounts. These imputed amounts were replaced by reported amounts obtained from other reference periods, if available. If *all* monthly amounts for *all* reference periods for a specific income source were imputed in cross-sectional processing, these imputed amounts were averaged across the eight interviews and then used to replace the originally imputed amounts to provide continuity in the longitudinal context. This procedure may suppress variance. However, use of the independent imputations from different cross-sectional files was an even less desirable alternative. No *reported* cross-sectional amounts were changed.

The edit procedure for monthly income amounts was based on a "nearest" month concept and was invoked only when cross-sectionally imputed monthly amounts were encountered. The first step in the process was to determine the reported monthly amount nearest each imputed amount. This nearest month concept gives priority to amounts reported in months preceding the month containing the imputed amount so that a value from a *succeeding* month is used as the donor only if no month prior to the month requiring amount replacement contains a reported amount. For example, consider the situation where receipt of Aid to Families with Dependent Children (AFDC) was reported in the first interview and in the second, but no amounts were reported for the 4 months of the second reference period. In this case the amount reported in the fourth month of the first reference period is filled into each of the 4 months of the second reference period. This decision, which was somewhat arbitrary, produced strings of equal amounts with a value equal to the last reported amount. This outcome occurs because, in virtually all situations requiring some edit, *all* monthly amounts within a given reference period are imputed. Since most monthly amounts are reported in this manner (equal amounts for all months within a reference period) this procedure replicates the most frequent reporting pattern. The number of cases requiring edit are shown in Table 4 for each income type.

The edit for income sources 1 to 56 also included a correction for an error in the Wave 1 processing procedures. As a result of this error some types of income reciprocity were incorrectly changed to "NO." The edit applied if the following situation existed: 1) the income type was received in 3 of the 4 months of the first reference period and 2) the respondent had reported receiving the same income type in the first month of the second observation. If these conditions were met, reciprocity for the month in which the income reciprocity was "NO" was changed to "YES" and the amount was set equal to the last reported monthly amount in Wave 1. This edit was restricted to income types 1 through 35. Table 5 shows the number of edit occurrences by source of income.

Edits for Assets Coded 100-150

The identification of asset holdings and recording of the amount of income received from these assets is also a major function of the SIPP questionnaire core (see Figure 4 for the full asset listing). The manner in which the asset profile is established is nearly identical to that used for the income sources 1 to 56. The profile is established in the initial interview and updated in subsequent interviews. The types of assets held during the previous 4-month reference period are listed by the interviewer (in the asset roster, beginning in SC1599) as part of the update process for the current reference period. The procedures for identifying errors in recording ownership of assets in the previous interview are the same as those used to identify errors in recording income reciprocity for sources coded 1 to 56.

Recording of income flows from assets is, however, considerably different for assets than for income sources 1 to 56. First, while the amount is recorded separately for each asset, only the total amount for the 4-month period is recorded; i.e., there is not a separate question concerning the amount received each month. Second, because many assets are owned jointly by two or more household members or by persons living in different households, separate questions were included to determine the amount of income received as a joint owner of a specific asset and the amount received by persons as the sole owner of an asset. Third, the amount of income received from some assets are grouped and recorded as a total. For example, the separate income amounts from asset sources 100 to 103 are summed and recorded as a single value. This is also done for asset type groups 104 to 107 and 140 to 150.⁵

While the preceding description summarizes the procedure for collecting and recording asset ownership and income flows from assets, it does not indicate the manner in which the data are collected or are structured on the SIPP cross-sectional data files or on the full-panel file. The basic differences between the way the information was recorded on the questionnaire and the wave cross-sectional data files are 1) the 4-month amount recorded on the questionnaire is divided evenly into monthly amounts on the cross-sectional files, each being one-fourth of the total; and 2) joint amounts reported to be received by husbands and wives are divided equally between the husband and wife on the cross-sectional file so that amounts appear separately on each person's record even though only the total amount received jointly was recorded on either the husband's or wife's questionnaire.

On the full-panel research file the asset ownership and amounts data have been condensed from those present on the cross-sectional files. For a specific asset type, income amounts received through joint and sole ownership were summed to yield a total income amount for that asset. For asset ownership, full detail is carried for the individual types of assets on an observation basis.

Longitudinal editing of the asset ownership and income flow amounts is similar to that described for income sources coded 1 to 56. However, instead of using the "nearest" month edit that was implemented for the income types coded 1 to 56, in the assets section, any values which were imputed during the cross-sectional edits were replaced with the average of the reported values of asset income from other waves. Table 6 shows counts of edits that substituted average reported data for imputed data by asset type.

Elimination of Double-Counting of AFDC, Food Stamps, and WIC

Our efforts to reduce double-counting of income amounts (AFDC, Food Stamps, and WIC) by both the husband and wife through questionnaire check items were, for the most part, successful. Some of these situations, however, still did occur. These cases were identified by locating husbands and wives reporting the same income source for the same month. After thorough examination of a sample of these situations by income type, a generalized computer edit was developed which would delete the reciprocity and amount from either the husband or the wife. Variables used by the edit to make this decision were imputation status of the amount field, indication of an error in the update roster, number of months reported, sex, and family relationship.

5. Asset types 100 to 103 include savings accounts, money market accounts, savings certificates, and interest-earning checking accounts. The asset types 104 to 107 are money market funds, U.S. Government securities, municipal or corporate bonds, and "other interest-earning assets." The asset types 140 to 150 are royalties and "other financial investments." The amounts received from these sources were combined in the same manner into totals at the time they were being recorded on the SIPP questionnaire.

Program Coverage

One of the other major functions of the SIPP questionnaire design was identification of each household member included in a specific "transfer unit." A transfer unit is defined, somewhat loosely, as a group of persons who have qualified for and received a cash or noncash benefit.

Collection of the data needed to identify members of transfer units required two steps. First, a "primary" recipient (this may be the name of the person on the check, the name of the person in whose name the benefit is issued, the representative payee, etc.) is determined. Any person age 15 and over may be a primary recipient if that person reports receiving the benefit and meets several other requirements; e.g., being a parent or guardian. Second, each primary recipient (there may be more than one for a particular income or noncash benefit in a household) is asked to identify any other household members who were included as part of the group qualifying for benefits.

Identification of the members of a transfer unit occurs following questions on the amounts received each month from that specific transfer source (except for Medicaid coverage which is recorded in the reciprocity section). The person number of each member covered by the benefit is recorded in the appropriate section. Monthly coverage is not recorded for each member of the transfer unit; therefore, no changes in individual coverage can be indicated within a 4-month reference period. The identification of income sources (and Medicaid coverage) received in a particular 4-month reference period (other than in Wave 1) is not independent of reporting in the previous reference period; however, the identification of persons covered by transfer income sources is independent from one reference period to the next.

Cross-sectional processing of the data collected in each wave included creation of coverage indicators for the appropriate transfer benefit programs such as AFDC and Medicaid. These indicators were developed to simplify identification of persons with these types of coverage and to provide a variable that could be used to assign coverage in situations where coverage was not reported but should have been (categorical eligibility). For example, persons with AFDC are by definition also covered by Medicaid, so "CAIDCOV" is set. Establishment of the indicators in the cross-sectional processing was based on person numbers reported by the primary recipients and, for Medicaid and Medicare, the categorical eligibility, given reported participation in other cash transfer programs. The coverage indicators on the cross-sectional files do not identify members of a particular transfer unit specifically. Note that, in the cross-sectional procedures for assigning Medicaid and Medicare coverage to categorically eligible persons who failed to report coverage in the interview, the procedures do not go on to create variables containing the person numbers of the transfer unit members who would also have been covered when the primary recipient was identified in this manner.

Longitudinal processing of program coverage data was minimal and associated directly with the correction of an error in the Wave 1 processing procedures for income sources 1-35 as described in a previous section. It is also associated with replacing imputed "No's" with reported amounts for selected income types during the panel file processing of amounts edits of income sources 1-55. Program coverage data must be edited to be consistent with the corrected transfer income reciprocity. If the income reciprocity was changed from "no" to "yes", the primary recipient's status was changed to "covered." Since no information is available concerning which members were included in the transfer unit, a simple procedure was used to make the coverage assignments. If the income source was received in the current 4-month reference period, the coverage indicators were extrapolated backward by linking the members present in both periods. If, for some reason, there were no members covered in the current 4-month period who were also household members in the previous 4-month period, no assignment of coverage was made.

While longitudinal editing of the program coverage data was not extensive, the longitudinal processing system for the coverage data did contain an important new procedure. In this procedure the program coverage variables were restructured to allow for the identification of specific transfer units given that the person numbers for "covered" household members have not been included on the record for the primary recipient on the full-panel file. The cross-sectional files have variables which are listings of the person numbers of persons covered by the primary recipient's specific types of income. The full-panel file restructures this information so that on each person's record the information about whether that person is covered under specific programs is shown for each month. An index of the person from whom coverage was assigned is located on each covered person's record by type of income received, for example, SS-PIDX shows the index number of the person who is the primary recipient of social security income.

The monthly program coverage fields for the income/benefit types listed below were structured to allow identification of individual program units within a particular household:

- Aid to Families with Dependent Children
- Food Stamps
- WIC
- Veterans pensions and compensation
- General assistance
- Other welfare
- Foster child care
- Indian, Cuban, and Refugee Assistance
- Social Security (children only)
- Railroad Retirement (children only)

In this procedure for identifying program units the person numbers of the household members covered (listed in the appropriate areas of the questionnaire for each interview) were used to form the program units. The program units were numbered from 1 to N. All persons in the same program unit for a particular income/benefit type in a particular month were assigned the sequence number of the person's record for the person in whose name the program was reported. A value of zero in a program coverage variable indicates a "not covered" status. If, in the process of assigning the program unit identifiers, a person is listed as a member of more than one unit for the same income/benefit type, the unit identifier of the first unit identified during the processing of that household's data for that month was assigned. Development of the transfer unit indicators revealed that respondents sometimes incorrectly reported that "all" persons in the household were covered by a particular program. Cross-sectional processing did not correct for these obvious errors. Procedures were included in the longitudinal system to eliminate most of these problem cases.

Health and Medical Care Coverage Consistency Edits

The SIPP questionnaire includes questions pertaining to the health insurance and medical care coverage of all household members. While each interview contains questions on this subject, the manner in which this information is collected varies depending on the type of health or medical coverage. Medicare and Medicaid are two public medical benefit programs covered specifically. Private health insurance is included, with a distinction made between insurance provided through employers (or previous employers) and insurance obtained through other sources. Other questions concerning private health insurance include the type of plan and the proportion of the cost paid by the employer, if the plan was provided through an employer.

Medicaid and private health insurance coverage data are collected in each interview in the Labor Force and Reciprocity Section of the questionnaire. The Medicaid coverage data are updated *dependently* by referencing the coverage reported in the previous interview in the current interview. Medicaid coverage is indicated by wave in the Control Card Section dedicated to recording information on income reciprocity and other statuses. Dependent updating of Medicaid coverage is restricted to persons age 18 and over (unless the individual is a parent). Coverage information for younger household members is derived by asking parents or guardians about coverage for children in the household. The private health insurance coverage is updated *independently*, as no data collected in previous interviews are used. Coverage is asked specifically for all household members age 15 and over. Coverage of household members under age 15 is derived by asking which household members are covered by insurance policies obtained by adult members.

The update for Medicaid and private health insurance coverage identifies persons having coverage at any time during the 4-month reference period but does not provide a monthly accounting of coverage. This monthly accounting is derived in one of two ways. For adult Medicaid-covered individuals and for persons with private health insurance in their "own name" (policyholders) a question is asked directly concerning the months of coverage. The months of coverage for all other household members were derived by linking their coverage to the adult household members reporting that their coverage extended to these other household members.

Unlike Medicaid and private health insurance coverage, Medicare coverage is not updated during each interview. A question concerning Medicare coverage is asked during each interview for persons in the likely "eligible" universe (i.e., 65 years and older or with a work disability) only if they have not previously indicated coverage or if they have recently entered the likely eligible universe. Persons who have indicated coverage in a previous interview are assumed to have continued coverage. No monthly coverage data are collected so coverage is assumed for all months of each 4-month reference period.

The private health insurance variables on the full-panel file are structured differently than those on the wave cross-sectional files. They do not replicate the detail as collected in the individual 4-month reference periods but have been restructured into three variables: a variable indicating coverage in the person's "own name" (variable name: "HOWNCOV"); a variable indicating coverage in "someone else's name" (variable name: "HIOTCOV"); and a variable indicating if the insurance was obtained through an employer (variable name: "HIEMPLYR"). This last variable applies only to persons with coverage in their own name. Unlike the cross-sectional files which list person numbers of covered individuals on the record of the person in whose name the policy is held, no attempt was made to establish covered units; i.e., which household members were covered by which member's policy.

The Medicaid coverage field on the full-panel file also differs in structure from the field on the cross-sectional files. The detailed responses that were included on the cross-sectional files are not included on the full-panel file. Only the "CAIDCOV" field which reflects the fully edited coverage indicator has been included for each of the thirty-two months.

Survey Weighting Procedures

A very important part of the full-panel file development was the calculation of the sample "weight" for each interviewed person. The weight is essentially the number of persons in the population represented by a particular sample person. On the panel file, three weights were carried for each interviewed person. These are a panel weight and calendar-year weights for 1984 and 1985.

Weights are assigned in a manner that assures that the sum of the weights of the sample persons equals independent estimates of the population for specified age, race, and sex categories. Control dates for the weights assigned on the panel file are November 1, 1983 (panel weight), January 1, 1984 (calendar-year 1984 weight), and January 1, 1985 (calendar-year 1985 weight).

Weighting procedures are also used to adjust for differential noninterview rates of the population based on other characteristics. These kinds of adjustments were used in the weighting procedures for the SIPP full-panel file to help account for any differences in the characteristics of interviewed persons compared to those lost due to noninterviews and other reasons. Weights were assigned only to persons in the following categories: 1) those interviewed in each interview that covers the appropriate reference period (panel, calendar years 1984 and 1985), 2) those interviewed in all interviews prior to death, and 3) those interviewed in all interviews prior to moving into the institutionalized population or leaving the country.

Topcodes, Bottomcodes, and Other Recodes

In order to maintain confidentiality of respondents, during cross-sectional processing certain variables were recoded. These recodes were implemented in a similar manner for the full-panel research file.

1. Age has been topcoded to 85 years and the birth year has been bottomcoded to 1900.
2. Asset income was topcoded to \$10,000 for each wave (\$2,500 for each month). For assets that were jointly owned by husband and wife, the topcode was \$20,000 as the amount was equally divided on each spouse's separate income record (\$10,000 for each spouse).
3. All other reported income amounts were topcoded to \$8,333 for monthly amounts; \$33,332 for amounts reported once per interview (covering a 4-month period); and \$99,996 for annual or single point amounts. The monthly topcoding was done only if the total amount reported during an interview, over 4 months, exceeded \$33,332. Loss of income was bottomcoded to these same amounts for each time frame.

Recoded income variables aggregating income of individual family members or aggregating several sources of income reflect the topcoding done to the detail. Individual amounts were reaggregated after they were topcoded.

One exception is that social security income for children had a topcode of \$5,000 for each month of the reference period.

4. Because of small populations in these states' sample areas, the following four states were combined and given the state code "90": Idaho, New Mexico, South Dakota, and Wyoming. Mississippi and West Virginia were combined under state code "91."
5. As noted in a previous section, the receipt of certain types of income sources and certain asset types were grouped together to protect confidentiality.

File Structure

A rectangular structure was selected for construction of the panel file. All persons with the same PSU, segment, and serial numbers are grouped together. Persons living together as a household in any given month have the same "HHADDID" number.

All persons who were members of an interviewed household for at least one of the first eight interviews are included on the panel data file. Each of these persons has one person-level record. All persons with 200+ level person numbers are included even though their panel weight is zero, but they may have positive calendar-year weights. These are persons that entered the sample in the second or later interviews by living with an original (100-level) sample person.⁶ Edited demographic, income, and other data are present for these persons even though one or more of their weights are zero. The aggregated income amounts for families and households include the income of these 200+ level persons, and the poverty thresholds reflect their presence in the family.

The person-level record contains: 1) basic variables that were collected only at the initial contact, 2) variables that apply to a point in time (the interview date), and 3) variables that apply to each individual month of the reference period. Some sections of the record are made up of identically structured subsections. These are required to accommodate multiple income sources and amounts, different asset ownerships and income flows, different employers, and different own businesses. Subsections included are 10 for income types, 6 for asset types, and 2 each for employers and businesses.

The person-level records are ordered in a manner that follows the record sequence of the Wave 1 file for 100-level persons with 200+ level persons following. Specific ordering of these person-level records is not particularly meaningful since household relationships, family and household composition, etc., can change monthly.

A key variable on the person record is the interview status field "PP-MIS." Values of "1" in this field indicate that this person was considered an interview for that month and the data fields have valid and consistent entries. The PP-MIS field applies to Type Z noninterviews—noninterviewed persons within interviewed households; that is, Type Z noninterviews are coded as "PP-MIS=1" because they are included in the development of monthly household and family income. A value of "2" for PP-MIS indicates that the person was not considered an interview for that month. In these cases, the monthly variables will have values of zero.

It should be noted that not all sample persons with a PP-MIS of "1" for a particular month have a positive weight. Only those persons as described in the weighting section have panel or calendar-year weights greater than zero. All persons with a PP-MIS of "1" do have valid monthly data.

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6. Persons interviewed during the first interview received a number in the "100" series—with the members of a household always getting the numbers 101 and so on in sequence. Persons entering a household in the second wave receive a number in the "200" series, beginning with 201, and so on through the nine waves. (Exceptions: There are 300-level persons in interview 2 because the second interview for the fourth rotation group took place during the 3rd wave! Similarly, there are 400-level persons in interview 3 because the third interview for the fourth rotation group took place during the 4th wave. This continues for rotation group 4 through Wave 8. Similarly the same phenomenon occurs again for a different rotation group in Wave 8 because the eighth interview for the third rotation group took place during Wave 9. These idiosyncrasies occur because Waves 2 and 8 only had 3 rotation groups.)

Figure 1. Design of 1984 SIPP Panel

Rotation	Wave	Interview Month	Reference Months
1	1	Oct. 83	June, July, Aug., Sept. (83)
2	1	Nov. 83	July, Aug., Sept., Oct. (83)
3	1	Dec. 83	Aug., Sept., Oct., Nov. (83)
4	1	Jan. 84	Sept., Oct., Nov., Dec. (83)
1	2	Feb. 84	Oct., Nov., Dec. (83), Jan. (84)
2	2	March 84	Nov., Dec. (83), Jan., Feb. (84)
3	2	April 84	Dec. (83), Jan., Feb., March (84)
4	3	May 84	Jan., Feb., March, April (84)
1	3	June 84	Feb., March, April, May (84)
2	3	July 84	March, April, May, June (84)
3	3	Aug. 84	April, May, June, July (84)
4	4	Sept. 84	May, June, July, Aug. (84)
1	4	Oct. 84	June, July, Aug., Sept. (84)
2	4	Nov. 84	July, Aug., Sept., Oct. (84)
3	4	Dec. 84	Aug., Sept., Oct., Nov. (84)
4	5	Jan. 85	Sept., Oct., Nov., Dec. (84)
1	5	Feb. 85	Oct., Nov., Dec. (84), Jan. (85)
2	5	March 85	Nov., Dec. (84), Jan., Feb. (85)
3	5	April 85	Dec. (84), Jan., Feb., March (85)
4	6	May 85	Jan., Feb., March, April (85)
1	6	June 85	Feb., March, April, May (85)
2	6	July 85	March, April, May, June (85)
3	6	Aug. 85	April, May, June, July (85)
4	7	Sept. 85	May, June, July, Aug. (85)
1	7	Oct. 85	June, July, Aug., Sept. (85)
2	7	Nov. 85	July, Aug., Sept., Oct. (85)
3	7	Dec. 85	Aug., Sept., Oct., Nov. (85)
4	8	Jan. 86	Sept., Oct., Nov., Dec. (85)
1	8	Feb. 86	Oct., Nov., Dec. (85), Jan. (86)
2	8	March 86	Nov., Dec. (85), Jan., Feb. (86)
3	9	April 86	Dec. (85), Jan., Feb., March (86)
4	9	May 86	Jan., Feb., March, April (86)
1	9	June 86	Feb., March, April, May (86)
2	9	July 86	March, April, May, June (86)

Figure 2. Labor Force Questions

Section 1 - LABOR FORCE AND RECIPIENCY		
(SHOW FLASHCARD 3)		
1. During the 4-month period outlined on this calendar, that is, from 14 months ago thru (Last month), did ... have a job or business, either full time or part time, even for only a few days? Mark "Yes" for active duty in the Armed Forces, any temporary or part-time work, and work without pay in a family business or farm.	1000 <input type="checkbox"/> Yes - Mark "Worked" inside 170 on BLS and SKIP to 4 <input type="checkbox"/> No	
2a. Even though ... did not have a job during this period, did ... spend any time looking for work or on layoff from a job?	1002 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 3a	
2b. Please look at the calendar. In which weeks was ... looking for work or on layoff from a job? Mark (X) all that apply.	1004 a. <input type="checkbox"/> ALL 1006 <input type="checkbox"/> 1 1016 <input type="checkbox"/> 7 1026 <input type="checkbox"/> 13 1008 <input type="checkbox"/> 2 1020 <input type="checkbox"/> 8 1028 <input type="checkbox"/> 14 1010 <input type="checkbox"/> 3 1022 <input type="checkbox"/> 9 1030 <input type="checkbox"/> 15 1012 <input type="checkbox"/> 4 1024 <input type="checkbox"/> 10 1032 <input type="checkbox"/> 16 1014 <input type="checkbox"/> 5 1026 <input type="checkbox"/> 11 1034 <input type="checkbox"/> 17 1018 <input type="checkbox"/> 6 1028 <input type="checkbox"/> 12 1036 <input type="checkbox"/> 18	
2c. Could ... have taken a job during any of these weeks if one had been offered?	1042 <input type="checkbox"/> Yes - SKIP to Check item R7 <input type="checkbox"/> No	
2d. What was the main reason ... could not take a job during these weeks? Mark (X) only one.	1044 <input type="checkbox"/> Already had a job <input type="checkbox"/> Temporary illness <input type="checkbox"/> School <input type="checkbox"/> Other - Specify _____	
WHICH REASON? Refer to item 2b. Is the "ALL" box marked in 2b?	1048 <input type="checkbox"/> Yes - SKIP to 2a, page 4 <input type="checkbox"/> No - SKIP to 3b	
3a. Were there any weeks in the 4-month period when ... wanted a job?	1048 <input type="checkbox"/> Yes - SKIP to 3c <input type="checkbox"/> No - SKIP to 3a, page 4	
3b. I have recorded that there were weeks that ... did not work or look for work. Did ... want a job in those weeks?	1050 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 3a, page 4	
3c. Could ... have taken a job in those weeks if one had been offered?	1052 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 3a, page 4	
3d. During the weeks that ... wanted a job but was not looking for one, what was the main reason ... was not looking? Mark (X) only one.	1054 <input type="checkbox"/> Believes no work available in line of work at 4:45 <input type="checkbox"/> Couldn't find any work <input type="checkbox"/> Lacks necessary schooling, training, skills, or experience <input type="checkbox"/> Employers think too young or too old <input type="checkbox"/> Other personal handicap in finding job <input type="checkbox"/> Can't arrange child care <input type="checkbox"/> Family responsibilities <input type="checkbox"/> In school or other training <input type="checkbox"/> Ill health, physical disability <input type="checkbox"/> Other - Specify _____ <input type="checkbox"/> DK	SKIP to 3a, page 4
4. Did ... have a job or business, either full or part time, during EACH of the weeks in this period? Note that the person did not have to work each week.	1058 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 5a	
5a. Was ... absent without pay from ...'s job or business for any FULL weeks during the 4-month period?	1060 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 5a, page 4	
5b. Please look at the calendar. In which weeks was ... absent without pay? Mark (X) all that apply.	1062 a. <input type="checkbox"/> ALL 1062 <input type="checkbox"/> 1 1072 <input type="checkbox"/> 7 1082 <input type="checkbox"/> 13 1064 <input type="checkbox"/> 2 1074 <input type="checkbox"/> 8 1084 <input type="checkbox"/> 14 1066 <input type="checkbox"/> 3 1076 <input type="checkbox"/> 9 1086 <input type="checkbox"/> 15 1068 <input type="checkbox"/> 4 1078 <input type="checkbox"/> 10 1088 <input type="checkbox"/> 16 1070 <input type="checkbox"/> 5 1080 <input type="checkbox"/> 11 1090 <input type="checkbox"/> 17 1072 <input type="checkbox"/> 6 1082 <input type="checkbox"/> 12 1092 <input type="checkbox"/> 18	
5c. What was the main reason ... was absent from ...'s job or business during those weeks? Mark (X) only one.	1094 <input type="checkbox"/> On layoff <input type="checkbox"/> Own illness <input type="checkbox"/> On vacation <input type="checkbox"/> Bad weather <input type="checkbox"/> Labor dispute <input type="checkbox"/> New job to begin within 30 days <input type="checkbox"/> Other - Specify _____	SKIP to 5a, page 4

Figure 2. Labor Force Questions--Continued

APPENDIX B - DESCRIPTION

Section 1 - LABOR FORCE AND RECIPIENCY (Continued)									
<p>SHOW FLASHCARD J!</p> <p>6a. Please look at the calendar. In which weeks did ... have a job or business?</p> <p>Mark (X) calendar below. "With a job or business." AND then mark appropriate boxes.</p>									
1100	<input type="checkbox"/>	1	1112	<input type="checkbox"/>	7	1124	<input type="checkbox"/>	13	
1101	<input type="checkbox"/>	2	1113	<input type="checkbox"/>	8	1125	<input type="checkbox"/>	14	
1102	<input type="checkbox"/>	3	1114	<input type="checkbox"/>	9	1126	<input type="checkbox"/>	15	
1103	<input type="checkbox"/>	4	1115	<input type="checkbox"/>	10	1127	<input type="checkbox"/>	16	
1104	<input type="checkbox"/>	5	1116	<input type="checkbox"/>	11	1128	<input type="checkbox"/>	17	
1105	<input type="checkbox"/>	6	1117	<input type="checkbox"/>	12	1129	<input type="checkbox"/>	18	
<p>b. Of these weeks that ... had a job or business, were ... absent from work for any full weeks without pay?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 7e</p>									
<p>c. In which weeks were ... absent without pay?</p> <p>1130 <input type="checkbox"/> 1 1142 <input type="checkbox"/> 7 1154 <input type="checkbox"/> 13</p> <p>1131 <input type="checkbox"/> 2 1143 <input type="checkbox"/> 8 1155 <input type="checkbox"/> 14</p> <p>1132 <input type="checkbox"/> 3 1144 <input type="checkbox"/> 9 1156 <input type="checkbox"/> 15</p> <p>1133 <input type="checkbox"/> 4 1145 <input type="checkbox"/> 10 1157 <input type="checkbox"/> 16</p> <p>1134 <input type="checkbox"/> 5 1146 <input type="checkbox"/> 11 1158 <input type="checkbox"/> 17</p> <p>1135 <input type="checkbox"/> 6 1147 <input type="checkbox"/> 12 1159 <input type="checkbox"/> 18</p>									
<p>d. What was the main reason ... was absent from ...'s job or business during these weeks?</p> <p>Mark (X) only one.</p> <p>1170 <input type="checkbox"/> On layoff <input type="checkbox"/> Own illness <input type="checkbox"/> On vacation <input type="checkbox"/> Bad weather <input type="checkbox"/> Labor dispute <input type="checkbox"/> New job to begin within 30 days <input type="checkbox"/> Other - Specify _____</p>									
<p>7a. I have marked that there were some weeks in this period in which ... did NOT have a job or business. During that week or weeks did ... spend any time looking for work or on layoff?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 7e</p>									
<p>b. In which of these weeks were ... looking for work or on layoff from a job?</p> <p>Mark (X) calendar below. "Looking for work or on layoff" AND then mark appropriate boxes.</p> <p>1160 <input type="checkbox"/> 1 1172 <input type="checkbox"/> 7 1184 <input type="checkbox"/> 13</p> <p>1161 <input type="checkbox"/> 2 1173 <input type="checkbox"/> 8 1185 <input type="checkbox"/> 14</p> <p>1162 <input type="checkbox"/> 3 1174 <input type="checkbox"/> 9 1186 <input type="checkbox"/> 15</p> <p>1163 <input type="checkbox"/> 4 1175 <input type="checkbox"/> 10 1187 <input type="checkbox"/> 16</p> <p>1164 <input type="checkbox"/> 5 1176 <input type="checkbox"/> 11 1188 <input type="checkbox"/> 17</p> <p>1165 <input type="checkbox"/> 6 1177 <input type="checkbox"/> 12 1189 <input type="checkbox"/> 18</p>									
<p>c. Could ... have taken a job during those weeks if one had been offered?</p> <p><input type="checkbox"/> Yes - SKIP to Check item #2 <input type="checkbox"/> No</p>									
<p>d. What was the main reason ... could not take a job during those weeks?</p> <p>1210 <input type="checkbox"/> Already had a job <input type="checkbox"/> Temporary illness <input type="checkbox"/> School <input type="checkbox"/> Other - Specify _____</p>									
<p>CHECK ITEM #2 Refer to the Labor Force Calendar, below. Is each week of the 8-month period marked as "With a job or business" or "Looking for work or on layoff"?</p> <p>1220 <input type="checkbox"/> Yes - SKIP to 8a <input type="checkbox"/> No - SKIP to 7f</p>									
<p>7e. Did ... want a job in those weeks when ... did not have one?</p> <p>1222 <input type="checkbox"/> Yes - SKIP to 7g <input type="checkbox"/> No - SKIP to 8a</p>									
<p>f. I have marked that there were weeks in this period when ... did not have a job and was not looking for a job. Did ... want a job in those weeks? If necessary, refer to Labor Force calendar.</p> <p>1224 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 8a</p>									
<p>g. Could ... have taken a job during those weeks if one had been offered?</p> <p>1226 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 8a</p>									
<p>LABOR FORCE CALENDAR - Use when item 6 is marked "No"</p> <p>WEEK → 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18</p> <p>With a job or business. Mark for item 6a.</p> <p>Looking for work or on layoff (and without a job or business.) Mark for item 7a.</p>									

Figure 2. Labor Force Questions--Continued

Section 1 -- LABOR FORCE AND RECEIPIENCY (Continued)	
<p>7h. During the weeks that ... wanted a job but was not looking for one, what was the main reason ... was not looking?</p> <p>Mark (X) only one.</p>	<p>1232</p> <p><input type="checkbox"/> Believes no work available in line of work or area</p> <p><input type="checkbox"/> Couldn't find any work</p> <p><input type="checkbox"/> Lacks necessary schooling, training, skills, or experience</p> <p><input type="checkbox"/> Employers think too young or too old</p> <p><input type="checkbox"/> Other personal handicap in finding job</p> <p><input type="checkbox"/> Can't arrange child care</p> <p><input type="checkbox"/> Family responsibilities</p> <p><input type="checkbox"/> In school or other training</p> <p><input type="checkbox"/> Ill health, physical disability</p> <p><input type="checkbox"/> Other - Specify _____</p> <p><input type="checkbox"/> DK</p>
<p>8a. In the weeks that ... worked during the 4-month period, how many hours did ... usually work per week?</p>	<p>1230</p> <p><input type="text"/> Hours per week</p> <p>X3 <input type="checkbox"/> None } SKIP to 9a</p> <p>X1 <input type="checkbox"/> DK</p>
<p>CHECK ITEM 83 Refer to Item 8a. Did ... usually work 35 or more hours per week?</p>	<p>1232</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No - SKIP to 8c</p>
<p>8b. Did ... work less than 35 hours in any of the weeks that ... worked during this period? Exclude time off WITH PAY because of holidays, vacation, days off or sickness.</p>	<p>1234</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No - SKIP to 8c</p>
<p>c. In how many weeks did ... work less than 35 hours during this 4-month period?</p>	<p>1236</p> <p>X1 <input type="checkbox"/> All</p> <p><input type="text"/> Weeks</p>
<p>d. What was the main reason ... worked less than 35 hours in those weeks?</p> <p>Mark (X) only one.</p>	<p>1238</p> <p><input type="checkbox"/> Could not find a full-time job</p> <p><input type="checkbox"/> Wanted to work part time</p> <p><input type="checkbox"/> Health condition or disability</p> <p><input type="checkbox"/> Normal working hours are less than 35 hours</p> <p><input type="checkbox"/> Slack work or material shortage</p> <p><input type="checkbox"/> Other - Specify _____</p>

Figure 3. Income Source List - Codes 1-56

INCOME SOURCE LIST
INCOME LIST

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

Source: Inside last page of SIPP questionnaire.

Figure 4. Asset Codes - Codes 100-150

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

Source: Inside last page of SIPP questionnaire.

Table 1. Marital Status Edits

This table shows the number of changes made to marital status because of inconsistencies on the cross-sectional files. These counts only reflect changes made when a "nonmarried, spouse present" marital status is followed by another "nonmarried, spouse present" marital status which is inconsistent. An example would be someone who changes from "separated" in one month to "never married" in the next month.

Month N	Month N+1	Month N+2	Edit	Number
NSA	NM		NSA-->NM	18
WID	NM		NM-->WID	2
WID	NM		WID-->NM	4
DIV	NM		NM-->DIV	11
DIV	NM		DIV-->NM	14
SEP	NM		NM-->SEP	4
SEP	NM		SEP-->NM	17
WID	DIV		DIV-->WID	22
WID	DIV		WID-->DIV	10
WID	SEP		WID-->SEP	2
DIV	SEP		SEP-->DIV	24
DIV	SEP		DIV-->SEP	21
NM	WID		WID-->NM	5
NM	WID		NM-->WID	4
NM	DIV		DIV-->NM	29
NM	DIV		NM-->DIV	12
NM	SEP		SEP-->NM	19
NM	SEP		NM-->SEP	5
DIV	WID		WID-->DIV	15
DIV	WID		DIV-->WID	17
NSA	NM		NM-->NSA	1
WID	SEP		SEP-->WID	3
NSP	NM	DIV	NM-->DIV	1
NSP	DIV	WID	DIV-->WID	1
-----				---
Total Changes				262

In two cases marital status was first reported as "married, spouse present," then reported as "separated," and in a third report given as "never married." In these two cases the "never married" status was changed to "separated."

Table 2. Summary Counts From the Edit of "Weeks With a Job or Business" in the Labor Force Section and "Weeks With a Job or Business" in the Employment and Earnings Section

Situation	Percent Distribution Of Occurrences
Total months checked.....	100.0
Weeks in labor force and employer sections the same.....	92.3
Weeks in labor force equal total weeks in specified month and multiple employer records present.....	3.7
Unpaid worker or business record only.....	0.7
Labor force weeks inconsistent and edited to conform to employer record weeks with the job.....	3.1
Edited "weeks with a job or business"....	100.0
"Weeks with a job or business" changed to zero, total.....	16.5
ESR changed to 6.....	0.8
ESR changed to 7.....	3.1
ESR changed to 8.....	12.6
"Weeks with a job or business" changed, resulting value 1-5, total.....	83.5
ESR changed to 1.....	49.5
ESR changed to 2.....	0.5
ESR changed to 3.....	0.5
ESR changed to 4.....	21.3
ESR changed to 5.....	11.7

Table 3. Summary Counts From the Edit of Job Identification Numbers

Situation	Number of Occurrences
Total number of employer records.....	178,805
Records requiring edit of Job ID.....	7,621
Job ID of first employer record /1.....	626
Gaps in ID's.....	3,629
Job ID assigned incorrectly.....	3,405

Table 4. Longitudinal Imputation Rates by Type of Income: 12-Month Average, 1984 SIPP Panel File

(Includes imputation due to item nonresponse only. Excludes imputations to Type 2's)

Income type	Number				Percent		
	Total	No imputations	Some imputations	All imputations	No imputations	Some imputations	All imputations
Social Security.....	6,422	5,630	550	242	87.7	8.6	3.0
Railroad Retirement.....	163	137	17	9	84.0	10.4	5.5
Federal SSI.....	703	634	30	39	90.2	4.3	5.5
State SSI.....	16	15	-	1	93.0	-	6.3
Unemployment compensation.....	494	428	22	44	86.6	4.5	8.9
Supplemental unemployment benefits.....	21	17	1	3	81.0	4.8	14.3
Other unemployment compensation.....	12	11	-	1	91.7	-	8.3
Veterans compensation.....	687	597	53	37	86.9	7.7	5.4
Black lung payments.....	39	32	3	4	82.1	7.7	10.3
Workers compensation.....	127	109	6	12	85.8	4.7	9.4
State temporary sickness.....	25	21	1	3	84.0	4.0	12.0
Employer temporary sickness.....	19	16	1	2	84.2	5.3	10.5
Payments from own insurance policy.....	30	23	1	6	76.7	3.3	20.0
AFDC.....	610	562	29	19	92.1	4.0	3.1
General assistance.....	187	158	11	18	84.5	5.9	9.6
Refugee assistance.....	3	2	-	1	66.7	-	33.3
Foster child care payments.....	14	12	1	1	85.7	7.1	7.1
Other welfare.....	42	34	2	6	81.0	4.8	14.3
MC.....	274	236	26	12	86.1	9.5	4.4

**Table 4. Longitudinal Imputation Rates by Type of Income: 12-Month Average,
1984 SIPP Panel File--Continued**

(Includes imputation due to item nonresponse only. Excludes imputation to Type 2's)

Income type	Number				Percent		
	Total	No Imputa- tions	Some Imputa- tions	All Imputa- tions	No Imputa- tions	Some Imputa- tions	All Imputa- tions
Fond stamps.....	1,320	1,224	56	40	92.7	4.2	3.0
Child support.....	635	580	29	26	91.3	4.6	4.1
Alimony.....	93	77	3	9	82.8	7.5	9.7
Company or union pension.....	1,615	1,363	130	122	84.4	8.0	7.6
Civil Service pension.....	367	316	23	28	86.1	6.3	7.6
Military retirement.....	253	217	13	23	85.8	5.1	9.1
Reserve or National Guard retirement.....	24	21	2	1	87.5	8.3	4.2
State government pension.....	424	365	30	29	86.1	7.1	6.8
Local government pension.....	174	147	12	15	84.5	6.9	8.6
Life insurance or annuities.....	142	105	20	17	73.9	14.1	12.0
Estates and trusts.....	63	45	10	8	71.4	15.9	12.7
Other retirement.....	171	143	9	19	83.6	5.3	11.1
G.I. Bill.....	52	41	4	7	78.8	7.7	13.5
Assistance from charitable group.....	3	2	-	1	66.7	-	33.3
Money from relatives or friends.....	258	212	18	28	82.2	7.0	10.9
Lump sum payments.....	21	19	1	1	90.5	4.8	4.8
Income from roomers or boarders.....	23	21	1	1	91.3	4.1	4.3
National Guard or Reserve pay.....	98	81	8	9	82.7	8.2	9.2
Incidental earnings.....	164	144	8	12	87.8	4.9	7.3
Other income.....	127	107	9	11	84.3	7.1	8.7

Table 5. Summary of Edits for Correction of Wave 1 Error in Consistency Edit Specifications

Type of income	Number of times edit required
Total.....	152
Social Security.....	25
Railroad Retirement.....	2
Federal SSI.....	8
State unemployment compensation.....	26
Supplemental unemployment benefits.....	1
Other unemployment compensation.....	1
Veterans payments.....	2
Workers compensation.....	1
Insurance policy payments.....	1
AFDC, ADC.....	6
General assistance.....	1
Foster child care payments.....	1
WIC.....	8
Food stamps.....	20
Child support payments.....	22
Alimony.....	4
Company or union pension.....	13
Federal employee pension.....	4
U.S. Military retirement.....	3
National Guard or Reserve retirement.....	1
State government pension.....	1
Local government pension.....	1

Table 6. Longitudinal Imputation Rates by Type of Income From Assets for Asset Sources 100-150: 32-Month Average, 1984 SIPP Panel File

(Includes imputation due to item nonresponse. Excludes imputations to Type Z's)

Asset type	Number				Percent		
	Total	No imputa- tions	Some imputa- tions	All imputa- tions	No imputa- tions	Some imputa- tions	All imputa- tions
100-103, Joint.....	11,756	9,889	1,262	605	84.1	10.7	5.1
100-103, Own.....	9,880	7,720	1,247	913	78.1	12.6	9.2
104-107, Joint.....	1,124	916	175	33	81.5	15.6	2.9
104-107, Own.....	1,122	831	173	118	74.1	15.4	10.5
110, Joint, Received..	1,173	965	89	119	82.3	7.6	10.1
110, Joint, Credited..	586	319	114	153	54.4	19.5	26.1
110, Own, Received....	2,144	1,105	287	752	51.5	13.4	35.1
110, Own, Credited....	1,166	397	211	558	34.0	18.1	47.9
120, Joint.....	1,336	1,021	206	109	76.4	15.4	8.2
120, Own.....	512	369	80	73	70.1	15.6	14.3
120, Other Joint.....	239	172	27	40	72.0	11.3	16.7
130, Joint.....	446	362	59	25	81.2	13.2	5.6
130, Own.....	258	162	45	45	62.8	17.4	17.4
140-150.....	595	506	44	45	84.9	7.4	7.7

The Cross-Sectional Persons/Family Edit

Introduction

In SIPP as in most surveys, the basic unit for data collection is the person. Most of the data is collected on a person-by-person basis; that is, persons are interviewed for and about themselves. When it comes time to analyze the data, there is, of course, interest in what the data can say about the individual, but also interest in what it tells us about groups of people such as households and families. This is especially important for income surveys since a person's economic well-being is really a function of the well-being of the family or household in which he resides.

For the survey's purposes, a household is made up of all the persons who reside at the same address at a given point in time. A unique identifier is assigned to each sample address (PSU, SEGMENT, SERIAL NUMBER, ADDRESS ID). That identifier is attached to the data collected for each individual living there. It is, therefore, a simple matter to identify all the persons living at the same address and then aggregate or summarize the persons' data into a household record. Concepts like total household income or households which receive food stamps can then be studied.

Identifying families is a much more difficult operation. Before starting a determination must be made of exactly what is meant by the term "family." The data used to define families will be the responses to the survey questions and, like all survey data, will contain inconsistencies and omissions. This is why a persons/family edit is needed.

Primary Goals of the Person/Family Edit

1. To edit and impute the personal characteristics (often called the basic demographic characteristics) of all persons in each household for completeness and consistency. These characteristics include, among others, age, sex, race, marital status, and relationship to reference person.
2. To identify which persons belong to family groupings within the household and to create summary "family" records for each group identified.

Relationship to Reference Person

The single most important data field used in determining family composition is "relationship to reference person." The relationship of each person in the household is identified: the household reference person; some relative of the household reference person; or a nonrelative of the reference person, with or without relatives of his/her own. The specific categories of relationship identified on the control card or questionnaire have varied over the years and from survey to survey. For the 1984 SIPP Panel the following values are assigned:

- 01 Reference person WITH relatives in household
- 02 Reference person with NO relatives in household
- 03 Husband (of reference person)
- 04 Wife (of reference person)
- 05 Natural/adopted child (of reference person)
- 06 Parent (of reference person)
- 07 Brother/sister (of reference person)
- 08 Other relative (of reference person)
- 09 Nonrelative of reference person WITH OWN relatives in the household
- 10 Nonrelative of reference person with NO OWN relatives in the household

The reference person in a household usually is the person whose name appears on the deed or lease. By definition, the household reference person (and the spouse of the reference person) must be an adult (age = 15 or more). When more than one name appears on the deed or lease, such as is often the case with married couples, either of those persons may be designated the reference person. By definition, there can be only one household reference person in each household.

Family Definitions

Family. Any group of two or more persons who are related by blood, marriage or adoption. Note: If two persons are married, anyone related to one spouse is considered to be related to the other.

Examples:

1. A man and his wife
2. A woman and her natural child
3. A woman and her adopted child
4. A man, his wife and their six children
5. A man and his grandchild
6. Two sisters

Examples of living arrangements which are not families:

1. Two unrelated roommates
2. A woman and her foster child

Primary Family. A family which includes the household reference person among its members. The household reference person is also considered to be the family reference person for the primary family.

Related Subfamily. This is a family which is a subset of the primary family but which does not include the household reference person or the spouse of the reference person. A related subfamily must contain, at least, a husband-wife pair or a parent-child pair, where the child must be under 18 years of age and never married.

Examples:

The household contains the following:

1. Reference person
 2. Spouse of reference person
 3. Daughter of reference person
 4. Son-in-law (daughter's spouse)
- Persons 1-4 are in the primary family.
Persons 3-4 are also in a related subfamily.

The household contains the following:

1. Reference person
 2. Daughter of reference person
 3. Grandchild of reference person (5-year-old child of daughter)
- Persons 1-3 are in the primary family.
Persons 2-3 are in a related subfamily.

The following is not a related subfamily:

1. Reference person
2. Daughter of reference person
3. Grandchild of reference person (17-year-old, separated child of daughter)

The grandchild must be under 18 and *never married* to be a child of a subfamily.

Unrelated Subfamily. (formerly called Secondary Family) This is a family in which none of the members are related to the household reference person.

Example: The household contains the following:

1. Reference person
2. Nonrelative of reference person (live-in housekeeper)
3. Nonrelative of reference person (5-year-old child of housekeeper)

Persons 2-3 comprise an unrelated subfamily. The family membership rules are very similar to those of the related subfamily; that is, the family must contain, at least, a husband-wife pair or a parent-child pair where the child must be under 18 and never married. Membership is restricted to spouses and their children. Any other relative of the subfamily reference person, such as parent, brother, or cousin, is not considered to be a member of the subfamily.

Other Definitions

There are two other definitions which should be covered at this time. They are not families, but they are often tabulated and analyzed together with families and for that reason family records are created for them.

Primary Individual. A household reference person who lives alone or only with people not related to him/her.

Secondary Individual. A household member who is not the household reference person, is not related to the household reference person, and who does not qualify as a member of an unrelated subfamily. Households must contain either a primary family or a primary individual but not both since a household must have exactly one reference person. They may also contain one or more related subfamilies (assuming there is a primary family), one or more unrelated subfamilies, and/or one or more secondary individuals. There is one other type of living arrangement which has not yet been addressed.

Group Quarters. Group quarters is a special "nonhousehold" type of living arrangement. Typically it is a room or rooms in some structure established as temporary housing for groups of unrelated people. Examples are hotels, motels, or boarding houses. Any structure which contains a large number of people (nine or more) who are not related to the reference person is also considered to be group quarters. An arbitrary census definition says that group quarters contain only secondary individuals. There is no reference person in group quarters. Living arrangements which contain only children (age 15 or under) are also added to be group quarters since households must have a reference person, and the reference person must be an adult.

GENERAL INFORMATION		CONTACT INFORMATION		IDENTIFICATION		RESIDENCE		EMPLOYMENT		EDUCATION		MILITARY SERVICE		CRIMINAL RECORD		FINANCIAL STATUS		FAMILY STATUS		OTHER INFORMATION			
1.01	NAME (Last, First, Middle Initial)	1.02	DATE OF BIRTH (MM/DD/YYYY)	1.03	SSN (XXX-XX-XXXX)	1.04	DATE OF ENTRY (MM/DD/YYYY)	1.05	DATE OF DEPARTURE (MM/DD/YYYY)	1.06	EDUCATION LEVEL	1.07	MILITARY SERVICE	1.08	CRIMINAL RECORD	1.09	FINANCIAL STATUS	1.10	FAMILY STATUS	1.11	OTHER INFORMATION		
2.01	ADDRESS (Street, City, State, ZIP)	2.02	PHONE (Area Code, Number)	2.03	EMAIL (Address)	2.04	DATE OF BIRTH (MM/DD/YYYY)	2.05	DATE OF ENTRY (MM/DD/YYYY)	2.06	DATE OF DEPARTURE (MM/DD/YYYY)	2.07	EDUCATION LEVEL	2.08	MILITARY SERVICE	2.09	CRIMINAL RECORD	2.10	FINANCIAL STATUS	2.11	FAMILY STATUS	2.12	OTHER INFORMATION
3.01	EMPLOYER (Name, Address, City, State, ZIP)	3.02	POSITION (Title, Description)	3.03	DATE OF BIRTH (MM/DD/YYYY)	3.04	DATE OF ENTRY (MM/DD/YYYY)	3.05	DATE OF DEPARTURE (MM/DD/YYYY)	3.06	EDUCATION LEVEL	3.07	MILITARY SERVICE	3.08	CRIMINAL RECORD	3.09	FINANCIAL STATUS	3.10	FAMILY STATUS	3.11	OTHER INFORMATION	3.12	OTHER INFORMATION
4.01	SCHOOL (Name, Address, City, State, ZIP)	4.02	DEGREE (Type, Level)	4.03	DATE OF BIRTH (MM/DD/YYYY)	4.04	DATE OF ENTRY (MM/DD/YYYY)	4.05	DATE OF DEPARTURE (MM/DD/YYYY)	4.06	EDUCATION LEVEL	4.07	MILITARY SERVICE	4.08	CRIMINAL RECORD	4.09	FINANCIAL STATUS	4.10	FAMILY STATUS	4.11	OTHER INFORMATION	4.12	OTHER INFORMATION
5.01	BRANCH (Service, Component)	5.02	GRADE (Rank, Position)	5.03	DATE OF BIRTH (MM/DD/YYYY)	5.04	DATE OF ENTRY (MM/DD/YYYY)	5.05	DATE OF DEPARTURE (MM/DD/YYYY)	5.06	EDUCATION LEVEL	5.07	MILITARY SERVICE	5.08	CRIMINAL RECORD	5.09	FINANCIAL STATUS	5.10	FAMILY STATUS	5.11	OTHER INFORMATION	5.12	OTHER INFORMATION
6.01	CRIME (Type, Description)	6.02	DATE OF BIRTH (MM/DD/YYYY)	6.03	DATE OF ENTRY (MM/DD/YYYY)	6.04	DATE OF DEPARTURE (MM/DD/YYYY)	6.05	EDUCATION LEVEL	6.06	MILITARY SERVICE	6.07	CRIMINAL RECORD	6.08	FINANCIAL STATUS	6.09	FAMILY STATUS	6.10	OTHER INFORMATION	6.11	OTHER INFORMATION	6.12	OTHER INFORMATION
7.01	INCOME (Type, Amount)	7.02	DATE OF BIRTH (MM/DD/YYYY)	7.03	DATE OF ENTRY (MM/DD/YYYY)	7.04	DATE OF DEPARTURE (MM/DD/YYYY)	7.05	EDUCATION LEVEL	7.06	MILITARY SERVICE	7.07	CRIMINAL RECORD	7.08	FINANCIAL STATUS	7.09	FAMILY STATUS	7.10	OTHER INFORMATION	7.11	OTHER INFORMATION	7.12	OTHER INFORMATION
8.01	SPOUSE (Name, Address, City, State, ZIP)	8.02	DATE OF BIRTH (MM/DD/YYYY)	8.03	DATE OF ENTRY (MM/DD/YYYY)	8.04	DATE OF DEPARTURE (MM/DD/YYYY)	8.05	EDUCATION LEVEL	8.06	MILITARY SERVICE	8.07	CRIMINAL RECORD	8.08	FINANCIAL STATUS	8.09	FAMILY STATUS	8.10	OTHER INFORMATION	8.11	OTHER INFORMATION	8.12	OTHER INFORMATION
9.01	CHILDREN (Name, Address, City, State, ZIP)	9.02	DATE OF BIRTH (MM/DD/YYYY)	9.03	DATE OF ENTRY (MM/DD/YYYY)	9.04	DATE OF DEPARTURE (MM/DD/YYYY)	9.05	EDUCATION LEVEL	9.06	MILITARY SERVICE	9.07	CRIMINAL RECORD	9.08	FINANCIAL STATUS	9.09	FAMILY STATUS	9.10	OTHER INFORMATION	9.11	OTHER INFORMATION	9.12	OTHER INFORMATION
10.01	OTHER (Name, Address, City, State, ZIP)	10.02	DATE OF BIRTH (MM/DD/YYYY)	10.03	DATE OF ENTRY (MM/DD/YYYY)	10.04	DATE OF DEPARTURE (MM/DD/YYYY)	10.05	EDUCATION LEVEL	10.06	MILITARY SERVICE	10.07	CRIMINAL RECORD	10.08	FINANCIAL STATUS	10.09	FAMILY STATUS	10.10	OTHER INFORMATION	10.11	OTHER INFORMATION	10.12	OTHER INFORMATION

1. CONTING NUMBER		2. DATE		3. NAME		4. ADDRESS		5. CITY		6. STATE		7. ZIP		8. PHONE		9. FAX		10. E-MAIL		11. OCCUPATION		12. EDUCATION		13. MILITARY SERVICE		14. FOREIGN TRAVEL		15. OTHER INFORMATION		16. COMMENTS		17. SIGNATURE		18. DATE		19. OFFICE		20. TELEPHONE		21. FAX		22. E-MAIL		23. OTHER		24. REMARKS		25. DATE		26. OFFICE		27. TELEPHONE		28. FAX		29. E-MAIL		30. OTHER		31. REMARKS		32. DATE		33. OFFICE		34. TELEPHONE		35. FAX		36. E-MAIL		37. OTHER		38. REMARKS		39. DATE		40. OFFICE		41. TELEPHONE		42. FAX		43. E-MAIL		44. OTHER		45. REMARKS		46. DATE		47. OFFICE		48. TELEPHONE		49. FAX		50. E-MAIL		51. OTHER		52. REMARKS		53. DATE		54. OFFICE		55. TELEPHONE		56. FAX		57. E-MAIL		58. OTHER		59. REMARKS		60. DATE		61. OFFICE		62. TELEPHONE		63. FAX		64. E-MAIL		65. OTHER		66. REMARKS		67. DATE		68. OFFICE		69. TELEPHONE		70. FAX		71. E-MAIL		72. OTHER		73. REMARKS		74. DATE		75. OFFICE		76. TELEPHONE		77. FAX		78. E-MAIL		79. OTHER		80. REMARKS		81. DATE		82. OFFICE		83. TELEPHONE		84. FAX		85. E-MAIL		86. OTHER		87. REMARKS		88. DATE		89. OFFICE		90. TELEPHONE		91. FAX		92. E-MAIL		93. OTHER		94. REMARKS		95. DATE		96. OFFICE		97. TELEPHONE		98. FAX		99. E-MAIL		100. OTHER		101. REMARKS		102. DATE		103. OFFICE		104. TELEPHONE		105. FAX		106. E-MAIL		107. OTHER		108. REMARKS		109. DATE		110. OFFICE		111. TELEPHONE		112. FAX		113. E-MAIL		114. OTHER		115. REMARKS		116. DATE		117. OFFICE		118. TELEPHONE		119. FAX		120. E-MAIL		121. OTHER		122. REMARKS		123. DATE		124. OFFICE		125. TELEPHONE		126. FAX		127. E-MAIL		128. OTHER		129. REMARKS		130. DATE		131. OFFICE		132. TELEPHONE		133. FAX		134. E-MAIL		135. OTHER		136. REMARKS		137. DATE		138. OFFICE		139. TELEPHONE		140. FAX		141. E-MAIL		142. OTHER		143. REMARKS		144. DATE		145. OFFICE		146. TELEPHONE		147. FAX		148. E-MAIL		149. OTHER		150. REMARKS		151. DATE		152. OFFICE		153. TELEPHONE		154. FAX		155. E-MAIL		156. OTHER		157. REMARKS		158. DATE		159. OFFICE		160. TELEPHONE		161. FAX		162. E-MAIL		163. OTHER		164. REMARKS		165. DATE		166. OFFICE		167. TELEPHONE		168. FAX		169. E-MAIL		170. OTHER		171. REMARKS		172. DATE		173. OFFICE		174. TELEPHONE		175. FAX		176. E-MAIL		177. OTHER		178. REMARKS		179. DATE		180. OFFICE		181. TELEPHONE		182. FAX		183. E-MAIL		184. OTHER		185. REMARKS		186. DATE		187. OFFICE		188. TELEPHONE		189. FAX		190. E-MAIL		191. OTHER		192. REMARKS		193. DATE		194. OFFICE		195. TELEPHONE		196. FAX		197. E-MAIL		198. OTHER		199. REMARKS		200. DATE		201. OFFICE		202. TELEPHONE		203. FAX		204. E-MAIL		205. OTHER		206. REMARKS		207. DATE		208. OFFICE		209. TELEPHONE		210. FAX		211. E-MAIL		212. OTHER		213. REMARKS		214. DATE		215. OFFICE		216. TELEPHONE		217. FAX		218. E-MAIL		219. OTHER		220. REMARKS		221. DATE		222. OFFICE		223. TELEPHONE		224. FAX		225. E-MAIL		226. OTHER		227. REMARKS		228. DATE		229. OFFICE		230. TELEPHONE		231. FAX		232. E-MAIL		233. OTHER		234. REMARKS		235. DATE		236. OFFICE		237. TELEPHONE		238. FAX		239. E-MAIL		240. OTHER		241. REMARKS		242. DATE		243. OFFICE		244. TELEPHONE		245. FAX		246. E-MAIL		247. OTHER		248. REMARKS		249. DATE		250. OFFICE		251. TELEPHONE		252. FAX		253. E-MAIL		254. OTHER		255. REMARKS		256. DATE		257. OFFICE		258. TELEPHONE		259. FAX		260. E-MAIL		261. OTHER		262. REMARKS		263. DATE		264. OFFICE		265. TELEPHONE		266. FAX		267. E-MAIL		268. OTHER		269. REMARKS		270. DATE		271. OFFICE		272. TELEPHONE		273. FAX		274. E-MAIL		275. OTHER		276. REMARKS		277. DATE		278. OFFICE		279. TELEPHONE		280. FAX		281. E-MAIL		282. OTHER		283. REMARKS		284. DATE		285. OFFICE		286. TELEPHONE		287. FAX		288. E-MAIL		289. OTHER		290. REMARKS		291. DATE		292. OFFICE		293. TELEPHONE		294. FAX		295. E-MAIL		296. OTHER		297. REMARKS		298. DATE		299. OFFICE		300. TELEPHONE		301. FAX		302. E-MAIL		303. OTHER		304. REMARKS		305. DATE		306. OFFICE		307. TELEPHONE		308. FAX		309. E-MAIL		310. OTHER		311. REMARKS		312. DATE		313. OFFICE		314. TELEPHONE		315. FAX		316. E-MAIL		317. OTHER		318. REMARKS		319. DATE		320. OFFICE		321. TELEPHONE		322. FAX		323. E-MAIL		324. OTHER		325. REMARKS		326. DATE		327. OFFICE		328. TELEPHONE		329. FAX		330. E-MAIL		331. OTHER		332. REMARKS		333. DATE		334. OFFICE		335. TELEPHONE		336. FAX		337. E-MAIL		338. OTHER		339. REMARKS		340. DATE		341. OFFICE		342. TELEPHONE		343. FAX		344. E-MAIL		345. OTHER		346. REMARKS		347. DATE		348. OFFICE		349. TELEPHONE		350. FAX		351. E-MAIL		352. OTHER		353. REMARKS		354. DATE		355. OFFICE		356. TELEPHONE		357. FAX		358. E-MAIL		359. OTHER		360. REMARKS		361. DATE		362. OFFICE		363. TELEPHONE		364. FAX		365. E-MAIL		366. OTHER		367. REMARKS		368. DATE		369. OFFICE		370. TELEPHONE		371. FAX		372. E-MAIL		373. OTHER		374. REMARKS		375. DATE		376. OFFICE		377. TELEPHONE		378. FAX		379. E-MAIL		380. OTHER		381. REMARKS		382. DATE		383. OFFICE		384. TELEPHONE		385. FAX		386. E-MAIL		387. OTHER		388. REMARKS		389. DATE		390. OFFICE		391. TELEPHONE		392. FAX		393. E-MAIL		394. OTHER		395. REMARKS		396. DATE		397. OFFICE		398. TELEPHONE		399. FAX		400. E-MAIL		401. OTHER		402. REMARKS		403. DATE		404. OFFICE		405. TELEPHONE		406. FAX		407. E-MAIL		408. OTHER		409. REMARKS		410. DATE		411. OFFICE		412. TELEPHONE		413. FAX		414. E-MAIL		415. OTHER		416. REMARKS		417. DATE		418. OFFICE		419. TELEPHONE		420. FAX		421. E-MAIL		422. OTHER		423. REMARKS		424. DATE		425. OFFICE		426. TELEPHONE		427. FAX		428. E-MAIL		429. OTHER		430. REMARKS		431. DATE		432. OFFICE		433. TELEPHONE		434. FAX		435. E-MAIL		436. OTHER		437. REMARKS		438. DATE		439. OFFICE		440. TELEPHONE		441. FAX		442. E-MAIL		443. OTHER		444. REMARKS		445. DATE		446. OFFICE		447. TELEPHONE		448. FAX		449. E-MAIL		450. OTHER		451. REMARKS		452. DATE		453. OFFICE		454. TELEPHONE		455. FAX		456. E-MAIL		457. OTHER		458. REMARKS		459. DATE		460. OFFICE		461. TELEPHONE		462. FAX		463. E-MAIL		464. OTHER		465. REMARKS		466. DATE		467. OFFICE		468. TELEPHONE		469. FAX		470. E-MAIL		471. OTHER		472. REMARKS		473. DATE		474. OFFICE		475. TELEPHONE		476. FAX		477. E-MAIL		478. OTHER		479. REMARKS		480. DATE		481. OFFICE		482. TELEPHONE		483. FAX		484. E-MAIL		485. OTHER		486. REMARKS		487. DATE		488. OFFICE		489. TELEPHONE		490. FAX		491. E-MAIL		492. OTHER		493. REMARKS		494. DATE		495. OFFICE		496. TELEPHONE		497. FAX		498. E-MAIL		499. OTHER		500. REMARKS		501. DATE		502. OFFICE		503. TELEPHONE		504. FAX		505. E-MAIL		506. OTHER		507. REMARKS		508. DATE		509. OFFICE		510. TELEPHONE		511. FAX		512. E-MAIL		513. OTHER		514. REMARKS		515. DATE		516. OFFICE		517. TELEPHONE		518. FAX		519. E-MAIL		520. OTHER		521. REMARKS		522. DATE		523. OFFICE		524. TELEPHONE		525. FAX		526. E-MAIL		527. OTHER		528. REMARKS		529. DATE		530. OFFICE		531. TELEPHONE		532. FAX		533. E-MAIL		534. OTHER		535. REMARKS		536. DATE		537. OFFICE		538. TELEPHONE		539. FAX		540. E-MAIL		541. OTHER		542. REMARKS		543. DATE		544. OFFICE		545. TELEPHONE		546. FAX		547. E-MAIL		548. OTHER		549. REMARKS		550. DATE		551. OFFICE		552. TELEPHONE		553. FAX		554. E-MAIL		555. OTHER		556. REMARKS		557. DATE		558. OFFICE		559. TELEPHONE		560. FAX		561. E-MAIL		562. OTHER		563. REMARKS		564. DATE		565. OFFICE		566. TELEPHONE		567. FAX		568. E-MAIL		569. OTHER		570. REMARKS		571. DATE		572. OFFICE		573. TELEPHONE		574. FAX		575. E-MAIL		576. OTHER		577. REMARKS		578. DATE		579. OFFICE		580. TELEPHONE		581. FAX		582. E-MAIL		583. OTHER		584. REMARKS		585. DATE		586. OFFICE		587. TELEPHONE		588. FAX		589. E-MAIL		590. OTHER		591. REMARKS		592. DATE		593. OFFICE		594. TELEPHONE		595. FAX		596. E-MAIL		597. OTHER		598. REMARKS		599. DATE		600. OFFICE		601. TELEPHONE		602. FAX		603. E-MAIL		604. OTHER		605. REMARKS		606. DATE		607. OFFICE		608. TELEPHONE		609. FAX		610. E-MAIL		611. OTHER		612. REMARKS		613. DATE		614. OFFICE		615. TELEPHONE		616. FAX		617. E-MAIL		618. OTHER		619. REMARKS		620. DATE		621. OFFICE		622. TELEPHONE		623. FAX		624. E-MAIL		625. OTHER		626. REMARKS		627. DATE		628. OFFICE		629. TELEPHONE		630. FAX		631. E-MAIL		632. OTHER		633. REMARKS		634. DATE		635. OFFICE		636. TELEPHONE		637. FAX		638. E-MAIL		639. OTHER		640. REMARKS		641. DATE		642. OFFICE		643. TELEPHONE		644. FAX		645. E-MAIL		646. OTHER		647. REMARKS		648. DATE		649. OFFICE		650. TELEPHONE		651. FAX		652. E-MAIL		653. OTHER		654. REMARKS		655. DATE		656. OFFICE		657. TELEPHONE		658. FAX		659. E-MAIL		660. OTHER		661. REMARKS		662. DATE		663. OFFICE		664. TELEPHONE		665. FAX		666. E-MAIL		667. OTHER		668. REMARKS		669. DATE		670. OFFICE		671. TELEPHONE		672. FAX		673. E-MAIL		674. OTHER		675. REMARKS		676. DATE		677. OFFICE		678. TELEPHONE		679. FAX		680. E-MAIL		681. OTHER		682. REMARKS		683. DATE		684. OFFICE		685. TELEPHONE		686. FAX		687. E-MAIL		688. OTHER		689. REMARKS		690. DATE		691. OFFICE		692. TELEPHONE		693. FAX		694. E-MAIL		695. OTHER		696. REMARKS		697. DATE		698. OFFICE		699. TELEPHONE		700. FAX		701. E-MAIL		702. OTHER		703. REMARKS		704. DATE		705. OFFICE		706. TELEPHONE		707. FAX		708. E-MAIL		709. OTHER		710. REMARKS		711. DATE		712. OFFICE		713. TELEPHONE		714. FAX		715. E-MAIL		716. OTHER		717. REMARKS		718. DATE		719. OFFICE		720. TELEPHONE		721. FAX		722. E-MAIL		723. OTHER		724. REMARKS		725. DATE		726. OFFICE		727. TELEPHONE		728. FAX		729. E-MAIL		730. OTHER		731. REMARKS		732. DATE		733. OFFICE		734. TELEPHONE		735. FAX		736. E-MAIL		737. OTHER		738. REMARKS		739. DATE		740. OFFICE		741. TELEPHONE		742. FAX		743. E-MAIL		744. OTHER		745. REMARKS		746. DATE		747. OFFICE		748. TELEPHONE		749. FAX		750. E-MAIL		751. OTHER		752. REMARKS		753. DATE		754. OFFICE		755. TELEPHONE		756. FAX		757. E-MAIL		758. OTHER		759. REMARKS		760. DATE		761. OFFICE		762. TELEPHONE		763. FAX		764. E-MAIL		765. OTHER		766. REMARKS		767. DATE		768. OFFICE		769. TELEPHONE		770. FAX		771. E-MAIL		772. OTHER		773. REMARKS		774. DATE		775. OFFICE		776. TELEPHONE		777. FAX		778. E-MAIL		779. OTHER		780. REMARKS		781. DATE		782. OFFICE		783. TELEPHONE		784. FAX		785. E-MAIL		786. OTHER		787. REMARKS		788. DATE		789. OFFICE		790. TELEPHONE		791. FAX		792. E-MAIL		793. OTHER		794. REMARKS		795. DATE		796. OFFICE		797. TELEPHONE		798. FAX		799. E-MAIL		800. OTHER		801. REMARKS		802. DATE		803. OFFICE		804. TELEPHONE		805. FAX		806. E-MAIL		807. OTHER		808. REMARKS		809. DATE		810. OFFICE		811. TELEPHONE		812. FAX		813. E-MAIL		814. OTHER		815. REMARKS		816. DATE		817. OFFICE		818. TELEPHONE		819. FAX		820. E-MAIL		821. OTHER		822. REMARKS		823. DATE		824. OFFICE		825. TELEPHONE		826. FAX		827. E-MAIL		828. OTHER		829. REMARKS		830. DATE		831. OFFICE		832. TELEPHONE		833. FAX		834. E-MAIL		835. OTHER		836. REMARKS		837. DATE		838. OFFICE			
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INTERVIEWER INSTRUCTIONS		TRANSCRIPT FOR ITEM 19 (Card)		Name		Address		City		State		Zip		Date		Page	
These columns are to be filled after the interview.		Fill a column for each household member listed in the period (not later than age 18 or older).		Name		Address		City		State		Zip		Date		Page	
C 4.0 Person number		C 4.1 Name		C 4.2 Address		C 4.3 City		C 4.4 State		C 4.5 Zip		C 4.6 Date		C 4.7 Page		C 4.8	
C 4.0 Person number		C 4.1 Name		C 4.2 Address		C 4.3 City		C 4.4 State		C 4.5 Zip		C 4.6 Date		C 4.7 Page		C 4.8	
1		1		1		1		1		1		1		1		1	
2		2		2		2		2		2		2		2		2	
3		3		3		3		3		3		3		3		3	
4		4		4		4		4		4		4		4		4	
5		5		5		5		5		5		5		5		5	
6		6		6		6		6		6		6		6		6	
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10		10		10		10		10		10		10		10		10	
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NAME		DATE		TIME		PLACE		REMARKS		ACTION		STATUS		REMARKS		ACTION		STATUS	
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2	NAME	DATE	TIME	PLACE	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS
3	NAME	DATE	TIME	PLACE	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS
4	NAME	DATE	TIME	PLACE	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS
5	NAME	DATE	TIME	PLACE	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS	REMARKS	ACTION	STATUS

U.S. DEPARTMENT OF COMMERCE
BUREAU OF ECONOMIC ANALYSIS

**SURVEY OF INCOME
AND PROGRAM
PARTICIPATION
1987 PANEL
WAVE 2 QUESTIONNAIRE**

NOTICE - Your report to the Census Bureau is confidential by law (Title 13, U.S. Code). It must be used only by sworn Census employees and may be used only for statistical purposes.

P O S T O F F I C E	1. Book of _____	2. loc 17 A.D. code	3a. loc 21 PSU Segment Serial Sample digit	Check b. loc 31 Add. ID
	6 of _____			0:71

4. loc 17
a. Entry Add. ID _____

b. PERSON
Number (loc 18) _____

5. PERSON CHARACTERISTICS - Fill a, b, c, and d using the control card

a. Relationship code (loc 19b) _____

b. Date of birth (loc 24)
Month Day Year

c. Sex code (loc 28) _____

d. Marital status code (loc 26a) _____

6. Interviewer identification
Code Name

7. PERSON INTERVIEW STATUS

a. Interview
1 ☐ Self
2 ☐ Proxy (Enter person number) _____ } SKIP to 8

b. Noninterview
1 ☐ Type Z refusal 2 ☐ Type Z other

8. Date of interview for this person
Month Day Fill start time in 9a. then go to Introduction

9a. Interview time for this person

	Initial visit	Callback visit
Start time	a.m. p.m.	a.m. p.m.
Finish time	a.m. p.m.	a.m. p.m.

b. Total interview time for this person _____ Minutes

10a. Interviewer edit time

Start time _____ a.m. p.m.

Finish time _____ a.m. p.m.

b. Total interviewer edit time _____ Minutes

11a. Pre-interview transcription time

Start time _____ a.m. p.m.

Finish time _____ a.m. p.m.

b. Total pre-interview time for transcription _____ Minutes

12. ☐ Phone interview - Specify reason _____

CHECK ITEM N1 Does ...'s person number begin with a "2"?
09071 1 ☐ Yes
09092 2 ☐ No - SKIP to Section I, item 1, page 2

CHECK ITEM N2 Was ... missed when household members were listed for Wave 1?
09091 1 ☐ Yes - Change person number in item 4b to a "100" level person number. Correct person number in cc items 18 and 31a and enter code "24" in cc item 23 for the missed person. SKIP to Section I, item 1, page 2.
2 ☐ No

13a. On March 31, 1987, was ... living in any of the kinds of places listed on this card? (Show Flashcard P)

0914 1 ☐ Yes 2 ☐ No - SKIP to Section I, item 1, page 2

13b. Which code on this card represents the kind of place ... was living in on March 31, 1987?
0918 1 ☐ Armed Forces barracks 2 ☐ Nonhousehold setting
3 ☐ Outside the United States

NOTES

INTRODUCTION

INTERVIEWER INSTRUCTIONS - Read introduction once to each respondent. Do not repeat to another respondent who was in the room when you earlier read the introduction.

(As I described during my last visit.) This survey is about the economic situation of people living in the United States. Most of the questions will be about ...'s activities during ... and ...

Here is a calendar that shows the 4 months we will be talking about. (Hand respondent Flashcard J.) This time period is very important, so if you have any questions about what period is being referred to during the interview, please ask me.

We need the most accurate and complete information possible. Please think carefully about each question, search your memory and take your time in answering. For some of the questions it will help to look up the answers by checking whatever records are available to you here. GO TO CHECK ITEM N1.

Section 1 — LABOR FORCE AND RECIPIENCY

SHOW FLASHCARD J1

- 1. During the 4-month period outlined on this calendar, that is, from 14 months ago thru (last month), did ... have a job or business, either full time or part time, even for only a few days?**

Mark "Yes" for active duty in the Armed Forces, any temporary or part-time work, and work without pay in a family business or farm.

1001

1000

- ☐ Yes — Mark "Worked" (code 1) on ISS and SKIP to 4
☐ No

- 2a. Even though ... did not have a job during this period, did ... spend any time looking for work or on layoff from a job?**

1002

- ☐ Yes
☐ No — SKIP to 3a

- b. Please look at the calendar. In which weeks was ... looking for work or on layoff from a job? Please answer by giving the week number that appears to the right of each week on the calendar.**

1004

ALL

Mark (X) all that apply.

1006

1

1008

2

1010

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1012

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1014

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1016

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1018

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1020

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1022

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1024

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1026

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1028

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1030

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1032

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1034

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1036

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1038

17

1040

18

- c. Could ... have taken a job during any of those weeks if one had been offered?**

1042

- ☐ Yes — SKIP to 3a
☐ No

- d. What was the main reason ... could not take a job during those weeks?**

1044

Mark (X) only one.

- ☐ Already had a job
☐ Temporary illness
☐ School
☐ Other — Specify

- 3a. Even though ... did not have a job during this period, did ... do any work at all that earned some money?**

1046

- ☐ Yes — Mark "YES" on ISS
☐ No — SKIP to Check Item H2

- b. In which of the months shown on this calendar did ... do that work?**

1048

- ☐ Last month
☐ 2 months ago
☐ 3 months ago
☐ 4 months ago

CHECK ITEM H2

Refer to item 2a above.

Did ... spend any time looking for work or on layoff from a job?

1050

- ☐ Yes — SKIP to 6a, page 4
☐ No — SKIP to Check Item H2, page 4

- 4. Did ... have a job or business, either full or part time, during EACH of the weeks in this period? Note that the person did not have to work each week.**

1052

- ☐ Yes
☐ No — SKIP to 6a

- 5a. Was ... absent without pay from ...'s job or business for any FULL weeks during the 4-month period?**

1054

- ☐ Yes
☐ No — SKIP to 6a, page 4

- b. Please look at the calendar. In which weeks was ... absent without pay? Please answer by giving the week number that appears to the right of each week on the calendar.**

1056

ALL

Mark (X) all that apply.

1058

1

1060

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1062

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1064

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1066

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1068

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1074

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1080

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1086

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1092

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1094

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1096

18

- c. What was the main reason ... was absent from ...'s job or business during those weeks?**

1098

Mark (X) only one.

- ☐ On layoff
☐ Own illness
☐ On vacation
☐ Bad weather
☐ Labor dispute
☐ New job to begin within 30 days
☐ Other — Specify

SKIP to 6a, page 4

NOTES

Section 1 — LABOR FORCE AND RECIPIENCY (Continued)

SHOW FLASHCARD J.

6a. Please look at the calendar. In which weeks did ... have a job or business? Please answer by giving the week number that appears to the right of each week on the calendar.

Mark (X) all that apply.

1100	1	1112	7	1124	13
1102	2	1114	8	1126	14
1104	3	1116	9	1128	15
1106	4	1118	10	1130	16
1108	5	1120	11	1132	17
1110	6	1122	12	1134	18

b. Of those weeks that ... had a job or business, was ... absent from work for any full weeks without pay?

- 1138 1 ☐ Yes
2 ☐ No — SKIP to 7c

c. In which weeks was ... absent without pay? Please answer by giving the week number that appears to the right of each week on the calendar.

Mark (X) all that apply.

1158	1	1160	7	1162	13
1160	2	1162	8	1164	14
1162	3	1164	9	1166	15
1164	4	1166	10	1168	16
1166	5	1168	11	1170	17
1168	6	1170	12	1172	18

d. What was the main reason ... was absent from ...'s job or business during those weeks?

Mark (X) only one.

- 1174 1 ☐ On layoff
2 ☐ Own illness
3 ☐ On vacation
4 ☐ Bad weather
5 ☐ Labor dispute
6 ☐ New job to begin within 30 days
7 ☐ Other — Specify _____

7a. I have marked that there were some weeks in this period in which ... did NOT have a job or business. During that week or weeks did ... spend any time looking for work or on layoff?

- 1176 1 ☐ Yes
2 ☐ No — SKIP to 7c

b. In which of these weeks was ... looking for work or on layoff from a job? Please answer by giving the week number that appears to the right of each week on the calendar.

Mark (X) all that apply.

1180	1	1192	7	1204	13
1182	2	1194	8	1206	14
1184	3	1196	9	1208	15
1186	4	1198	10	1210	16
1188	5	1200	11	1212	17
1190	6	1202	12	1214	18

c. Could ... have taken a job during those weeks if one had been offered?

- 1218 1 ☐ Yes — SKIP to 7e
2 ☐ No

d. What was the main reason ... could not take a job during those weeks?

Mark (X) only one.

- 1218 1 ☐ Already had a job
2 ☐ Temporary illness
3 ☐ School
4 ☐ Other — Specify _____

e. During the weeks that ... did not have a job, did ... do any work at all that earned some money?

- 1220 1 ☐ Yes — Mark "SE" on ISS
2 ☐ No — SKIP to 8a, page 4

f. In which of the months shown on this calendar did ... do that work?

Mark (X) all that apply.

- 1222 1 ☐ Last month
1224 2 ☐ 2 months ago
1226 3 ☐ 3 months ago
1228 4 ☐ 4 months ago

NOTES

Section 1 — LABOR FORCE AND RECIPIENCY (Continued)

8a. In the weeks that ... worked during the 4-month period, how many hours did ... usually work per week? **1230** _____ Hours per week
 1 ☐ None } SKIP to Check Item R4
 2 ☐ DK }

CHECK ITEM R3 Refer to item 8a. Did ... usually work 35 or more hours per week? **1231** 1 ☐ Yes
 2 ☐ No — SKIP to 8c

8b. Did ... work fewer than 35 hours in any of the weeks that ... worked during this period? Exclude time off WITH PAY because of holidays, vacation, days off or sickness. **1232** 1 ☐ Yes
 2 ☐ No — SKIP to Check item R4

c. How many weeks did ... work fewer than 35 hours in the months of (Read each month)? **1233** 1 ☐ All
1234 2 ☐ Weeks Last month
1235 3 ☐ Weeks 2 months ago
1236 4 ☐ Weeks 3 months ago
1237 5 ☐ Weeks 4 months ago

d. What was the main reason ... worked fewer than 35 hours in those weeks? **1238** 1 ☐ Could not find a full-time job
 2 ☐ Wanted to work part time
 3 ☐ Health condition or disability
 4 ☐ Normal working hours are fewer than 35 hours
 5 ☐ Slack work or material shortage
 6 ☐ Other — Specify _____
 Mark (X) only one.

CHECK ITEM R4 Refer to item 5a, page 2. The response to item 5a is: **1239** 1 ☐ Yes (or blank)
 2 ☐ No — SKIP to Check item R5

8a. During this 4-month period, did ... receive any State unemployment compensation payments? **1240** 1 ☐ Yes — Mark "5" on ISS
 2 ☐ No — SKIP to Check item R5

b. During this period, did ... also receive any Supplemental Unemployment Benefits (SUB)? **1241** 1 ☐ Yes — Mark "6" on ISS
 2 ☐ No

CHECK ITEM R5 Is "Worked" (code 170) marked on the ISS? **1242** 1 ☐ Yes
 2 ☐ No — SKIP to Check item R6

10. During this 4-month period did ... receive any money from worker's compensation for any kind of job-related illness or injury? **1243** 1 ☐ Yes — Mark "10" on ISS
 2 ☐ No

CHECK ITEM R6 Was an interview obtained for ... last reference period (see item 44-47)? **1244** 1 ☐ Yes
 2 ☐ No — SKIP to Check item R11, page 6

CHECK ITEM R7 Are any income types listed in the Income Roster (Item 11b)? **1250** 1 ☐ Yes
 2 ☐ No — SKIP to 12a

NOTES:

Section 1 — LABOR FORCE AND RECIPIENCY (Continued)

11a. According to the information we obtained last time, ... had received (Read income types in 11b, column (2)) during 16 months ago through 16 months ago. Was this information recorded correctly?

1251 1 ☐ Yes
2 ☐ No — Resolve problems and make appropriate entries in 11b, column (2)

Ask 11c

b. INCOME ROSTER (ISS CODES 1 — 56)

Line No.	Income type	ISS Code	Did reference period	Should not have been listed	Was not listed
1	1252	1253	1 <input type="checkbox"/> Yes — Mark ISS 1254 2 <input type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>
2	1256	1257	1 <input type="checkbox"/> Yes — Mark ISS 1258 2 <input type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>
3	1260	1261	1 <input type="checkbox"/> Yes — Mark ISS 1262 2 <input type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>
4	1264	1265	1 <input type="checkbox"/> Yes — Mark ISS 1266 2 <input type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>
5	1268	1269	1 <input type="checkbox"/> Yes — Mark ISS 1270 2 <input type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>
6	1272	1273	1 <input type="checkbox"/> Yes — Mark ISS 1274 2 <input type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>
7	1278	1279	1 <input type="checkbox"/> Yes — Mark ISS 1280 2 <input type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>
8	1280	1281	1 <input type="checkbox"/> Yes — Mark ISS 1282 2 <input type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>

c. At any time during the past 4 months, that is ... did ... get income from (Read income types in 11b, column (2))?

MARK (X) APPROPRIATE BOX IN ITEM 11b, COLUMN (4), FOR EACH INCOME TYPE LISTED.

12a. At any time during this 4-month period, did ... get any income from the Federal Government (that we haven't talked about)?

1284 1 ☐ Yes
2 ☐ No — SKIP to 13a

b. What was it called?
Anything else?
Mark (X) all that apply.

- 1286 1 ☐ Social Security — Mark "1" on ISS
1288 2 ☐ Federal Supplemental Security Income (Federal SSI) — Mark "3" on ISS
1290 3 ☐ A serviceman's or widow's pension from the Veterans Administration (VA) — Mark "8" on ISS
1292 4 ☐ Anything else — Mark appropriate code on ISS and specify

13a. At any time during this 4-month period, did ... receive any (other) pension, disability, retirement, or survivor income (that we haven't talked about)?

1296 1 ☐ Yes
2 ☐ No — SKIP to Check Item B8

b. What was the source of this income?
Anything else?
Mark (X) all that apply.

- 1298 1 ☐ U.S. Government Railroad Retirement — Mark "2" on ISS
1300 2 ☐ Black Lung payments — Mark "9" on ISS
1302 3 ☐ Worker's Compensation — Mark "10" on ISS
1304 4 ☐ Payments from a sickness, accident or disability insurance policy purchased on your own — Mark "13" on ISS
1306 5 ☐ Pension from company or union — Mark "30" on ISS
1308 6 ☐ Federal Civil Service or other Federal civilian employee pension — Mark "31" on ISS
1310 7 ☐ U.S. Military retirement pay (exclude payments from the Veterans Administration) — Mark "32" on ISS
1312 8 ☐ National Guard or Reserve Forces retirement — Mark "33" on ISS
1314 9 ☐ State government pension — Mark "34" on ISS
1316 10 ☐ Local government pension — Mark "35" on ISS
1318 11 ☐ Income from paid-up life insurance policies or annuities — Mark "36" on ISS
1320 12 ☐ Other or DK — Specify and enter code from income source list. If income type is not listed or DK, enter code "38" — Mark ISS.

1322 1 ☐ Is "Medicare" (code 172) marked for ... on item 47?

1324 1 ☐ Yes — Mark "172" on ISS and SKIP to Check Item A23, page B
2 ☐ No

Section 1 — LABOR FORCE AND RECIPIENCY (Continued)

CHECK ITEM R9	Is "Disabled" (code 171) marked for ... on cc item 47?	1338	1 <input type="checkbox"/> Yes — Mark "171" on ISS and SKIP to 23a, page 6 2 <input type="checkbox"/> No
CHECK ITEM R10	Is ... 65 years of age or over?	1338	1 <input type="checkbox"/> Yes — SKIP to 23a, page 6 2 <input type="checkbox"/> No — SKIP to Check item R23, page 6
CHECK ITEM R11	Refer to cc items 32a and 32c. Is ... a veteran of the U.S. Armed Forces? (Mark "No" if currently in Armed Forces.)	1339	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to Check item R12
14a. How long did ... serve on active duty in the Armed Forces?		1332	1 <input type="checkbox"/> Less than 6 months 2 <input type="checkbox"/> 6 to 23 months 3 <input type="checkbox"/> 2 to 19 years 4 <input type="checkbox"/> 20 or more years x1 <input type="checkbox"/> DK
b. Does ... have a service connected disability that is a health condition or impairment caused or made worse by military service?		1334	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK } SKIP to 14d
c. What is ...'s VA percent disability rating? Use the following space if needed: (Such as 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100%)		1336	<input type="text"/> Percent x3 <input type="checkbox"/> 0 % x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref. 10 <input type="checkbox"/> No rating
d. During this 4-month period did ... receive pension or compensation payments from the Veterans Administration? (Exclude regular military retirement pay, insurance proceeds, and GI Bill benefits.)		1335	1 <input type="checkbox"/> Yes — Mark "2" on ISS 2 <input type="checkbox"/> No
CHECK ITEM R12	Is ... 18 years of age or over?	1340	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 12a
15a. During this 4-month period, did ... receive any Social Security payments?		1342	1 <input type="checkbox"/> Yes — Mark "1" on ISS 2 <input type="checkbox"/> No — SKIP to Check item R14
CHECK ITEM R13	Is ... 65 years of age or over?	1344	1 <input type="checkbox"/> Yes — SKIP to 16a 2 <input type="checkbox"/> No
15b. What is the reason ... is getting Social Security, if it because ... is (Read categories — Mark (X) only one.)		1345	1 <input type="checkbox"/> Retired? 2 <input type="checkbox"/> Disabled? 3 <input type="checkbox"/> Widowed or surviving child? 4 <input type="checkbox"/> Spouse or dependent child? 5 <input type="checkbox"/> Some other reason x1 <input type="checkbox"/> DK } SKIP to 16a
c. Sometimes people get Social Security for more than one reason. Is there another reason ... receives Social Security?		1348	1 <input type="checkbox"/> Retired 2 <input type="checkbox"/> Disabled 3 <input type="checkbox"/> Widowed or surviving child 4 <input type="checkbox"/> Spouse or dependent child 5 <input type="checkbox"/> No other reason x1 <input type="checkbox"/> DK } SKIP to 16a
CHECK ITEM R14	Refer to content 27. Is ... the designated parent or guardian of children under 18 who live in this household?	1350	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 16a
15d. During the 4-month period did ... receive any Social Security payments especially for ...'s children under 18?		1352	1 <input type="checkbox"/> Yes — Mark "1" on ISS 2 <input type="checkbox"/> No
16a. During this 4-month period did ... receive any SSI (Supplemental Security Income) payments from the U.S. Government?		1354	1 <input type="checkbox"/> Yes — Mark "3" on ISS 2 <input type="checkbox"/> No — SKIP to Check item R15
b. Did ... also receive a SEPARATE SSI payment from the State or local welfare office during these months?		1356	1 <input type="checkbox"/> Yes — Mark "4" on ISS 2 <input type="checkbox"/> No
CHECK ITEM R15	Is ... 40 years of age or over?	1358	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 16a
17a. Has ... ever retired from a job or business? (Include retirement from the military.)		1360	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to Check item R16
b. During the 4-month period did ... receive any retirement income other than Social Security?		1362	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 17d

Section 1 — LABOR FORCE AND RECIPIENCY (Continued)

17c. What kind of retirement income?

Anything else?

Mark (X) all that apply.

- 1364 ☐ U.S. Government Railroad Retirement — Mark "2" on ISS
- 1365 ☐ Pension from company or Union — Mark "20" on ISS
- 1366 ☐ Federal Civil Service or other Federal civilian employee pension — Mark "31" on ISS
- 1370 ☐ U.S. Military retirement pay (exclude payments from the Veterans Administration) — Mark "32" on ISS
- 1372 ☐ National Guard or Reserve Forces retirement — Mark "33" on ISS
- 1374 ☐ State government pension — Mark "34" on ISS
- 1376 ☐ Local government pension — Mark "35" on ISS
- 1378 ☐ Other or DK — Specify and enter code from income source list. If income type not listed or "DK," enter code "38" — Mark ISS.
- 1380 ☐

d. During this 4-month period, did ... receive any regular income from a paid-up life insurance policy or any other annuities?

- 1382 ☐ Yes — Mark "36" on ISS
- 2 ☐ No

CHECK ITEM R16

Is ... 70 years of age or over?

- 1384 ☐ Yes — SKIP to Check item R17
- 2 ☐ No

18a. Does ... have a physical, mental, or other health condition which limits the kind or amount of work ... can do?

- 1386 ☐ Yes — Mark "171" on ISS
- 2 ☐ No — SKIP to Check item R17

b. During this 4-month period, did ... receive any income because of ...'s health condition or disability? (Other than Social Security, SSI, or VA?)

- 1388 ☐ Yes
- 2 ☐ No
- X1 ☐ DK } SKIP to Check item R17

c. What kind of income?

Anything else?

Mark (X) all that apply.

- 1390 ☐ U.S. Government Railroad Retirement — Mark "2" on ISS
- 1392 ☐ Black Lung payments — Mark "9" on ISS
- 1394 ☐ Worker's Compensation — Mark "10" on ISS
- 1396 ☐ Payments from a sickness, accident or disability insurance policy purchased on your own — Mark "13" on ISS
- 1398 ☐ Pension from company or union — Mark "30" on ISS
- 1400 ☐ Federal Civil Service or other Federal civilian employee pension — Mark "31" on ISS
- 1402 ☐ U.S. Military retirement pay (exclude payments from the Veterans Administration) — Mark "32" on ISS
- 1404 ☐ State government pension — Mark "34" on ISS
- 1406 ☐ Local government pension — Mark "35" on ISS
- 1410 ☐ Other or OK — Specify and enter code from income source list. If income type not listed or "DK," enter code "38" — Mark ISS.
- 1412 ☐

CHECK ITEM R17

Refer to item 26a.

What is ...'s marital status?

- 1414 ☐ Married — SKIP to 20
- 2 ☐ Widowed — SKIP to 22a
- 3 ☐ Divorced
- 4 ☐ Separated
- 5 ☐ Never married — SKIP to Check item R18

19. Did ... receive any alimony (or support payments other than child support) during the 4-month period?

- 1416 ☐ Yes — Mark "29" on ISS and SKIP to Check item R18
- 2 ☐ No
- X1 ☐ DK } SKIP to Check item R18
- X2 ☐ Ref.

20. (People who have been widowed or divorced sometimes receive income because of their former marriage.) Has ... ever been widowed or divorced?

- 1418 ☐ Widowed — SKIP to 22a
- 2 ☐ Divorced
- 3 ☐ Both widowed and divorced
- 4 ☐ No — SKIP to Check item R21

CHECK ITEM R18

Refer to item 27.

Is ... the designated parent or guardian of children under 18 who live in this household?

- 1420 ☐ Yes
- 2 ☐ No — SKIP to Check item R19

21. Did ... receive any child support payments during this 4-month period? (Include "pass through" child support payments paid through the welfare office. Exclude all other child support payments from the welfare office.)

- 1422 ☐ Yes — Mark "28" on ISS
- 2 ☐ No
- X1 ☐ DK
- X2 ☐ Ref.

Section 1 — LABOR FORCE AND RECEIPIENCY (Continued)			
CHECK ITEM R19	Is "Both widowed and divorced" (box 3) marked in item 20, page 1?	1424	<input type="checkbox"/> Yes <input type="checkbox"/> No — <i>SKIP to Check item R21</i>
22a.	During this 4-month period, did ... receive any pensions or annuities as a widower (other than Social Security)?	1428	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK — <i>SKIP to Check item R21</i>
	b. What kind of income was this? Was there anything else? (SHOW FLASHCARD K) Mark (X) all that apply.	1428	<input type="checkbox"/> U.S. Government Railroad Retirement — Mark "2" on ISS <input type="checkbox"/> Veterans Compensation or pension — Mark "9" on ISS <input type="checkbox"/> Black Lung payments — Mark "9" on ISS <input type="checkbox"/> Pension from company or union — Mark "30" on ISS <input type="checkbox"/> Federal Civil Service or other Federal civilian employee pension — Mark "31" on ISS <input type="checkbox"/> U.S. Military retirement pay (exclude payments from the Veterans Administration) — Mark "32" on ISS <input type="checkbox"/> National Guard or Reserve Forces retirement — Mark "33" on ISS <input type="checkbox"/> State government pension — Mark "34" on ISS <input type="checkbox"/> Local government pension — Mark "35" on ISS <input type="checkbox"/> Income from paid-up life insurance policies or annuities — Mark "36" on ISS <input type="checkbox"/> Payments from estate or trust — Mark "37" on ISS <input type="checkbox"/> Other or DK — Specify and enter code from income source list, if income type not listed or "DK," enter code "38" — Mark ISS
CHECK ITEM R20	Is "Veterans Compensation or pension" (box 2) marked in item 22b?	1454	<input type="checkbox"/> Yes <input type="checkbox"/> No — <i>SKIP to Check item R21</i>
22c.	Did ...'s late spouse die while in the service or from a service-related injury?	1458	<input type="checkbox"/> Yes, in the service <input type="checkbox"/> Yes, from service-related injury <input type="checkbox"/> No
CHECK ITEM R21	Is ... 65 years of age or over?	1488	<input type="checkbox"/> Yes — <i>SKIP to 23a</i> <input type="checkbox"/> No
CHECK ITEM R22	Refer to item 18a, page 1. Does ... have a work disability?	1490	<input type="checkbox"/> Yes <input type="checkbox"/> No — <i>SKIP to Check item R23</i>
23a.	Medicare is a health insurance program for disabled persons and persons 65 or over. People covered by Medicare have a card that looks like this (SHOW FLASHCARD L). Was ... covered by Medicare?	1462	<input type="checkbox"/> Yes — Mark "172" on ISS <input type="checkbox"/> No <input type="checkbox"/> DK — <i>SKIP to Check item R23</i>
	b. May I see ...'s Medicare card to record the claim number and type of coverage?	1484	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">1485</div> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">1486</div> <div style="border: 1px solid black; padding: 2px;">1487</div> </div> <div style="margin-top: 10px;"> <p style="text-align: center;">★</p> <p style="text-align: center;">TYPE OF COVERAGE</p> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <input type="checkbox"/> Hospital only (Type A) <input type="checkbox"/> Medical only (Type B) <input type="checkbox"/> Both hospital and medical (Types A and B) <input type="checkbox"/> Card not available — ASK 23c </div> <div> <i>SKIP to Check Item R23</i> </div> </div> </div>
	c. If I were to call later would you be able to provide me with ...'s Medicare number? (This information is especially important for the purposes of this survey.)	1470	<input type="checkbox"/> Yes — Mark Callback Summary and Reminder Card, item 2 <input type="checkbox"/> No
	d. Medicare has an optional feature which costs extra and helps pay for doctor bills. Does ...'s Medicare help pay for doctor bills?	1472	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK
CHECK ITEM R23	Refer to item 27. Is ... the designated parent or guardian of children under 18 who live in the household?	1474	<input type="checkbox"/> Yes — <i>SKIP to Check item R25</i> <input type="checkbox"/> No
CHECK ITEM R24	Is ... 18 years of age or over?	1476	<input type="checkbox"/> Yes <input type="checkbox"/> No — <i>SKIP to 27a</i>
CHECK ITEM R25	Is ISS code "27" (Food stamps) listed in the Income Roster item 11b, page 5?	1478	<input type="checkbox"/> Yes — <i>SKIP to Check item R26</i> <input type="checkbox"/> No
24.	Was ... authorized to receive food stamps at any time during the 4-month period? (An authorized person is one whose name appears on a certification card.)	1480	<input type="checkbox"/> Yes — Mark "27" on ISS <input type="checkbox"/> No

Section 1 — LABOR FORCE AND RECEIPIENCY (Continued)

CHECK ITEM R26	Interview status of ... spouse.	1482	<input type="checkbox"/> No spouse in household <input type="checkbox"/> Interview for spouse not yet conducted <input type="checkbox"/> Interview for spouse already conducted — SKIP to Check Item R27												
25a.	(Other than what we have already mentioned) During the 4-month period, did ... receive any (other) welfare (such as AFDC, WIC, or General Assistance) (for ... or ...'s children)? (Exclude energy assistance.)	1484	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Check Item R27												
b.	What kind of welfare did ... receive? Anything else? Mark (X) all that apply.	1485 1483 1492 1494 1495 1493	<input type="checkbox"/> AFDC — Mark "20" on ISS <input type="checkbox"/> General Assistance or General Relief — Mark "21" on ISS <input type="checkbox"/> Indian, Cuban or Refugee Assistance — Mark "22" on ISS <input type="checkbox"/> Foster Child Care — Mark "23" on ISS <input type="checkbox"/> WIC — Mark "25" on ISS <input type="checkbox"/> Other or OK — Specify and enter code from income source list. If income type not listed or "OK", enter code "24" — Mark ISS												
CHECK ITEM R27	Is "Medicaid" (code 173) marked for ... on cc item 47?	1500	<input type="checkbox"/> Yes — SKIP to 26b <input type="checkbox"/> No												
28a.	(Refer to FLASHCARD M for Medicaid name.) During the 4-month period was ... covered by "Use local name for Medicaid, or another public assistance program that pays for medical care?"	1502	<input type="checkbox"/> Yes — Mark "173" on ISS } SKIP to Check item R28 <input type="checkbox"/> No												
b.	(Refer to FLASHCARD M for Medicaid name.) According to our last visit ... was covered by (Use local name for Medicaid). Was ... covered by it at any time during the 4-month period?	1504	<input type="checkbox"/> Yes — Mark "173" on ISS <input type="checkbox"/> No												
CHECK ITEM R28	Refer to cc item 27. Is ... the designated parent or guardian of children under 18 who live in this household?	1506	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Check Item R29												
26c.	Were any of ...'s children (under 18) covered by (Use local name for Medicaid)?	1508	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Check Item R29												
d.	Which children were covered?	1510	<input checked="" type="checkbox"/> All children OR <table border="1"> <thead> <tr> <th>Person No.</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>1512</td> <td></td> </tr> <tr> <td>1514</td> <td></td> </tr> <tr> <td>1516</td> <td></td> </tr> <tr> <td>1518</td> <td></td> </tr> <tr> <td>1520</td> <td></td> </tr> </tbody> </table>	Person No.	Name	1512		1514		1516		1518		1520	
Person No.	Name														
1512															
1514															
1516															
1518															
1520															
CHECK ITEM R29	Was ... or any of ...'s children (under 18) covered by Medicaid?	1524	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 27a												
26e.	Was (... /and) ...'s children) covered during the entire 4-month period?	1526	<input type="checkbox"/> Yes — SKIP to 27a <input type="checkbox"/> No												
f.	In which months was (... /and) ...'s children) covered? Mark (X) all that apply.	1528 1530 1532 1534	<input type="checkbox"/> Last month <input type="checkbox"/> 2 months ago <input type="checkbox"/> 3 months ago <input type="checkbox"/> 4 months ago												
NOTES															

Section 1 - LABOR FORCE AND RECIPIENCY (Continued)

27a. During the 4-month period, did ... have group or individual health insurance in ...'s own name? (Exclude Medicaid, Medicare, CHAMPUS, CHAMPVA and plans paying benefits only for accidents or specific diseases.) ASK OR VERIFY -	1538	<input type="checkbox"/> Yes - SKIP to 27c <input type="checkbox"/> No
b. Was ... covered by a health insurance plan in somebody else's name?	1537	<input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to Check Item P30
c. Did ... have a plan in ...'s own name during the entire 4-month period?	1538	<input type="checkbox"/> Yes - SKIP to 27c <input type="checkbox"/> No
d. In which months did ... have a plan? Mark (X) all that apply.	1540 1542 1544 1546	<input type="checkbox"/> Last month <input type="checkbox"/> 2 months ago <input type="checkbox"/> 3 months ago <input type="checkbox"/> 4 months ago
e. Was ...'s plan provided through an employer or union (or through a former employer or a pension plan)?	1548	<input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 27g
f. Did the employer or union (former employer or pension plan) pay for all, part, or none of the cost of this plan?	1550	<input type="checkbox"/> All <input type="checkbox"/> Part <input type="checkbox"/> None
g. Was this an individual plan or a family plan?	1552	<input type="checkbox"/> Individual - SKIP to Check Item R30 <input type="checkbox"/> Family
h. Did ...'s health plan cover all the persons living here?	1554	<input type="checkbox"/> Yes - SKIP to Check Item H32 <input type="checkbox"/> No
i. Other than ..., which persons in this household were covered by ...'s plan?	1556 1558 1560 1562 1564 1566	Person No Name x3 <input type="checkbox"/> None
CHECK ITEM R30 Refer to cc Item 27. Is ... the designated parent or guardian of children under 18 who live in this household?	1568	<input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to Check Item P32
CHECK ITEM R11 Have each of these children already been identified as members of a family health insurance plan?	1570	<input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 27k
27j. I have recorded that all of ...'s children were covered by a health insurance plan - is that correct?	1572	<input type="checkbox"/> Yes - SKIP to Check Item R32 <input type="checkbox"/> No
k. Were any of (Which of) ...'s children (were) covered by a health insurance plan? (Exclude Medicaid, Medicare, CHAMPUS, CHAMPVA and plans paying benefits only for accidents or specific diseases.)	1574 1576 1578 1580 1582 1584 1586	x3 <input type="checkbox"/> All children OR Person No Name x3 <input type="checkbox"/> None
CHECK ITEM R32 Are any assets listed in the Asset Roster Item 28b1?	1588	<input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 29a

Section 1 — LABOR FORCE AND RECEIPIENCY (Continued)

28a. According to the information we obtained last time, ... had (Read asset types in 28b, column (2)) during (8 months ago through 15 months ago). Was this information recorded correctly?

15883

- 1 ☐ Yes
2 ☐ No — Resolve problems and make appropriate entries in 28b, column (5)

ASK
PAC

b. ASSET ROSTER (ISS CODES 100—150 174)

1	2	3	4	5	6
Asset type	Asset code	Has reference period	Should not have been listed	Was not listed	Should have been listed
1	1592	1592	1 <input type="checkbox"/> Yes — Mark ISS 1593 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1597 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1601 2 <input type="checkbox"/> No
2	1594	1594	1 <input type="checkbox"/> Yes — Mark ISS 1605 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1609 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1613 2 <input type="checkbox"/> No
3	1598	1598	1 <input type="checkbox"/> Yes — Mark ISS 1617 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1621 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1625 2 <input type="checkbox"/> No
4	1602	1602	1 <input type="checkbox"/> Yes — Mark ISS 1629 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1633 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1637 2 <input type="checkbox"/> No
5	1606	1606	1 <input type="checkbox"/> Yes — Mark ISS 1641 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1645 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1649 2 <input type="checkbox"/> No
6	1610	1610	1 <input type="checkbox"/> Yes — Mark ISS 1653 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1657 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1661 2 <input type="checkbox"/> No
7	1614	1614	1 <input type="checkbox"/> Yes — Mark ISS 1665 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1669 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1673 2 <input type="checkbox"/> No
8	1618	1618	1 <input type="checkbox"/> Yes — Mark ISS 1677 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1681 2 <input type="checkbox"/> No	1 <input type="checkbox"/> Yes — Mark ISS 1685 2 <input type="checkbox"/> No

c. At any time during the past 4 months, that is, ... did ... still own (have) (Read assets in 28b, column (2))?

MARK (X) APPROPRIATE BOX IN ITEM 28b, COLUMN (4) FOR EACH ASSET TYPE LISTED.

29a. (In addition to the assets we have already mentioned) At any time during the 4-month period did ... have any (other) kinds of assets which were interest or being in money, such as the ones shown on this card? (SHOW FLASHCARD N.)

1622

- 1 ☐ Yes
2 ☐ No
3 ☐ OK
4 ☐ Ref.

SK (P to 30a)

b. Which kinds of these assets did ... own?
Any others?
(Exclude IRA and Keogh accounts)

1623

- 1 ☐ Regular or passbook savings accounts — Mark "100" on ISS
2 ☐ Money market deposit accounts — Mark "101" on ISS
3 ☐ Certificates of deposit or other savings certificates — Mark "102" on ISS
4 ☐ Interest-earning checking accounts (such as NOW or Super NOW accounts) — Mark "103" on ISS
5 ☐ Money market funds — Mark "104" on ISS
6 ☐ U. S. Government securities — Mark "105" on ISS
7 ☐ Municipal or corporate bonds — Mark "106" on ISS
8 ☐ Mortgages — Mark "107" on ISS
9 ☐ U. S. Savings Bonds (E, EE) — Mark "108" on ISS
10 ☐ Other interest-earning assets — Mark "109" on ISS and specify

1624

- 1 ☐ Stocks or mutual fund shares — Mark "110" on ISS
2 ☐ Rental property — Mark "111" on ISS
3 ☐ Royalties — Mark "112" on ISS
4 ☐ Other financial investments — Mark "113" on ISS and specify

NOTES

Section 1 - LABOR FORCE AND RECEIPIENCY (Continued)

30a. Was ... enrolled in school, either full-time or part-time during any of the past 4 months? (Include any regular school, such as elementary, high school, or college, or any vocational, technical, or business school.)	1656 <input type="checkbox"/> Yes, full-time <input type="checkbox"/> Yes, part-time <input type="checkbox"/> No - SKIP to Check Item R33
b. During which months was ... enrolled? Mark (X) all that apply.	1658 <input type="checkbox"/> All months 1660 <input type="checkbox"/> Last month 1662 <input type="checkbox"/> 2 months ago 1664 <input type="checkbox"/> 3 months ago 1666 <input type="checkbox"/> 4 months ago
c. At what level or grade was ... enrolled? (If enrolled at more than one level during this period, check most recent level.)	1668 <input type="checkbox"/> Elementary grades 1-8 } SKIP to Check Item R33 <input type="checkbox"/> High school grades 9-12 <input type="checkbox"/> College year 1 <input type="checkbox"/> College year 2 <input type="checkbox"/> College year 3 <input type="checkbox"/> College year 4 <input type="checkbox"/> College year 5 <input type="checkbox"/> College year 6 <input type="checkbox"/> Vocational school <input type="checkbox"/> Technical school <input type="checkbox"/> Business school
31a. Were any of ...'s educational expenses during the last 4 months paid for by the GI Bill, a PELL (SEOG) Grant, a Guaranteed or National Direct Student Loan, any type of scholarship, grant, or other educational assistance?	1670 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to Check Item R33
b. What kind of educational assistance did ... receive? Anything else? Mark (X) all that apply.	1672 <input type="checkbox"/> GI Bill - Mark "40" on ISS 1674 <input type="checkbox"/> Other Veteran's Administration Educational Assistance Programs (Survivors and Dependents; Vocational Rehabilitation; Post-Vietnam Veterans) - Mark "41" on ISS 1676 <input type="checkbox"/> College Work Study - Mark "175" on ISS 1678 <input type="checkbox"/> PELL Grant - Mark "176" on ISS 1680 <input type="checkbox"/> Supplemental Educational Opportunity Grant (SEOG) - Mark "177" on ISS 1682 <input type="checkbox"/> National Direct Student Loan (NDSL) - Mark "178" on ISS 1684 <input type="checkbox"/> Guaranteed Student Loan - Mark "179" on ISS 1686 <input type="checkbox"/> JTPA Training - Mark "180" on ISS 1688 <input type="checkbox"/> Employer Assistance - Mark "181" on ISS 1690 <input type="checkbox"/> Fellowship/Scholarship - Mark "182" on ISS 1692 <input type="checkbox"/> Other financial aid - Mark "183" on ISS
CHECK ITEM R33 Refer to code 25a. Is code 2 (Married, spouse absent) the current entry?	1694 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to Check Item R34
ASK OR VERIFY - 32. Is ...'s spouse in the Armed Forces?	1696 <input type="checkbox"/> Yes <input type="checkbox"/> No
CHECK ITEM R34 Are any codes (excluding codes 171-173, 200-201) marked on the ISS?	1698 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to 34a
33a. You said that during the 4-month period ... received income from ... (Read all items marked on the ISS, except codes 171-173, 200-201). Is that correct?	1700 <input type="checkbox"/> Yes <input type="checkbox"/> No - Please read and resolve (Make corrections to ISS if necessary)
b. Did ... receive income from any other source such as financial help from someone outside the household, payments from the government or anything else?	1702 <input type="checkbox"/> Yes - SKIP to 34b <input type="checkbox"/> No - SKIP to Check Item E1
34a. I have not recorded any sources of income for ... during the 4-month period. Did ... receive income from some source we have not covered, such as financial help from someone outside the household, payments from the government or anything else?	1704 <input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to Check Item F1, page 45
b. What kind of income did ... receive? Anything else?	Enter codes from income source list and mark ISS. 1706 <input type="text"/> <input type="text"/> 1708 <input type="text"/> <input type="text"/> 1710 <input type="text"/> <input type="text"/>

Section 2 — EARNINGS AND EMPLOYMENT

CHECK ITEM F1

Is "Worked" (code 170) marked on
ISS?

1712

- ☐ Yes
☐ No — SKIP to first ISS Code marked or
Check Item F1, page 4a

18. You said ... worked during the 4-month
period. Was ... working for an employer or
was ... self-employed?
(Include unpaid worker in family business or
farm as working for an employer.)

1714

- ☐ Worked for employer only
☐ Self-employed only — SKIP to Statement B,
page 18
☐ Both worked for employer and self-employed

19. How many different employers did ... work for
during this 4-month period?

1716

- ☐ 1 employer
☐ 2 employers
☐ 3 or more employers

CHECK ITEM E2

Is "Both worked for employer and
self-employed" (box 3) marked in 1a?

1718

- ☐ Yes
☐ No — SKIP to 2a

STATEMENT A

... worked for an employer and was also self-employed. The first questions
will be about ...'s work for an employer.

NOTES

STATEMENT A

Section 2 — EARNINGS AND EMPLOYMENT (Continued)

Part A1 — EMPLOYER IDENTIFICATION NUMBER 1

<p>2a. What is the name of the employer for whom ... worked during this 4-month period? <small>(If ... worked for 2 employers, enter one employer here and the other in part A2, page 16. If ... worked for 3 or more employers, enter in A1 and A2 the 2 employers for whom ... worked the most hours.)</small></p>	<p>FORM 1 2000 Employer name</p>
<p>CHECK ITEM E3 Enter employer ID number from item 42, or if a new employer, enter the next available ID number.</p>	<p>FORM 2 2002 Employer ID No.</p>
<p>CHECK ITEM E4 Is the previous wage box marked for this employer in item 42?</p>	<p>FORM 3 2003 <input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 2c</p>
<p>2b. Have ...'s main activities or duties for this employer changed during the past 8 months?</p>	<p>FORM 4 2004 <input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 3a</p>
<p>c. What kind of business or industry was (Name of company or business)? For example: TV and radio manufacturing, retail shoe store, State Labor Department, farm.</p>	<p>FORM 5 2005</p>
<p>ASK OR VERIFY —</p>	<p>FORM 6 2006 1. Manufacturing? 2. Wholesale Trade? 3. Retail Trade? 4. Some other kind of business?</p>
<p>d. Is it mainly —</p>	<p>FORM 7 2007</p>
<p>e. What kind of work was ... doing on this job? For example: Electrical engineer, stock clerk, typist, farmer.</p>	<p>FORM 8 2008</p>
<p>f. What were ...'s main activities or duties? For example: Types, keeps account books, files, sells cars, operates printing press, finishes concrete.</p>	<p>FORM 9 2009</p>
<p>ASK OR VERIFY —</p>	<p>FORM 10 2010</p>
<p>g. Was ... an employee of —</p>	<p>FORM 11 2011 1. A private for-profit company or individual? 2. A private not-for-profit, tax exempt, or charitable organization? 3. Federal government (exclude Armed Forces)? 4. State government? 5. Local government? 6. Armed Forces? 7. Unpaid in family business or farm? — SKIP to Check Item E5</p>
<p>ASK OR VERIFY —</p>	<p>FORM 12 2012</p>
<p>3a. Was ... employed by (Name of employer) during the entire 4-month period?</p>	<p>FORM 13 2013 1. Yes — SKIP to 4 <input type="checkbox"/> No</p>
<p>b. When was ... employed by (Name of employer) during this 4-month period?</p>	<p>2014 FROM <input type="text"/> Month 2015 <input type="text"/> Day 2020 TO <input type="text"/> Month 2021 <input type="text"/> Day</p>
<p>CHECK ITEM E3.2 Did ... stop working for this employer during the reference period?</p>	<p>2022 <input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 4</p>
<p>3c. What is the main reason ... stopped working for (Name of employer)? Mark (X) only one.</p>	<p>2023 1. Laid off 2. Retired 3. Discharged 4. Job was temporary and ended 5. Cut to take another job 6. Quit for some other reason</p>
<p>ASK OR VERIFY —</p>	<p>2024 <input type="text"/> Hours <input type="checkbox"/> None <input type="checkbox"/> DK</p>
<p>4. How many hours per week did ... usually work at this job?</p>	<p>2025</p>
<p>5. Was ... paid by the hour on this job?</p>	<p>2026 <input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 7</p>
<p>6. What was ...'s regular hourly pay rate at the end of (Recent month or "to" date in item 3b)?</p>	<p>2028 \$ <input type="text"/> <input type="checkbox"/> DK A2: Ref. — SKIP to Check Item E5</p>
<p>7. During the 4-month period how often was ... paid on this job?</p>	<p>2030 1. Once a week 2. Once each 2 weeks 3. Once a month 4. Twice a month 5. Some other way — Specify <input type="text"/></p>

Section 2 - EARNINGS AND EMPLOYMENT (Continued)

Part A1 - EMPLOYER IDENTIFICATION NUMBER 1 (Continued)

8a. READ STATEMENT ONLY ONCE PER RESPONDENT

The next question is about the pay ... received from this job during the 4-month period. We need the most accurate figures you can provide. Be sure to include any tips, bonuses, overtime pay, or commissions.

What was the total amount of pay that ... received BEFORE deductions on this job in *1982* each month?

FOR MEMBERS OF THE ARMED FORCES — (Be sure to include housing allowances and any other special types of pay.)

NOTE: Certain months contain 5 paydays for workers paid weekly and 2 paydays for workers paid every 2 weeks.

LAST MONTH

1982 \$ 00

☐ None

☐ DK

☐ Ref.

INTERVIEWER
USE ONLY

\$ 00

\$ 00

\$ 00

\$ 00

\$ 00

Total \$ 00

2 MONTHS AGO

2034 \$ 00

☐ None

☐ DK

☐ Ref.

\$ 00

\$ 00

\$ 00

\$ 00

\$ 00

Total \$ 00

3 MONTHS AGO

2036 \$ 00

☐ None

☐ DK

☐ Ref.

\$ 00

\$ 00

\$ 00

\$ 00

\$ 00

Total \$ 00

4 MONTHS AGO

2038 \$ 00

☐ None

☐ DK

☐ Ref.

\$ 00

\$ 00

\$ 00

\$ 00

\$ 00

Total \$ 00

CHECK ITEM 4

Is "DK" marked in any parts of item 8a?

2040 ☐ Yes

☐ No — SKIP to 9a

8b. If we were to call back later would you (or ...) be able to provide us with the amounts of pay ... received in each of these months? (Information about how much ... received each month is very important to the results of our survey.)

2042 ☐ Yes — Mark Calendar Summary and Reminder Card, item 2a

☐ No

9a. On this job, is (was) ... a member of a labor union or of an employee association similar to a union?

2044 ☐ Yes — SKIP to Check item 25

☐ No

b. Is (was) ... covered by a union or employee association contract?

2046 ☐ Yes

☐ No

CHECK ITEM 6

Number of employers in item 1b, page 13?

2048 ☐ 1 employer — SKIP to Check item 6B, page 17

☐ 2 or more employers

Section 2 - EARNINGS AND EMPLOYMENT (Continued)

Part A2 - EMPLOYER IDENTIFICATION NUMBER 2

10a. What is the name of the other employer for whom ... worked during this 4-month period? (If ... worked for 3 or more employers, enter in A1 and A2 the 2 employers for whom ... worked the most hours.)	PGM 2 Employer name 2100 _____ 2101 _____
CHECK ITEM E6 Enter employer ID number from co item 42, or if a new employer, enter the next available ID number.	PGM 3 Employer I.D. no. 2102 _____
CHECK ITEM E6.1 Is the previous wage box marked for this employer in co item 42?	PGM 4 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No SKIP to 10c
10b. Have ...'s main activities or duties for this employer changed during the past 6 months?	PGM 5 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to 11a
c. What kind of business or industry was (Name of company or business)? For example: TV and radio manufacturing, retail shoe store, State Labor Department, farm.	PGM 6 2103 _____ 2104 _____
ASK OR VERIFY d. Is it mainly -	PGM 7 1 <input type="checkbox"/> Manufacturing? 2 <input type="checkbox"/> Wholesale Trade? 3 <input type="checkbox"/> Retail Trade? 4 <input type="checkbox"/> Some other kind of business?
e. What kind of work was ... doing on this job? For example: Electrical engineer, stock clerk, typist, lawyer.	PGM 8 2105 _____ 2106 _____
f. What were ...'s main activities or duties? For example: Types, keeps account books, files, sells cars, operates printing press, finishes concrete.	PGM 9 2107 _____ 2108 _____
ASK OR VERIFY g. Was ... an employee of -	PGM 10 1 <input type="checkbox"/> A private for-profit company or individual? 2 <input type="checkbox"/> A private not-for-profit, tax exempt, or charitable organization? 3 <input type="checkbox"/> Federal government (exclude Armed Forces)? 4 <input type="checkbox"/> State government? 5 <input type="checkbox"/> Local government? 6 <input type="checkbox"/> Armed Forces? 7 <input type="checkbox"/> Unpaid in family business or farm? - SKIP to Check item E8
11a. ASK OR VERIFY - Was ... employed by (Name of employer) during the entire 4-month period?	PGM 11 1 <input type="checkbox"/> Yes - SKIP to 12 2 <input type="checkbox"/> No
b. When was ... employed by (Name of employer) during this 4-month period?	2110 FROM _____ Month 2111 _____ Day 2112 TO _____ Month 2113 _____ Day
CHECK ITEM E6.2 Did ... stop working for this employer during the reference period?	2114 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to 12
11c. What is the main reason ... stopped working for (Name of employer)?	2115 1 <input type="checkbox"/> Laid off 2 <input type="checkbox"/> Retired 3 <input type="checkbox"/> Discharged 4 <input type="checkbox"/> Job was temporary and ended 5 <input type="checkbox"/> Quit to take another job 6 <input type="checkbox"/> Quit for some other reason
12. ASK OR VERIFY How many hours per week did ... usually work at this job?	2116 _____ Hours 1 <input type="checkbox"/> None 2 <input type="checkbox"/> DK
13. Was ... paid by the hour on this job?	2117 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to 15
14. What was ...'s regular hourly pay rate at the end of (Read last month or "to" date in item 11b)?	2118 \$ _____ 1 <input type="checkbox"/> Ref. SKIP to Check item E9
15. During the 4-month period how often was ... paid on this job?	2119 1 <input type="checkbox"/> Once a week 2 <input type="checkbox"/> Once each 2 weeks 3 <input type="checkbox"/> Once a month 4 <input type="checkbox"/> Twice a month 5 <input type="checkbox"/> Some other way - Specify _____

Section 2 — EARNINGS AND EMPLOYMENT (Continued)

Part A2 — EMPLOYER IDENTIFICATION NUMBER 2(Continued)

16a. READ STATEMENT ONLY ONCE PER RESPONDENT		INTERVIEWER USE ONLY
<p>The next question is about the pay ... received from this job during the 4-month period. We need the most accurate figures you can provide. Be sure to include any tips, bonuses, overtime pay, or commissions.</p> <p>What was the total amount of pay that ... received BEFORE deductions on this job in ... each month?</p> <p>FOR MEMBERS OF THE ARMED FORCES — Be sure to include housing allowances and any other special types of pay.</p> <p>NOTE: Certain months contain 3 paydays for workers paid weekly and 3 paydays for workers paid every 2 weeks.</p>		<p>LAST MONTH</p> <p>\$ <u>21.99</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>Total \$ <u>00</u> <u>00</u></p>
<p>★</p> <p>2 MONTHS AGO</p> <p>\$ <u>21.34</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>Total \$ <u>00</u> <u>00</u></p>		<p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>Total \$ <u>00</u> <u>00</u></p>
<p>3 MONTHS AGO</p> <p>\$ <u>21.34</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>Total \$ <u>00</u> <u>00</u></p>		<p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>Total \$ <u>00</u> <u>00</u></p>
<p>4 MONTHS AGO</p> <p>\$ <u>21.34</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>Total \$ <u>00</u> <u>00</u></p>		<p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>\$ <u>00</u> <u>00</u></p> <p>Total \$ <u>00</u> <u>00</u></p>

CHECK ITEM 7

9. Did ... check all parts of item 16a? 2143 ☐ Yes
☐ No — SKIP to 17a

<p>16b. If we were to call back later would you (or ...) be able to provide us with the amounts of pay ... received in each of these months? (Information about how much ... received each month is very important to the results of our survey.)</p>	<p><u>2142</u> <input type="checkbox"/> Yes — Mark Callback Summary and Reminder Card, item 3b <input type="checkbox"/> No</p>
<p>17a. On this job, is (was) ... a member of a labor union or of an employee association similar to a union?</p>	<p><u>2144</u> <input type="checkbox"/> Yes — SKIP to Check Item 18 <input type="checkbox"/> No</p>
<p>b. Is (was) ... covered by a union or employee association contract?</p>	<p><u>2145</u> <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>CHECK ITEM 8</p> <p>Is "Both worked for employer and self-employed" (box 31 marked in item 1a, page 13)?</p>	<p><u>2148</u> <input type="checkbox"/> Yes — Read Statement B <input type="checkbox"/> No — SKIP to first ISS Code or Check Item P1, page 45</p>

Section 2 — EARNINGS AND EMPLOYMENT (Continued)

Part B1 — SELF-EMPLOYMENT IDENTIFICATION NUMBER 1

STATEMENT B You said ... was (also) self-employed during this 4-month period.

1a. What was the name of ...'s business/professional practice/firm? If ... was self-employed in 2 businesses, enter one business here and the other in part B2, page 21. If ... was self-employed in 3 or more businesses, enter in B1 and B2 the 2 businesses producing the highest gross earnings.		FORM 3 Business name 2200
CHECK ITEM S1	Enter business ID number from column 43, or if a new business, enter the next available ID number	FORM 4 Business ID No. 2201
CHECK ITEM S1.1	Is the previous wave box marked for this business in column 43?	FORM 5 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 1c 2202
1b. Have ...'s main activities or duties for this business changed during the past 6 months?		FORM 6 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 1c 2203
1c. What kind of business was this?		FORM 7 2204
ASK OR VERIFY d. Is it mainly —		FORM 8 1 <input type="checkbox"/> Manufacturing? 2 <input type="checkbox"/> Wholesale Trade? 3 <input type="checkbox"/> Retail Trade? 4 <input type="checkbox"/> Some other kind of business? 2205
e. What kind of work was ... doing?		FORM 9 2206
f. What were ...'s most important activities or duties?		FORM 10 2210
ASK OR VERIFY g. How many hours per week did ... usually work at this business?		FORM 11 2212 Hours 1 <input type="checkbox"/> None 2 <input type="checkbox"/> DK 2213
2. Do you think that the gross earnings of this business will be \$1,000 or more during the next 12 months? <i>Gross earnings include sales and receipts before expenses.</i>		2214 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 1c 3 <input type="checkbox"/> DK
CHECK ITEM S2	Have questions 3 — 5b already been answered for this business by another household member?	2215 1 <input type="checkbox"/> Yes — SKIP to 6a 2 <input type="checkbox"/> No
3. What was the total number of employees working for this business? Be sure to include <i>Enter 999 if more than 1,000 employees.</i>		2216 Employees 2217
4a. Was ...'s business incorporated?		2220 1 <input type="checkbox"/> Yes — SKIP to 5a 2 <input type="checkbox"/> No
b. Was ...'s business a sole proprietorship or a partnership?		2222 1 <input type="checkbox"/> Sole proprietorship — SKIP to 6a 2 <input type="checkbox"/> Partnership
5a. Aside from ... were any other members of this household owners or partners in this business?		2224 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 6a
b. Which members?		2226 Person No. Name 2228 2230
6a. Was ... paid a regular salary from this business during the 4-month period?		2232 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
b. Did ... receive any (other) income from the business during this 4-month period?		2234 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
CHECK ITEM S3	Is "Yes" marked in either item 6a or 6b?	2236 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to Check item S5

Section 2 — EARNINGS AND EMPLOYMENT (Continued)

Part B1 — SELF-EMPLOYMENT IDENTIFICATION NUMBER 1 (Continued)

7. READ STATEMENT ONLY ONCE PER RESPONDENT.

The next question is about the income ... received from this business during the 4-month period. We need the most accurate figures you can provide.

What was the total amount of income that ... received from this business in ... each month?



1ST MONTH

2238 \$ 30

1 None
2 DK
3 Ref.

INTERVIEWER
USE ONLY

\$ 30

\$ 00

\$ 00

TOTAL \$ 00

2 MONTHS AGO

2240 \$ 00

1 None
2 DK
3 Ref.

\$ 00

\$ 00

\$ 00

\$ 00

TOTAL \$ 00

3 MONTHS AGO

2242 \$ 00

1 None
2 DK
3 Ref.

\$ 00

\$ 00

\$ 00

\$ 00

TOTAL \$ 00

4 MONTHS AGO

2244 \$ 00

1 None
2 DK
3 Ref.

\$ 00

\$ 00

\$ 00

\$ 00

TOTAL \$ 00

CHECK
ITEM 54

Is "DK" marked in all parts of ??

2245

1 Yes
2 No — SKIP to Check Item 55

8. If we were to call back later would you (or ...) be able to provide us with the amounts of income ... received in each of these months? (Information about how much ... received each month is very important to the results of our survey.)

2246

1 Yes — Mark Reminder Card and Callback Summary, Item 4a
2 No

CHECK
ITEM 55

Refer to Item 4a, page 12.
Is this business incorporated?

2247

1 Yes — SKIP to 11
2 No

CHECK
ITEM 56

Has information about the net profit or loss for this business already been obtained by another household member?

2248

1 Yes — SKIP to 11
2 No

9a. Can you give me an estimate of the net profit or loss, that is, the difference between gross receipts and expenses for this business, during the 4-month period?

2249

1 Yes
2 No — SKIP to 11

b. What was the net profit or loss?

2250

\$ 00

2251

1 Loss in amount box —
2 Broke even — Mark 00 in box

SKIP to 11

10. About how much did ... earn from this business after expenses during the 4-month period?

2252

\$ 00

1 None
2 DK
3 Ref.

11. Was ... self-employed in any other business (professional practice/firm) during the 4-month period?

2253

1 Yes
2 No — SKIP to first ISS Code or Check Item P1, page 45

Section 2 — EARNINGS AND EMPLOYMENT (Continued)

Part B2 — SELF-EMPLOYMENT IDENTIFICATION NUMBER 2

12a. What was the name of ...'s other business, professional practice/firm? <i>If ... was self-employed in 2 or more businesses, enter in B1 and B2 the 2 businesses producing the highest gross earnings.</i>	2300 Business name _____ 2300 _____								
CHECK ITEM S7 Enter business ID number from item 43, or if a new business, enter the next available ID number.	2301 Business ID # _____ 2301 _____								
CHECK ITEM S7.1 Is the previous wave box marked for this business in item 43?	2302 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 12c								
12b. Have ...'s main activities or duties for this business changed during the past 8 months?	2303 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 12c								
c. What kind of business was this?	2304 _____ 2304 _____								
ASK OR VERIFY — d. Is it mainly —	2305 1 <input type="checkbox"/> Manufacturing? 2 <input type="checkbox"/> Wholesale Trade? 3 <input type="checkbox"/> Retail Trade? 4 <input type="checkbox"/> Some other kind of business?								
e. What kind of work was ... doing?	2306 _____ 2306 _____								
f. What were ...'s most important activities or duties?	2307 _____ 2307 _____								
g. How many hours per week did ... usually work at this business?	2308 _____ Hours a) <input type="checkbox"/> None b) <input type="checkbox"/> DK								
13. Do you think that the gross earnings of this business will be \$1,000 or more during the next 12 months? <i>Gross earnings include sales and receipts before expenses.</i>	2309 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 21 3 <input type="checkbox"/> DK								
CHECK ITEM S8 Have questions 14–16a already been answered for this business by another household member?	2310 1 <input type="checkbox"/> Yes — SKIP to 17a 2 <input type="checkbox"/> No								
14. What was the total number of employees working for this business? Be sure to include ... <i>Enter 999 if more than 1,000 employees.</i>	2311 _____ Employee x) <input type="checkbox"/> DK								
15a. Was ...'s business incorporated?	2312 1 <input type="checkbox"/> Yes — SKIP to 16a 2 <input type="checkbox"/> No								
b. Was ...'s business a sole proprietorship or a partnership?	2313 1 <input type="checkbox"/> Sole proprietorship — SKIP to 17a 2 <input type="checkbox"/> Partnership								
16a. Aside from ... were any other members of this household owners or partners in this business?	2314 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to 17a								
b. Which members?	<table border="1"> <thead> <tr> <th>Person No.</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>2315 _____</td> <td>_____</td> </tr> <tr> <td>2316 _____</td> <td>_____</td> </tr> <tr> <td>2317 _____</td> <td>_____</td> </tr> </tbody> </table>	Person No.	Name	2315 _____	_____	2316 _____	_____	2317 _____	_____
Person No.	Name								
2315 _____	_____								
2316 _____	_____								
2317 _____	_____								
17a. Was ... paid a regular salary from this business during the 4-month period?	2318 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No								
b. Did ... receive any (other) income from the business during this 4-month period?	2319 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No								
CHECK ITEM S9 Is "Yes" marked in either item 17a or 17b?	2320 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No — SKIP to Check item B11								

Section 2 — EARNINGS AND EMPLOYMENT (Continued)

Part B2 — SELF-EMPLOYMENT IDENTIFICATION NUMBER 2 (Continued)

18. READ STATEMENT ONLY ONCE PER RESPONDENT

The next question is about the income ... received from this business during the 4-month period. We need the most accurate figures you can provide.

What was the total amount of income that ... received from this business in (Read name) month?



LAST MONTH

2339 \$ _____ .00

x1 None
x2 DK
x3 Ref.

INTERVIEWER
USE ONLY

\$ _____ .00

\$ _____ .00

\$ _____ .00

\$ _____ .00

TOTAL \$ _____ .00

3 MONTHS AGO

2340 \$ _____ .00

x1 None
x2 DK
x3 Ref.

\$ _____ .00

\$ _____ .00

\$ _____ .00

\$ _____ .00

TOTAL \$ _____ .00

2 MONTHS AGO

2341 \$ _____ .00

x1 None
x2 DK
x3 Ref.

\$ _____ .00

\$ _____ .00

\$ _____ .00

\$ _____ .00

TOTAL \$ _____ .00

1 MONTH AGO

2342 \$ _____ .00

x1 None
x2 DK
x3 Ref.

\$ _____ .00

\$ _____ .00

\$ _____ .00

\$ _____ .00

TOTAL \$ _____ .00

CHECK
ITEMS 10

Is "DK" marked in all parts of 18?

2343

1 Yes
2 No — SKIP to Check Item S14

19. If we were to call back later would you (or ...) be able to provide us with the amounts of income ... received in each of these months? (Information about how much ... received each month is very important to the results of our survey.)

2344

1 Yes — Mark Reminders Card and Callback Summary (item 4b)
2 No

CHECK
ITEMS 11

Refer to item 15a, page 20.
Is this business incorporated?

2345

1 Yes — SKIP to first ISS Code or Check item P1, page 45
2 No

CHECK
ITEMS 12

Has information about the net profit or loss for this business already been obtained by another household member?

2346

1 Yes — SKIP to first ISS Code or Check item P1, page 45
2 No

20a. Can you give me an estimate of the net profit or loss, that is, the difference between gross receipts and expenses for this business, during the 4-month period?

2347

1 Yes
2 No — SKIP to first ISS Code or Check item P1, page 45

b. What was the net profit or loss?

2348

\$ _____ .00

2349

x1 Loss in amount box —
If "Broke even," mark \$1 in box

SKIP to first
ISS Code or
Check item
P1, page 45

21. About how much did ... earn from this business after expenses during the 4-month period?

2350

\$ _____ .00

x1 None
x2 DK
x3 Ref.

SKIP to first
ISS Code or
Check item
P1, page 45

Part A - GENERAL AMOUNTS (ISS Codes 1-56)

TABLE 6

^a $\chi^2_{(1)} = 1.00$, $p = 0.32$.

1936

3022

- ISS code 1 or 2: SS or HP.
- ISS code 15 (NVC) = SKIP to 13, page 24
- ISS code 17: Food Stamps = SKIP to 18, page 24
- ISS codes 37, 10, 51, 52, 53, or 56 = SKIP to Check Item 44
- Other ISS codes: SKIP to 53

▶▶▶

... Yes
... No - SKIP to Check 13 in p. 3

3004

1-726
1-100: \$57.19 Check Item 43

3008

☐ Yes
☐ No = 5% (p = 0.04)

3010

```
1 = Yes
2 = No - SKIP to 5b
```

3512

: TEE
 * _ _ _ _ _ SKIP C E _

1-54

1 - Yes - SNIP to next IES Code or Check from #1
2 - No

5b. How much did . . . receive in each month marked "Yes"? **Yes** or **No**? Please answer by giving the total amount each month before any deductions.

3018

2. Ne
3. DK

3076

5	00
---	----

ϵ_1	$\overline{\square}$	DK
γ_2'	$\overline{\square}$	Ref

3020

1. YMS
 2. MO
 3. DK

2022

\$ 00

$$\begin{aligned} \frac{\partial}{\partial t} &= \frac{\partial}{\partial t} + \frac{\partial}{\partial x} \\ \frac{\partial}{\partial x} &= \frac{\partial}{\partial x} + \frac{\partial}{\partial y} \end{aligned}$$

7B74

☐ Yes
☐ No
☐ DK

3026

3 60

11 - DK
12 - Feb

3228

☐ Yes
☒ No
☐ DK

1010

500

$$\begin{aligned} \epsilon_1 &= \text{DK} \\ \epsilon_2 &= \text{qC}^1 \end{aligned}$$

4432

SS case 1 or 2 - SKIP to Check Item A7
SS cases 8 or 23 through 24
All other income codes SKIP to next SS
Code or Check Item A: cases 45

3034

Yan - 54.0 to Check Item 45

NOTES

Section 3 - AMOUNTS (Continued)

Part A - GENERAL AMOUNTS (ISS Codes 1-56) (Continued)

6b. Which persons were covered?

Person No.

3036

3034

3040

3042

3044

3046

3048

3050

3052

3054

CHECK
ITEM A6

Is this ISS code "B"?

3056

1 Yes

2 No

SKIP to next ISS Code or Check Item P1.
page 45

7. Is ... required to fill out an annual income questionnaire in order to receive a VA pension?

3060

1 Yes

2 No

3 DK

SKIP to next ISS Code or Check Item P1.
page 45

CHECK
ITEM A7

Was this SS code marked for ... in column 45 last reference period?

3062

1 Yes

2 No

SKIP to Check Item A8

(SHOW FLASHCARD U.)

3064

8a. Social Security (Railroad Retirement) sends out checks in two different colored envelopes. Please look at this flashcard and tell me which color envelope ...'s check comes in. (Remember, we are interested in the color of the envelope, not the color of the check.)

1 Blue

2 Buff

3 Direct Deposit

4 Other

5 DK

b. Do ...'s payments usually come on the first of the month or the third?

3066

1 First

2 Third

3 Other

4 DK

CHECK
ITEM A8

Refer to Item 2, page 22.

Were Social Security (Railroad Retirement) payments received especially for ...'s children?

3068

1 Yes

2 No

SKIP to next ISS Code or Check Item P1.
page 45

9a. Were Social Security (Railroad Retirement) payments received for ...'s children in (head each month)?

3070

1 Yes

2 No

3 DK

1 Last month

3072

1 Yes

2 No

3 DK

9b. If "Yes" in 9a - How much was received?

3074

\$

00

2 2 months ago

3076

1 Yes

2 No

3 DK

3078

\$

00

3 3 months ago

3078

1 Yes

2 No

3 DK

3080

\$

00

4 4 months ago

3082

1 Yes

2 No

3 DK

3084

\$

00

VERIFY IF ONLY ONE CHILD OR ASK

3084

1 Yes

2 No

SKIP to next ISS Code or Check Item P1.
page 45

10a. Were all children living here covered by these payments?

3086

1 Yes

2 No

AMOUNTS - PART A

Section 3 — AMOUNTS (Continued)

Part A — GENERAL AMOUNTS (ISS Codes 1 — 56) (Continued)

10b. Which children were covered?

ISSK

ISSO

ISSP

ISSQ

ISSR

ISSS

SKIP to next ISS Code or Check Item P1, page 45

11a. Were all the people living here covered under ...'s food stamp allotment?

ISSA

1. Yes — SKIP to 12a
2. No
3. DK

b. Which persons were covered?

ISSB

ISSC

ISSD

ISSE

ISSF

ISSG

ISSH

ISSI

12a. Did ... receive food stamps in (Read each month)?

12b. If Yes in 12a, 58K —
What was the total amount?

(Last month)

ISSJ

1. Yes
2. No
3. DK

ISSK

1. DK
2. Ref.

2 months ago

ISSL

1. Yes
2. No
3. DK

ISSM

1. DK
2. Ref.

3 months ago

ISSN

1. Yes
2. No
3. DK

ISSO

1. DK
2. Ref.

4 months ago

ISSP

1. Yes
2. No
3. DK

ISSQ

1. DK
2. Ref.

SKIP to next ISS Code or Check Item P1, page 45

13a. Did ... receive any WIC benefits in (Read each month)?

ISSR

ISSS

ISST

ISSU

Mark (X) all that apply

1. Last month
2. 2 months ago
3. 3 months ago
4. 4 months ago

b. Which persons were covered?

ISSV

ISSW

ISSX

ISSY

ISSZ

SKIP to next ISS Code or Check Item P1, page 45

Section 3 — AMOUNTS

Part A — GENERAL AMOUNTS (ISS Codes 1—58)

1. You said ... received (was authorized to receive) Food name or income type during the 4-month period. <small>Read "was authorized to receive" as "asked about Food benefits" Code 7</small>		People Age 3200	NOTE: If any person
CHECK ITEM A1	Mark (X) income type code	3202 <div style="font-size: small;"> 1. ISS code 1 or 2 — SS or RR 2. SS code 25 (WIC) — SKIP to 13a page 47 3. ISS code 27 Food Stamp — SKIP to 17a page 47 4. ISS codes 37, 50, 51, 52, 53, or 56 — SKIP to Check Item A4 5. Other ISS codes — SKIP to 5a </div>	
CHECK ITEM A2	Refer to comment 27 Is ... a designated parent or guardian of children under age 18?	3204 <div style="font-size: small;"> 1. Yes 2. No — SKIP to Check Item A3 </div>	
2. During this 4-month period, were any separate payments from (Social Security/Railroad Retirement) received especially for ...'s children?		3206 <div style="font-size: small;"> 1. Yes 2. No — SKIP to Check Item A3 </div>	
3. Did ... also receive a separate payment for (himself/herself) during any of these months?		3208 <div style="font-size: small;"> 1. Yes 2. No — SKIP to 5a </div>	
CHECK ITEM A3	Is ... married?	3210 <div style="font-size: small;"> 1. Yes 2. No — SKIP to 5a </div>	
4. Did ... receive Social Security (Railroad Retirement) jointly with ...'s spouse?		3212 <div style="font-size: small;"> 1. Yes 2. No — SKIP to 5a </div>	
CHECK ITEM A4	Has information about the amount received by ... from the income source entered in 1 already been recorded during an interview for ...'s spouse?	3214 <div style="font-size: small;"> 1. Yes — SKIP to next ISS Code or Check Item F1 page 48 2. No </div>	
5a. Did ... receive any (Read name of income type) in (Read each month)? <small>NOTE — Some persons receive more than one payment per month for certain income types such as Unemployment Compensation and AFDC.</small>		5b. How much did ... receive in (Read each month marked "Yes" in 5a)? Please answer by giving the total amount each month before any deductions.	
(Last month)		3216 <div style="font-size: small;"> 1. Yes 2. No 3. DK </div>	3218 <div style="font-size: small;"> \$ 00 31 DK 32 Ref. </div>
(2 months ago)		3220 <div style="font-size: small;"> 1. Yes 2. No 3. DK </div>	3222 <div style="font-size: small;"> \$ 00 31 DK 32 Ref. </div>
(3 months ago)		3224 <div style="font-size: small;"> 1. Yes 2. No 3. DK </div>	3226 <div style="font-size: small;"> \$ 00 31 DK 32 Ref. </div>
(4 months ago)		3228 <div style="font-size: small;"> 1. Yes 2. No 3. DK </div>	3230 <div style="font-size: small;"> \$ 00 31 DK 32 Ref. </div>
CHECK ITEM A5	Mark (X) income type code	3232 <div style="font-size: small;"> 1. ISS code 1 or 2 — SKIP to Check Item A7 2. ISS code 8 or 20 through 24 3. All other income codes — SKIP to next ISS Code or Check Item F1 page 48 </div>	
6a. Were all the people living here covered by ...'s payments?		3234 <div style="font-size: small;"> 1. Yes — SKIP to Check Item A8 2. No </div>	
NOTES			

Section 3 - AMOUNTS (Continued)

Part A - GENERAL AMOUNTS (ISS Codes 1-59) (Continued)

6b. Which persons were covered?		Parent No.	Spouse
		3238	
		3239	
		3240	
		3241	
		3242	
		3243	
		3244	
		3245	
		3246	
		3247	
		3248	
		3249	
		3250	
		3251	
		3252	
		3253	
CHECK ITEM A6	Is this ISS code "8"?	3254	<input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to next ISS Code or Check Item P1, page 45
7.	Is ... required to fill out an annual income questionnaire in order to receive a VA pension?	3255	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK } SKIP to next ISS Code or Check Item P1, page 45
CHECK ITEM A7	Was this ISS code marked for ... in item 45 last reference period?	3256	<input type="checkbox"/> Yes - SKIP to Check Item A8 <input type="checkbox"/> No
8a. Social Security (Railroad Retirement) sends out checks in two different colored envelopes. Please look at this Flashcard and tell me which color envelope ...'s check comes in. (Remember, we are interested in the color of the envelope, not the color of the check.)		3257	<input type="checkbox"/> Blue <input type="checkbox"/> Buff <input type="checkbox"/> Direct Deposit <input type="checkbox"/> Other <input type="checkbox"/> DK
b. Do ...'s payments usually come on the first of the month or the third?		3258	<input type="checkbox"/> First <input type="checkbox"/> Third <input type="checkbox"/> Other <input type="checkbox"/> DK
CHECK ITEM A8	Refer to Item 2, page 25 Were Social Security/Railroad Retirement payments received especially for ...'s children?	3259	<input type="checkbox"/> Yes <input type="checkbox"/> No - SKIP to next ISS Code or Check Item P1, page 45
9a. Were Social Security (Railroad Retirement) payments received for ...'s children in ... each month?		9b. If "Yes" in 9a - How much was received?	
Last month	3260	3272	\$ 00
	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK	<input type="checkbox"/> \$ <input type="checkbox"/> Ref.	
2 months ago	3273	3274	\$ 00
	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK	<input type="checkbox"/> \$ <input type="checkbox"/> Ref.	
3 months ago	3275	3276	\$ 00
	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK	<input type="checkbox"/> \$ <input type="checkbox"/> Ref.	
4 months ago	3277	3278	\$ 00
	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK	<input type="checkbox"/> \$ <input type="checkbox"/> Ref.	
10a. Were all children living here covered by these payments?		3279	<input type="checkbox"/> Yes - SKIP to next ISS Code or Check Item P1, page 45 <input type="checkbox"/> No

Section 3 - AMOUNTS (Continued)

Part A - GENERAL AMOUNTS (ISS Codes 1-56) (Continued)

10b. Which children were covered?

ISS Code	Person No.	Name
3280		
3281		
3282		
3283		
3284		
3285		
3286		

SKIP to next ISS Code or Check Item P1, page 45

11a. Were all the people living here covered under ...'s food stamp allotment?

☐ Yes - SKIP to 12a
☐ No

b. Which persons were covered?

ISS Code	Person No.	Name
3300		
3301		
3302		
3303		
3304		
3305		
3306		
3307		
3308		
3309		
3310		
3311		
3312		
3313		
3314		
3315		
3316		

12a. Did ... receive food stamps in ... (Read each month)?	12b. If Yes to 12a, ask - What was the total amount?
(Last month) <input type="checkbox"/> 3322 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK	<input type="checkbox"/> 3324 \$ <input type="text"/> 00 <input type="checkbox"/> DK <input type="checkbox"/> Ref.
2 months ago <input type="checkbox"/> 3325 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK	<input type="checkbox"/> 3326 \$ <input type="text"/> 00 <input type="checkbox"/> DK <input type="checkbox"/> Ref.
3 months ago <input type="checkbox"/> 3329 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK	<input type="checkbox"/> 3332 \$ <input type="text"/> 00 <input type="checkbox"/> DK <input type="checkbox"/> Ref.
4 months ago <input type="checkbox"/> 3334 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK	<input type="checkbox"/> 3336 \$ <input type="text"/> 00 <input type="checkbox"/> DK <input type="checkbox"/> Ref.

SKIP to next ISS Code or Check Item P1, page 45

13a. Did ... receive any WIC benefits in ... (Read each month)?

Mark (X) all that apply.

ISS Code	Person No.	Name
3338		
3339		
3340		
3341		
3342		
3343		
3344		

b. Which persons were covered?

ISS Code	Person No.	Name
3345		
3346		
3347		
3348		
3349		
3350		
3351		
3352		
3353		
3354		

SKIP to next ISS Code or Check Item P1, page 45

Section 3 — AMOUNTS

Part A — GENERAL AMOUNTS (ISS Codes 1 — 56)

1. You said ... received (was authorized to receive) <i>Read name of income type during the 4-month period.</i> <i>Read ... was authorized to receive ... if asking about Food Stamps — code 27</i>		Name: _____ Social Security Number: _____
CHECK ITEM A1	Mark (X) income type code. 1. <input type="checkbox"/> ISS code 1 or 2 ISS or RR <input type="checkbox"/> ISS code 25 WIC — SKIP to 5a, page 30 <input type="checkbox"/> ISS code 27 Food Stamps — SKIP to 17a, page 30 <input type="checkbox"/> ISS codes 37, 40, 51, 52, 53 or 56 — SKIP to Check Item A4 <input type="checkbox"/> Other ISS codes — SKIP to 5a	3402
CHECK ITEM A2	Refer to column 27 Is ... a designated parent or guardian of children under age 18?	3404 <input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Check Item A3
2. During this 4-month period, were any separate payments from (Social Security/Railroad Retirement) received especially for ...'s children?		
3406 <input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Check Item A3		
3. Did ... also receive a separate payment for (himself/herself) during any of these months?		
3408 <input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 5a		
CHECK ITEM A3	Is ... married?	3410 <input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 5a
4. Did ... receive Social Security (Railroad Retirement) jointly with ...'s spouse?		
3412 <input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 5a		
CHECK ITEM A4	Has information about the amount received by ... from the income source entered in 1 already been recorded during an interview for ...'s spouse?	3414 <input type="checkbox"/> Yes — SKIP to next ISS Code or Check Item F, page 45 <input type="checkbox"/> No
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>5a. Did ... receive any (Read name of income type) in (Read each month)?</p> <p>NOTE: Some persons receive more than one payment per month for certain income types such as Unemployment Compensation and AFDC.</p> </div> <div style="width: 48%;"> <p>5b. How much did ... receive in (Read each month marked "Yes" in 5a)? Please answer by giving the total amount each month before any deductions.</p> </div> </div>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>(Last month) ... 3418 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK</p> </div> <div style="width: 48%;"> <p>3418 \$ _____ 00 <input type="checkbox"/> DK <input type="checkbox"/> Ref.</p> </div> </div>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>2 months ago ... 3420 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK</p> </div> <div style="width: 48%;"> <p>3420 \$ _____ 00 <input type="checkbox"/> DK <input type="checkbox"/> Ref.</p> </div> </div>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>3 months ago ... 3424 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK</p> </div> <div style="width: 48%;"> <p>3424 \$ _____ 00 <input type="checkbox"/> DK <input type="checkbox"/> Ref.</p> </div> </div>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>4 months ago ... 3428 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> DK</p> </div> <div style="width: 48%;"> <p>3428 \$ _____ 00 <input type="checkbox"/> DK <input type="checkbox"/> Ref.</p> </div> </div>		
CHECK ITEM A5	Mark (X) income type code. 1. <input type="checkbox"/> ISS code 1 or 2 — SKIP to Check Item A7 <input type="checkbox"/> ISS code 8 or 20 through 24 <input type="checkbox"/> All other income codes — SKIP to next ISS Code or Check Item F, page 45	3432
6a. Were all the people living here covered by ...'s payments?		
3434 <input type="checkbox"/> Yes — SKIP to Check Item A6 <input type="checkbox"/> No		
NOTES <div style="border: 1px solid black; height: 100px; width: 100%;"></div>		

Part A - GENERAL AMOUNTS (ISS Codes 1 - 56) (Continued)

4,500 No

10a. Were all children living here covered by these payments? 2486

Section 3 — AMOUNTS (Continued)			
Part A — GENERAL AMOUNTS (ISS Codes 1 — 56) (Continued)			
10b. Which children were covered?		Person No.	Name
3488			
3489			
3490			
3491			
3492			
3493			
3494			
3495			
3496			
3497			
SKIP to next ISS Code or Check Item #1, page 46			
11a. Were all the people living here covered under ... a food stamp allotment?		<input type="checkbox"/> 1 Yes — SKIP to 12a <input type="checkbox"/> 2 No	
b. Which persons were covered?		Person No.	Name
3502			
3503			
3504			
3505			
3506			
3507			
3508			
3509			
3510			
3511			
3512			
3513			
3514			
3515			
3516			
12a. Did ... receive food stamps in (Read each month)?		12b. If "Yes" to 12a, ask — What was the total amount?	
(Last month)	3522	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No <input type="checkbox"/> 3 DK	3524 \$ 00 <input type="checkbox"/> 4 DK <input type="checkbox"/> 5 Ref.
12 months ago	3526	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No <input type="checkbox"/> 3 DK	3528 \$ 00 <input type="checkbox"/> 4 DK <input type="checkbox"/> 5 Ref.
13 months ago	3530	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No <input type="checkbox"/> 3 DK	3532 \$ 00 <input type="checkbox"/> 4 DK <input type="checkbox"/> 5 Ref.
14 months ago	3534	<input type="checkbox"/> 1 Yes <input type="checkbox"/> 2 No <input type="checkbox"/> 3 DK	3536 \$ 00 <input type="checkbox"/> 4 DK <input type="checkbox"/> 5 Ref.
SKIP to next ISS Code or Check Item #1, page 46			
13a. Did ... receive any WIC benefits in (Read each month)?		<input type="checkbox"/> 1 Last month <input type="checkbox"/> 2 2 months ago <input type="checkbox"/> 3 3 months ago <input type="checkbox"/> 4 4 months ago	
Mark (X) all that apply			
3538			
3539			
3540			
3541			
3542			
3543			
3544			
b. Which persons were covered?		Person No.	Name
3548			
3549			
3550			
3551			
3552			
3553			
3554			
SKIP to next ISS Code or Check Item #1, page 46			

Section 3 — AMOUNTS

Part A — GENERAL AMOUNTS (ISS Codes 1 — 55)

1. You said ... received (was authorized to receive) (Read name of income type) during the 4-month period.

(Read "was authorized to receive" if asking about Food Stamps — code 27.)

ISS code

Name of income type

3600

**CHECK
ITEM A1**

Mark (X) income type code

3602

- ☐ ISS code 1 or 2 (SS or RR)
☐ ISS code 25 (WIC) — SKIP to 13a, page 33
☐ ISS code 27 (Food Stamps) — SKIP to 13a, page 33
☐ ISS codes 37, 50, 51, 52, 53, or 58 — SKIP to Check Item A4
☐ Other ISS codes — SKIP to 5a

**CHECK
ITEM A2**

Refer to item 27.
 Is ... a designated parent, or guardian of children under age 18?

3604

- ☐ Yes
☐ No — SKIP to Check Item A3

2. During this 4-month period, were any separate payments from (Social Security/Railroad Retirement) received especially for ...'s children?

3606

- ☐ Yes
☐ No — SKIP to Check Item A3

3. Did ... also receive a separate payment for (himself/herself) during any of these months?

3608

- ☐ Yes
☐ No — SKIP to 5a

**CHECK
ITEM A3**

Is ... married?

3610

- ☐ Yes
☐ No — SKIP to 5a

4. Did ... receive Social Security (Railroad Retirement) jointly with ...'s spouse?

3612

- ☐ Yes
☐ No — SKIP to 5a

**CHECK
ITEM A4**

Has information about the amount received by ... from the income source entered in 1 already been recorded during an interview for ...'s spouse?

3614

- ☐ Yes — SKIP to next ISS Code or Check Item P1, page 45
☐ No

5a. Did ... receive any (Read name of income type) in (Read each month)?

NOTE — Some persons receive more than one payment per month for certain income types such as Unemployment Compensation and AFDC.

5b. How much did ... receive in (Read each month marked "Yes" in 5a)? Please answer by giving the total amount each month before any deductions.

Last month:

3616

- ☐ Yes
☐ No
☐ DK

3618

\$

00

- x1 ☐ DK
 x2 ☐ Ref.

12 months ago:

3620

- ☐ Yes
☐ No
☐ DK

3622

\$

00

- x1 ☐ DK
 x2 ☐ Ref.

3 months ago:

3624

- ☐ Yes
☐ No
☐ DK

3626

\$

00

- x1 ☐ DK
 x2 ☐ Ref.

4 months ago:

3628

- ☐ Yes
☐ No
☐ DK

3630

\$

00

- x1 ☐ DK
 x2 ☐ Ref.

**CHECK
ITEM A5**

Mark (X) income type code.

3632

- ☐ ISS codes 1 or 2 — SKIP to Check Item A7
☐ ISS code 8 or 20 through 24
☐ All other income codes — SKIP to next ISS Code or Check Item P1, page 45

6a. Were all the people living here covered by ...'s payments?

3634

- ☐ Yes — SKIP to Check Item A6
☐ No

NOTES

Section 3 - AMOUNTS (Continued)

Part A - GENERAL AMOUNTS (ISS Codes 1-66) (Continued)

6b. Which persons were covered?

Person No.	Name
3638	
3639	
3640	
3641	
3642	
3643	
3644	
3645	
3646	
3647	
3648	
3649	
3650	
3651	

CHECK
ITEM A6

Is this ISS code "8"?

3656 ☐ Yes
☐ No - SKIP to next ISS Code or Check item P1, page 45

7. Is ... required to fill out an annual income questionnaire in order to receive a VA pension?

3660 ☐ Yes
☐ No
☐ DK } SKIP to next ISS Code or Check item P1, page 45

CHECK
ITEM A7

Was this ISS code marked for ... in cc item 4b last reference period?

3662 ☐ Yes - SKIP to Check item A8
☐ No

(SHOW FLASHCARD!)

8a. Social Security (Railroad Retirement) sends out checks in two different colored envelopes. Please look at this flashcard and tell me which color envelope ...'s check comes in. (Remember, we are interested in the color of the envelope, not the color of the check.)

3664 ☐ Blue
☐ Buff
☐ Direct Deposit
☐ Other
☐ DK

b. Do ...'s payments usually come on the first of the month or the third?

3666 ☐ First
☐ Third
☐ Other
☐ DK

CHECK
ITEM A8

Refer to item 2, page 37. Were (Social Security/Railroad Retirement) payments received especially for ...'s children?

3668 ☐ Yes
☐ No - SKIP to next ISS Code or Check item P1, page 45

9a. Were Social Security (Railroad Retirement) payments received for ...'s children in (Read each month)?

9b. If "Yes" in 9a - How much was received?

1 Last month: 3670 ☐ Yes
☐ No
☐ DK

3672 \$
☐ DK
☐ Ref.

2 2 months ago: 3674 ☐ Yes
☐ No
☐ DK

3676 \$
☐ DK
☐ Ref.

3 3 months ago: 3678 ☐ Yes
☐ No
☐ DK

3680 \$
☐ DK
☐ Ref.

4 4 months ago: 3682 ☐ Yes
☐ No
☐ DK

3684 \$
☐ DK
☐ Ref.

VERIFY IF ONLY ONE CHILD OR ASK -
 10a. Were all children living here covered by these payments?

3688 ☐ Yes - SKIP to next ISS Code or Check item P1, page 45
☐ No

Section 3 — AMOUNTS (Continued)

Part A — GENERAL AMOUNTS (ISS Codes 1 — 56) (Continued)

10b. Which children were covered?

3688

3690

3692

3694

3696

3698

SKIP to next ISS Code or Check Item P1, page 46

11a. Were all the people living here covered under
... food stamp allotment?

3700

1 ☐ Yes — SKIP to 12a

2 ☐ No

b. Which persons were covered?

3702

3704

3706

3708

3710

3712

3714

3716

12a. Did ... receive food stamps in (fixed each month)?

3722

☐ Yes

x1 ☐ No

x2 ☐ DK

Last month)

12b. If "Yes" in 12a, ask:
What was the total amount?

3724

\$

00

x1 ☐ DK

x2 ☐ Ref.

12 months ago)

3728

☐ Yes

x1 ☐ No

x2 ☐ DK

3728

\$

00

x1 ☐ DK

x2 ☐ Ref.

13 months ago)

3730

☐ Yes

x1 ☐ No

x2 ☐ DK

3732

\$

00

x1 ☐ DK

x2 ☐ Ref.

14 months ago)

3734

☐ Yes

x1 ☐ No

x2 ☐ DK

3736

\$

00

x1 ☐ DK

x2 ☐ Ref.

SKIP to next ISS Code or Check Item P1, page 46

13a. Did ... receive any WIC benefits in (fixed each
month)?

3738

☐ Last month

3740

☐ 2 months ago

3742

☐ 3 months ago

3744

☐ 4 months ago

Mark (X) all that apply

b. Which persons were covered?

3746

3748

3750

3752

3754

SKIP to next ISS Code or Check Item P1, page 46

Section 3 – AMOUNTS

Part A – GENERAL AMOUNTS (ISS Codes 1–56)

1. You said ... received (was authorized to receive)
Read name of income type during the 4-month
period.
*Read "was authorized to receive" if asking
about Food Stamps – page 27.*

ISS CODE

NAME OF INCOME TYPE

CHECK ITEM A1

Mark "X" in income type code.

3802

ISS code 1 or 2 – SS or RFI

ISS code 25 (WIC) – SKIP to 3a, page 38

ISS code 27 – Food Stamps – SKIP to 3a, page 38

ISS codes 37, 50, 51, 52, 53, or 56 – SKIP to Check Item A4

Other ISS codes – SKIP to 3a

CHECK ITEM A2

Refer to **CG** item 27.
Is ... a designated parent, or guardian
of children under age 18?

3803

Yes

No – SKIP to Check Item A2

2. During this 4-month period, were any separate
payments from (Social Security/Railroad
Retirement) received especially for ...'s children?

3805

Yes

No – SKIP to Check Item A3

3. Did ... also receive a separate payment for
himself(herself) during any of these months?

3806

Yes

No – SKIP to 3a

CHECK ITEM A3

Is ... married?

3810

Yes

No – SKIP to 3a

4. Did ... receive Social Security (Railroad
Retirement) jointly with ...'s spouse?

3812

Yes

No – SKIP to 3a

CHECK ITEM A4

Has information about the amount received
by ... from the income source entered in 1
already been recorded during an interview
for ...'s spouse?

3814

Yes – SKIP to next ISS Code or Check Item A1,
page 45

No

5a. Did ... receive any (Read name of income type in
Part a, each month)?

NOTE – Some persons receive more than one
payment per month for certain income types such
as Unemployment Compensation and AFDC.

Last month

3816

Yes

No

X1 OK

2 months ago

3820

Yes

No

X1 OK

3 months ago

3824

Yes

No

X1 OK

4 months ago

3828

Yes

No

X1 OK

5b. How much did ... receive
in ... (Read each month marked
"Yes" in 5a)? Please
answer by giving the total
amount each month
before any deductions.

3818

\$

00

X1 OK

X2 Ref.

3822

\$

00

X1 OK

X2 Ref.

3826

\$

00

X1 OK

X2 Ref.

3830

\$

00

X1 OK

X2 Ref.

CHECK ITEM A5

Mark "X" in income type code.

3832

ISS code 1 or 2 – SKIP to Check Item A7

ISS code 8 or 20 through 24

All other income codes – SKIP to next ISS
Code or Check Item A1, page 45

6a. Were all the people living here covered by ...'s
payments?

3834

Yes – SKIP to Check Item A6

No

NOTES

Part A — GENERAL AMOUNTS (ISS Codes 1—56) (Continued)

C2-35

Section 2 — AMOUNTS (Continued)

Part A — GENERAL AMOUNTS (ISS Codes 1—561) (Continued)

10b. Which children were covered?

Person No.	Name
3883	
3890	
3892	
3894	
3896	
3898	

SKIP to next ISS Code or Check Item P1, page 45

11a. Were all the people living here covered under
... a food stamp allotment?

3900 ☐ Yes — SKIP to 12a
☐ No

b. Which persons were covered?

Person No.	Name
3902	
3904	
3906	
3908	
3910	
3912	
3914	
3916	

12a. Did ... receive food stamps in (Read each month)?

12b. If "Yes" in 12a, ask —
What was the total amount?

(Last month)

3922 ☐ Yes ☐ No ☐ DK
3924 \$ 00

(2 months ago)

3928 ☐ Yes ☐ No ☐ DK
3928 \$ 00

(3 months ago)

3930 ☐ Yes ☐ No ☐ DK
3932 \$ 00

(4 months ago)

3934 ☐ Yes ☐ No ☐ DK
3936 \$ 00

SKIP to next ISS Code or Check Item P1, page 45

13a. Did ... receive any WIC benefits in (Read each
month)?

3938 ☐ Last month
3940 ☐ 2 months ago
3942 ☐ 3 months ago
3944 ☐ 4 months ago

Mark (X) all that apply.

b. Which persons were covered?

Person No.	Name
3946	
3948	
3950	
3952	
3954	

SKIP to next ISS Code or Check Item P1, page 45

Part A — GENERAL AMOUNTS ISS Code 1 — 551

1. *Interpretation of the results*

4000

4992

- 4504

4000

- 4038

- 4070

- 4972

- 2414

- 4015

- 403 L

19

4020

- 4021

5

492

- 2729

1.90

7020

- 4030**

! 2 ! 3

403

- 403.

- C2-37

Section 3 — AMOUNTS (Continued)

Part A — GENERAL AMOUNTS (ISS Codes 1—56) (Continued)

10b. Which children were covered?	Person No.	Name
4088		
4092		
4093		
4094		
4095		
4098		

SKIP to next ISS Code or Check Item #1, page 45

11a. Were all the people living here covered under ...'s food stamp allotment?	Person No.	Name
4100		
<input type="checkbox"/> Yes SKIP to 12a <input type="checkbox"/> No		
b. Which persons were covered?		
4102		
4104		
4108		
4109		
4110		
4112		
4114		
4118		

12a. Did ... receive food stamps in (Read each month)?	Person No.	Name
(Last month) 4122		
<input type="checkbox"/> Yes 4124 \$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="checkbox"/> No 4126 <input type="checkbox"/> OK <input type="checkbox"/> Ref. <input checked="" type="checkbox"/> DK		
12 months ago 4128		
<input type="checkbox"/> Yes 4129 \$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="checkbox"/> No 4131 <input type="checkbox"/> OK <input type="checkbox"/> Ref. <input checked="" type="checkbox"/> DK		
13 months ago 4130		
<input type="checkbox"/> Yes 4132 \$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="checkbox"/> No 4134 <input type="checkbox"/> OK <input type="checkbox"/> Ref. <input checked="" type="checkbox"/> DK		
4 months ago 4134		
<input type="checkbox"/> Yes 4136 \$ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="checkbox"/> No 4138 <input type="checkbox"/> OK <input type="checkbox"/> Ref. <input checked="" type="checkbox"/> DK		

SKIP to next ISS Code or Check Item #1, page 45

13a. Did ... receive any WIC benefits in (Read each month)?	Person No.	Name
4138		
4140		
4142		
4144		
<input type="checkbox"/> 1st month <input type="checkbox"/> 2 months ago <input type="checkbox"/> 3 months ago <input type="checkbox"/> 4 months ago		
b. Which persons were covered?		
4146		
4148		
4150		
4152		
4154		

SKIP to next ISS Code or Check Item #1, page 45

Section 3 — AMOUNTS (Continued)

Part E — RENTAL INCOME (ISS Code 120)

1. Earlier you told me that ... owned some rental property.

CHECK
ITEM A15

INTERVIEW STATUS OF ... SPOUSE

4800

- ☐ No spouse in household — SKIP to 3a
☐ Interview for spouse not yet conducted
☐ Interview for spouse already conducted
 SKIP to 3a

2a. Did ... receive any rental income from property owned jointly by ... and ...'s husband/wife?
 (Include only property owned entirely by couple.)

4807

- ☐ Yes
☐ No — SKIP to 3a

b. About how much was received in gross rent from this property during the 4-month period?

4804

\$ 00

- ☐ DK
☐ Ref. — SKIP to next ISS Code or
 Check Item P1, page 45

c. What is your best estimate of the amount that was cleared after expenses?

Enter \$1 in amount box if respondent reports "broke even."

4808

\$ 00

- ☐ None
☐ DK
☐ Ref. — SKIP to next ISS Code or
 Check Item P1, page 45

4810

☐ Lost money — Enter amount of loss in box

3a. Did ... receive rental income from property owned entirely in ...'s own name?

4810

- ☐ Yes
☐ No — SKIP to 4a

b. About how much was received in gross rent from this property during the 4-month period?

4812

\$ 00

- ☐ DK
☐ Ref. — SKIP to next ISS Code or
 Check Item P1, page 45

c. What is your best estimate of the amount that was cleared after expenses?

Enter \$1 in amount box if respondent reports "broke even."

4814

\$ 00

- ☐ None
☐ DK
☐ Ref. — SKIP to next ISS Code or
 Check Item P1, page 45

SKIP

☐ Lost money — Enter amount of loss in box

4a. Did ... receive any rental income from property owned jointly with others? (Not including property owned entirely by ... and ...'s spouse.)

4816

- ☐ Yes
☐ No — SKIP to next ISS Code or
 Check Item P1, page 45

b. What is your best estimate of ...'s share of the amount cleared on this property during the last 4 months?

4820

\$ 00

Enter \$1 in amount box if respondent reports "broke even."

- ☐ None
☐ DK
☐ Ref.
☐ Lost money — Enter amount of loss in box

SKIP to next
ISS Code or
Check Item
P1, page 45

NOTES

AMOUNTS - PART E

Section 3 — AMOUNTS (Continued)

Part F — MORTGAGES, ROYALTIES AND OTHER FINANCIAL INVESTMENTS (ISS Codes 130, 140, and 150)

CHECK ITEM A16	Asset types owned. Mark (X) all that apply.	4705 1702 4704	<input type="checkbox"/> ISS Code 130 — Mortgages <input type="checkbox"/> ISS Code 140 — Royalties <input type="checkbox"/> ISS Code 150 — Other financial investments
CHECK ITEM A17	Is ISS Code 130 marked in Check Item A16?	4706	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 3
CHECK ITEM A18	Interview status of ... spouse.	4707	<input type="checkbox"/> No spouse in household — SKIP to 3 <input type="checkbox"/> Interview for spouse not yet conducted <input type="checkbox"/> Interview for spouse already conducted — SKIP to 3
1a.	Earlier you said ... held a mortgage. Did ... own this jointly with ...'s spouse?	4710	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 2b
b.	During the past 4 months how much interest was paid to ... And ...'s spouse by the borrower?	4712	\$ <input type="text"/> <input type="text"/> 00 <input type="checkbox"/> None <input type="checkbox"/> DK <input type="checkbox"/> Ref.
2a.	(Besides those jointly held mortgages) did ... hold any mortgages in ...'s own name?	4714	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Check item A19
b.	(Earlier you said that ... held a mortgage.) During the past 4 months how much interest was paid to ... by the borrower?	4716	\$ <input type="text"/> <input type="text"/> 00 <input type="checkbox"/> None <input type="checkbox"/> DK <input type="checkbox"/> Ref.
CHECK ITEM A19	Is ISS Code 140 or 150 marked in Check Item A16?	4718	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Check item 3
3.	Earlier you said ... had (Read asset types). During the past 4 months, how much income did ... receive from these (Read asset types)? If income was shared, count only ...'s share.	4720 4722	\$ <input type="text"/> <input type="text"/> 00 <input type="checkbox"/> None <input type="checkbox"/> DK <input type="checkbox"/> Ref. <input type="checkbox"/> Lost money — Enter amount of loss in box

NOTES

PROGRAM CLUSTERS

Section 4 -- PROGRAM QUESTIONS

CHECK ITEM P1	Is this the reference person's questionnaire?	<u>4800</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Statement A, page 48
1a.	The government has an energy assistance program which helps pay heating and cooling costs. This assistance can be received by the household or it can be paid directly to the electric or gas company, fuel dealer, or landlord. Has this household received assistance of this type during the past 4 months?	<u>4816</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> OK — SKIP to Check item 12
b.	Was this assistance received in the form of checks, coupons or vouchers sent to this household or were the payments sent directly to a utility company, fuel dealer, or landlord?	<u>4818</u> <u>4820</u> <u>4822</u>	<input type="checkbox"/> Checks sent to household <input type="checkbox"/> Coupons or vouchers sent to household <input type="checkbox"/> Payments sent directly to utility company, fuel dealer, or landlord
c.	What was the total amount of the energy assistance received by this household during the past 4 months?	<u>4824</u>	\$ <u> </u> <u>00</u> <input type="checkbox"/> OK
CHECK ITEM P2	Are there any children 6 to 18 who live in the household?	<u>4826</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Statement A, page 48
2a.	Do any of the children in this household usually eat a complete hot lunch offered at school?	<u>4828</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Statement A, page 48
b.	How many children?	<u>4830</u>	<u> </u> Children
c.	Do any of the children receive free or reduced-price lunches this school year because they qualified for the Federal School Lunch Program?	<u>4832</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to 2f
d.	How many children?	<u>4834</u>	<u> </u> Children
e.	Are the lunches free or are they reduced-price? <i>Mark (X) all that apply.</i>	<u>4836</u> <u>4838</u>	<input type="checkbox"/> Free <input type="checkbox"/> Reduced-price
f.	Do any of the children receive free or reduced-price school breakfasts this school year?	<u>4840</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No — SKIP to Statement A, page 48
g.	How many children?	<u>4842</u>	<u> </u> Children
h.	Are the breakfasts free or are they reduced-price? <i>Mark (X) all that apply.</i>	<u>4844</u> <u>4846</u>	<input type="checkbox"/> Free <input type="checkbox"/> Reduced-price

APPENDIX D

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 D-8.

1990

- 9001 - "Recent Developments in the Survey of Income and Program Participation", Census Bureau
- 9002 - "An Analysis of Leaving Home Using Data From the 1984 Panel of the SIPP", by Alden Speare, Roger Avery, Frances Goldscheider, Brown University
- 9003 - "The Effect of the Marriage Market on First Marriages: Evidence From SIPP", John Fitzgerald, Bowdoin College
- 9004 - "Counting Spells of Unemployment", Paul Ryscavage and Kathleen Short, Census Bureau
- 9005 - "The Elderly and Their Sources of Income: Implications for Rural Development", Robert Hoppe, Economic Research Service, U.S. Department of Agriculture
- 9006 - "Alternative Estimates of Economic Well-Being by Age Using Data on Wealth and Income, Daniel Radner, Social Security Administration
- 9007 - "Longitudinal Analysis of Federal Survey Data", Patricia Ruggles, Joint Economic Committee
- 9008 - "Measurement Errors in SIPP Program Reports", Kent H. Marquis and Jeffrey C. Moore, Census Bureau

1989

- 8901 - "Quality of SIPP Estimates," R. P. Singh, L. Weldman, and G. Shapiro, Census Bureau
- 8902 - "Two Notes on Sampling Variance Estimates from the 1984 SIPP Public-Use Files," B. Bye and S. J. Gatticchio, Social Security Administration
- 8903 - "Longitudinal vs. Retrospective Measures of Work Experience," P. Ryscavage and J. Coder, Census Bureau
- 8904 - "Analyzing the Characteristics of Blacks: A Comparison of Data from SIPP and CPS," R. Farley and L. J. Nelder, University of Michigan
- 8905 - "Enhanced Demographic-Economic Data Sets," R. Herriot, C. Bowie, D. Kasprzyk, and S. Haber, Census Bureau
- 8906 - "Reflections on the Income Estimates from the Initial Panel of The Survey of Income and Program Participation (SIPP)," D. Vaughan, Social Security Administration
- 8907 - "Measuring Spells of Unemployment and Their Outcomes," P. Ryscavage, Census Bureau
- 8908 - "Welfare Dependency and its Causes: Determinants of the Duration of Welfare Spells," P. Ruggles, The Urban Institute

SIPP 1987 FULL PANEL RESEARCH FILE

- 8909 - "Measuring the Duration of Poverty Spells," P. Ruggles, The Urban Institute and R. Williams, Congressional Budget Office
- 8910 - "Methods of Processing Unit Data Longitudinally on the SIPP," K. Smith, Congressional Budget Office
- 8911 - "Composite Estimation for SIPP Annual Estimates," R. P. Chakrabarty, Census Bureau
- 8912 - "Research and Evaluation Conducted on the Survey of Income and Program Participation," R. Petroni, T. Carmody, and V. Huggins, Census Bureau
- 8913 - "A Poisson Model of Response and Procedural Error Analysis of SIPP Reinterview Data," D. Hill, University of Michigan
- 8914 - "The Economic Resources of the Elderly," S. Crystal and D. Shea, Rutgers University
- 8915 - "Multivariate Analysis by Users of SIPP Micro-Data Files," R. P. Chakrabarty, Census Bureau
- 8916 - "A Resource-Based Model of Living Arrangements Among the Unmarried Elderly," J. E. Mutchler and J. A. Burr, University of Buffalo
- 8917 - "Measuring Household Change at The individual Level Using Data From SIPP," A. Speare, Jr. and R. Avery, Brown University
- 8918 - "The Effect of Child Care Costs on Married Women's Labor Force participation," R. Connelly, Bowdoin College
- 8919 - "Income and Assets of Social Security Beneficiaries by Type of Benefit," S. Grad, Social Security Administration
- 8920 - "Development and Evaluation of a Survey-Based Type of Benefit Classification for the Social Security Program," D. Vaughan, Social Security Administration
- 8921 - "Wave Seam Effects in the SIPP," N. Young, The Urban Institute
- 8922 - "Components of Longitudinal Household Change for 1984-1985: An Evaluation of National Estimates from the SIPP," by Donald J. Hernandez, Bureau of the Census
- 8923 - "Database Design for Large-Scale Complex Data," by Martin H. David and Alice Robbin, University of Wisconsin-Madison
- 8924 - "Measuring the Frequency and Consequences of Job Separations: Data from the Survey of Income and Program Participation," John M. McNeil and Enrique J. Lamas, Bureau of the Census
- 8925 - "The Regular Receipt of Child Support: A Multi-step Process," James L. Peterson and Christine Winquist Nord, Child Trends, Inc.
- 8926 - "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 - "Offer Arrivals Versus Acceptance: Interpreting Demographic Reemployment Patterns in the Search Framework," T. J. Devine, The Pennsylvania State University
- 8928 - "Findings from the SIPP Fringe Benefits Feasibility Study: Response Rates and Data Quality," S. Haber, The George Washington University

1988

- 8801 - "The Impact of the Unit of Analysis on Measures of Serial Multiple Program Participation," by P. Doyle and S. E. Long, Mathematica Policy Research, Inc.
- 8802 - "Short-Term Fluctuations in Income and Their Impacts on the Characteristics of the Low-Income Population: New Data From the Survey of Income and Program Participation," by P. Ruggles, Urban Institute
- 8803 - "Residential Mobility of One-Person Households," by J. Witte and H. Lahmann, German Institute for Economic Research
- 8804 - "Year-Apart Estimates of Household Net Worth From the Survey of Income and Program Participation," by John M. McNeil and Enrique J. Lamas, Bureau of the Census
- 8805 - "Measuring Poverty and Crises: A Comparison of Annual and Subannual Accounting Program Participation," by Martin David and John Fitzgerald, Institute for Research on Poverty
- 8806 - "Using Administrative Record Data to Evaluate the Quality of Survey Estimates," by Jeffrey C. Moore and Kent H. Marquis, Bureau of the Census
- 8807 - "The Wealth of the Aged and Nonaged, 1984," by Daniel B. Radner, Social Security Administration
- 8808 - "Examining the Dynamics of Health Insurance Loss: A Tale of Two Cohorts," by Alan C. Monheit and Claudia L. Schur, NCHSR
- 8809 - "The Dynamics of Medicaid Enrollment," by Pam Farley Short, Joel C. Cantor, and Alan C. Monheit, NCHSR
- 8810 - "The Discouraged Worker Effect: A Reappraisal Using Spell Duration Data," by Alberto Martini, University of Wisconsin-Madison
- 8811 - "Income as a Proxy for the Economic Status of the Elderly," by Deborah J. Choller and Robert B. Friedland, Employee Benefit Research Institute
- 8812 - "The SIPP: Data from the Social Security Administration's 1987 Annual Statistical Supplement"
- 8813 - "Participation in Industrial Training Programs," by Sheldon Haber, George Washington University
- 8814 - "A Methodological Study Using Administrative Records: The Special Frames Study of the Income Survey Development Program," by W. J. Logan, Social Security Administration, D. Kasprzyk and R. Cavanaugh, Census Bureau
- 8815 - "The Effect of Income Taxation on Labor Supply When Deductions are Endogenous," by R. K. Thrall, Johns Hopkins University

SIPP 1987 FULL PANEL RESEARCH FILE

- 8816 - "A Comparison of Gross Change in Labor Force Status From SIPP and CPS," by P. Ryscavage and A. Feldman-Harkins, Census Bureau
- 8817 - "How are the Elderly Housed? New Data from the 1984 Survey of Income and Program Participation," by A. Goldstein, Census Bureau
- 8818 - "Welfare Reciprocity as Observed in the SIPP," by J. Coder, Census Bureau and P. Ruggles, The Urban Institute
- 8819 - "Reservation Wages and Subsequent Acceptance Wages of Unemployed Persons," by P. Ryscavage, Census Bureau
- 8820 - "Selected References From the Income Survey Development Program (ISDP) and Survey of Income and Program Participation (SIPP)"
- 8821 - "Training, Wage Growth, Firm Size," by S. Haber, The George Washington University and E. Lamas, Census Bureau
- 8822 - "Defining and Measuring Nonmetro Poverty: Results From The Survey of Income and Program Participation," by R. Hoppe, USDA-ERS-ARED
- 8823 - "Nonresponse Adjustment Methods For Demographic Surveys at the U.S. Bureau of the Census," by R. Singh and R. Petroni, Census Bureau
- 8824 - "Testing Telephone Interviewing in the Survey of Income and Program Participation and Some Early Results," by S. Durant and P. Gibur, Census Bureau
- 8825 - "Excluding Sample That Misses Some Interviews From SIPP Longitudinal Estimates," by L. Ernst and D. Gillman, Census Bureau
- 8826 - "The Employment of Mothers and the Prevention of Poverty," by M. Hill, University of Michigan and H. Hartmann, Rutgers University
- 8827 - "Using Administrative Record Data To Describe SIPP Response Errors," by J. Moore and K. Marquis, Census Bureau
- 8828 - "A Look at Welfare Dependency Using The 1984 SIPP Panel File," by J. Coder, D. Burkhead, and A. Feldman-Harkins, Census Bureau
- 8829 - "Census Bureau Microdata: Providing Useful Research Data While Protecting The Anonymity of Respondents," by G. Gates, Census Bureau
- 8830 - "The Survey of Income and Program Participation: An Overview and Discussion of Research Issues," by D. Kasprzyk, Census Bureau

1987

- 8701 - "Tracking Persons Over Time," by A. C. Jean and E. K. McArthur, Census Bureau
- 8702 - "Preliminary Data From the SIPP 1983-84 Longitudinal Research File," by J. F. Coder, D. Burkhead, A. Feldman-Harkins, and J. McNeil, Census Bureau
- 8703 - "Work Experience Data From SIPP," by P. Ryscavage and A. Feldman-Harkins, Census Bureau

- 8704 - "The Treatment of Person-Wave Nonresponse in Longitudinal Surveys," by G. Kalton, J. Lepkowski, S. Heeringa, Ting-Kwong Lin, and M. E. Miller, Survey Research Center, University of Michigan
- 8705 - "SIPP: Filling Data Gaps on the Poverty and Social Welfare Fronts," by P. Ryscavage, Census Bureau
- 8706 - "Response Errors in Labor Surveys: Comparisons Self and Proxy," by D. Hill University of Michigan
- 8707 - "Differences Between SIPP and Food and Nutrition Service Program Data on Child Nutrition and WIC Program Participation," by L. Ku and R. Dalrymple, Food and Nutrition Service, U.S. Department of Agriculture
- 8708 - "Quality Profile for the Survey of Income and Program Participation," by K. King, R. Petroni, and R. Singh, Census Bureau
- 8709 - "Survey of Income and Program Participation SIPP Sample Loss and the Efforts to Reduce It," by D. Nelson, C. Bowie, and A. Walker, Census Bureau
- 8710 - "The Impact of Imputation Procedures on Distributional Characteristics of the Low Income Population," by P. Doyle, Mathematica Policy Research, Inc., and R. Dalrymple, Food and Nutrition Service, U. S. Department of Agriculture
- 8711 - "Job Tenure, Lifetime Work Interruptions and Wage Differentials," by J. McNeil, E. Lamas, Census Bureau, and S. Haber, George Washington University
- 8712 - "Measuring the Bias in Gross Flows in the Presence of Auto-Correlated Response Errors," by D. Hubble, Census Bureau, and D. Judkins, Westat, Inc.
- 8713 - "Investigation of Possible Causes of Transition Patterns from SIPP," by L. Weidman, Census Bureau
- 8714 - "Households and Income Sources: Monthly Averages for 1984," by J. Moorman, Census Bureau
- 8715 - "Creating SIPP Longitudinal Files Using OSIRIS IV," by M. Servais, University of Michigan
- 8716 - "Transition In and Out of Poverty: New Data From the Survey of Income and Program Participation," by P. Ruggles, Urban Institute and R. Williams, Congressional Budget Office
- 8717 - "On their own: The Self-employed and Others in Private Business," by S. Haber, George Washington University, E. Lamas Bureau of the Census, and J. Lichtenstein, U.S. Small Business Administration.
- 8718 - "Factors Associated With Household Net Worth," by E. Lamas and J. McNeil, Bureau of the Census
- 8719 - "Exploring Changes in Health Care Coverage Using the SIPP Longitudinal Research File," by D. Burkhead and A. Feldman, Bureau of the Census
- 8720 - "The Analysis of Geographical Mobility and Life Events with the SIPP," by D. Dahmann and E. McArthur, Bureau of the Census
- 8721 - "A Review of the Use of Administrative Records in the Survey of Income and Program Participation," by C. Bowle and D. Kasprzyk, Census Bureau
- 8722 - "Survey of Income and Program Participation Update," by D. Kasprzyk, Bureau of the Census
- 8723 - "Measuring Poverty with the SIPP and the CPS," by R. Williams, Congressional Budget Office

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- 8724 - "The Statistical Invisible Minority Aged," by C. Taeuber, Bureau of the Census, and E. Attah, Atlanta University
- 8725 - "An Analysis of the SIPP Asset and Liability Feedback Experiment," by E. Larnas and J. McNeil, Bureau of the Census

1988

- 8601 - "Some Aspects of SIPP," compiled and edited by R. A. Herriot and D. Kasprzyk, Census Bureau
- 8602 - "Nonsampling Error Issues in the SIPP," by G. Kalton, University of Michigan, and D. B. McMillen and D. Kasprzyk, Census Bureau
- 8603 - "An Investigation of Model-Based Imputation Procedures Using Data From the Income Survey Development Program," by V. J. Huggins and L. Weidman, Census Bureau
- 8604 - "Food Stamp Participation: A Comparison of SIPP With Administrative Records," by S. Carlson and R. Dalrymple, Food and Nutrition Service
- 8605 - "SIPP Longitudinal Household Estimation for the Proposed Longitudinal Definition," by L. R. Ernst, Census Bureau
- 8608 - "A Comparison of Seven Imputation Procedures for the 1979 Panel of the Income Survey Development Program," by V. J. Huggins, Census Bureau
- 8607 - "An Investigation of the Imputation of Monthly Earnings for the Survey of Income and Program Participation Using Regression Models," by V. J. Huggins and L. Weidman, Census Bureau
- 8608 - "Evaluation of Training Materials and Methods for the Survey of Income and Program Participation," by M. Holt, Survey Research Consultant
- 8609 - "Patterns of Household Composition and Family Status change," by C. F. Citro, ASA/Census Research Fellow, and H. W. Watts, Department of Economics, Columbia University
- 8610 - "Composite Estimation for SIPP: A Preliminary Report," by R. P. Chakrabarty, Census Bureau
- 8611 - "Longitudinal Household Concepts In SIPP: Preliminary Results," by C. F. Citro, ASA/Census Research Fellow, D. J. Hernandez, and R. A. Herriot, Census Bureau
- 8612 - "Following Children In the Survey of Income and Program Participation," by E. K. McArthur, K. S. Short, and S. Bianchi, Census Bureau
- 8613 - "SIPP Labor Transitions: Problems and Promises," by P. Ryscavage and K. S. Short, Census Bureau
- 8614 - "Augmenting Data Reported In the Survey of Income and Program Participation With Administrative Record Data - A Brief Discussion," by D.K. Sater, Census Bureau

1985

- 8501 - "The Survey of Income and Program Participation: Uses and Application," by K.S. Short, Census Bureau

- 8502 - "Application of a Matched File Linking the Bureau of the Census Survey of Income and Program and Participation and Economic Data," by S. Haber, George Washington University
- 8503 - "Using the Survey of Income and Program Participation for Research on the Older Population," by D. B. McMillen, C. M. Taeuber, and J. Marks, Census Bureau
- 8504 - "Summary of the Content of the 1984 Panel of the Survey of Income and Program Participation," by D. T. Frankel, Census Bureau
- 8505 - "Enhancing Data From the Survey of Income and Program Participation With Data From Economic Censuses and Surveys," by D. K. Sater, Census Bureau
- 8506 - "Methodologies for Imputing Longitudinal Survey Items," by V. J. Huggins, L. Weidman, and M. E. Samuhel, Census Bureau
- 8507 - "New Household Survey and the CPS: A Look at Labor Force Differences," by P. M. Ryscavage, Census Bureau, and J. E. Bregger, Bureau of Labor Statistics

1984

- 8401 - (Update No. 1, Revised 12/85) "An Overview of the Survey of Income and Program Participation," by D. Nelson, D.B. McMillen, and D. Kasprzyk, Census Bureau

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1986

____ 8601 ____ 8608
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1987

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1988

____ 8801 ____ 8808 ____ 8815 ____ 8822 ____ 8829
____ 8802 ____ 8809 ____ 8816 ____ 8823 ____ 8830
____ 8803 ____ 8810 ____ 8817 ____ 8824
____ 8804 ____ 8811 ____ 8818 ____ 8825
____ 8805 ____ 8812 ____ 8819 ____ 8826
____ 8806 ____ 8813 ____ 8820 ____ 8827
____ 8807 ____ 8814 ____ 8821 ____ 8828

1989

____ 8901 ____ 8908 ____ 8915 ____ 8922
____ 8902 ____ 8909 ____ 8916 ____ 8923
____ 8903 ____ 8910 ____ 8917 ____ 8924
____ 8904 ____ 8911 ____ 8918 ____ 8925
____ 8905 ____ 8912 ____ 8919 ____ 8926
____ 8906 ____ 8913 ____ 8920 ____ 8927
____ 8907 ____ 8914 ____ 8921 ____ 8928

1990

____ 9001
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____ 9007
____ 9008

APPENDIX E

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	13-15
BEGIN	Starting position of data field	COL	18-22
REPEATS	Number of times the variable is repeated	COL	25-27
LENGTH	Length of individual field	COL	30-31

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.)

Machine-Readable Variable Listing with Repetitions Layout

The 1987 Longitudinal File contains a number of variables that are repeated either 8 or 32 times. These are variables that are collected either once an interview or monthly. To make the data dictionary more readable, and less voluminous, variables that are repeated are defined only once in the data dictionary. However, an ASCII file has been placed on the computer tape showing all repetitions of variables.

This file lists all variables along with size and position location. If a variable is monthly, like address is (ADDID), there are 32 variables listed (ADDID01 to ADDID32). Similarly, if there are 8 repetitions of a variable on the file there will be 8 variables listed. The format of this is as follows:

<u>Field Name</u>	<u>Description</u>	<u>Columns</u>
Condensed Variable Listing	Lists variables as defined in the data dictionary	1 - 8
Position	Starting position on data tape file	36 - 40
Size	Variable size on data tape file	68 - 70
Complete Variable Listing	Lists repeated variables	101 - 108

The example below shows the format of the first 10 records on this file.

Condensed Variable Listing	Position	Size	Complete Variable Listing
SUSEQNUM	1	8	SUSEQNUM
ROT	7	1	ROT
SU-ID	8	9	SU-ID
PP-ENTRY	17	2	PP-ENTRY
PP-PNUM	19	3	PP-PNUM
SU-TOTPP	22	2	SU-TOTPP
PP-RCSEQ	24	2	PP-RCSEQ
HH-ADDID	26	2	ADDID01
	28	2	ADDID02
	30	2	ADDID03

This file should be useful in identifying all fields on the data file.

APPENDIX F

User Notes

This section is reserved for any information relevant to the SIPP 1987 Full Panel Microdata Research File that indicates specific problems with the data, or that becomes available after the file is released. Any such information should be filed behind this page.

User Notes will be sent to all users who (1) purchased their file (or technical documentation) from the Census Bureau and (2) returned the coupon following the title page.



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

**SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)
1987 FULL PANEL
MICRODATA RESEARCH FILE**

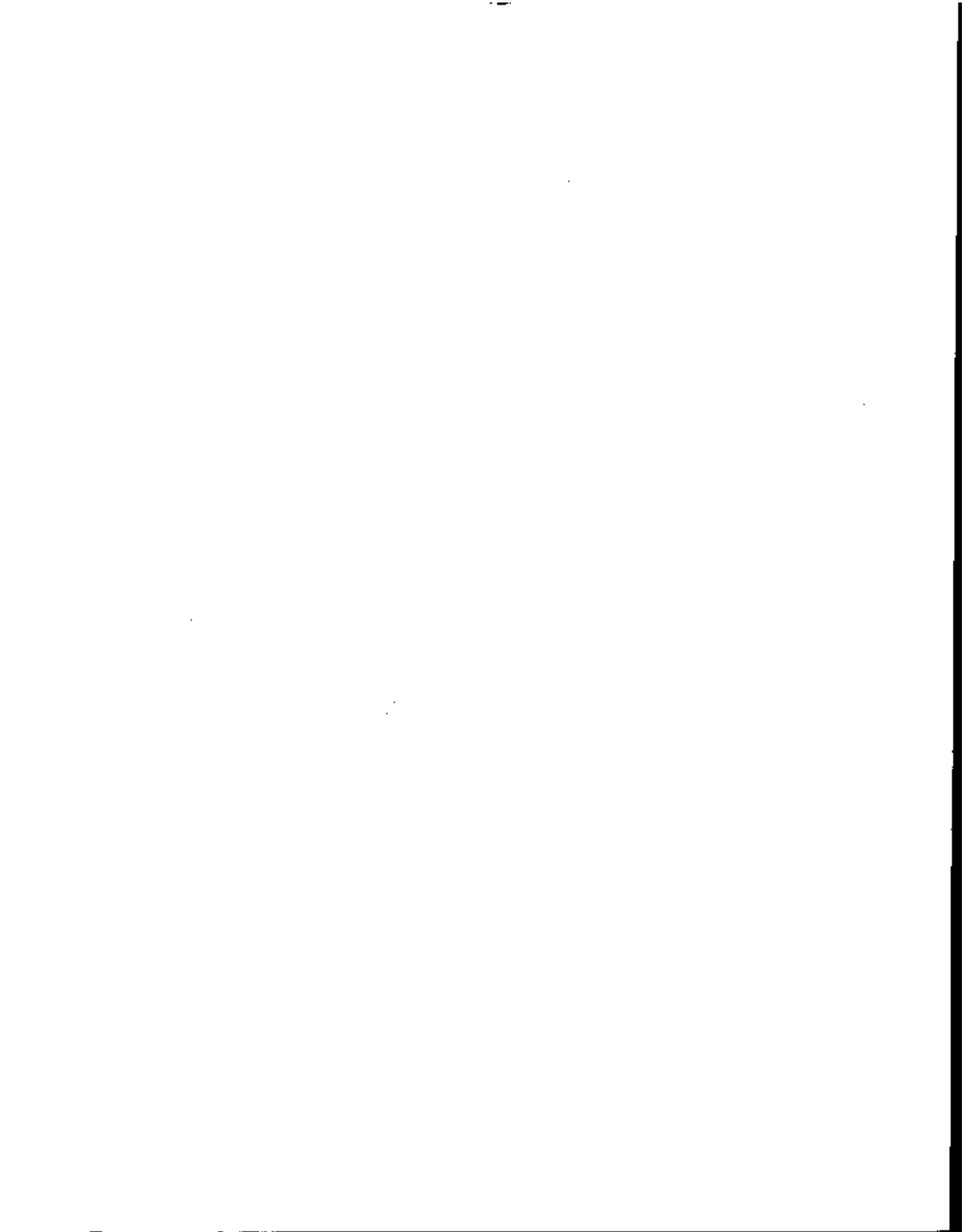
USER NOTE NO. 1

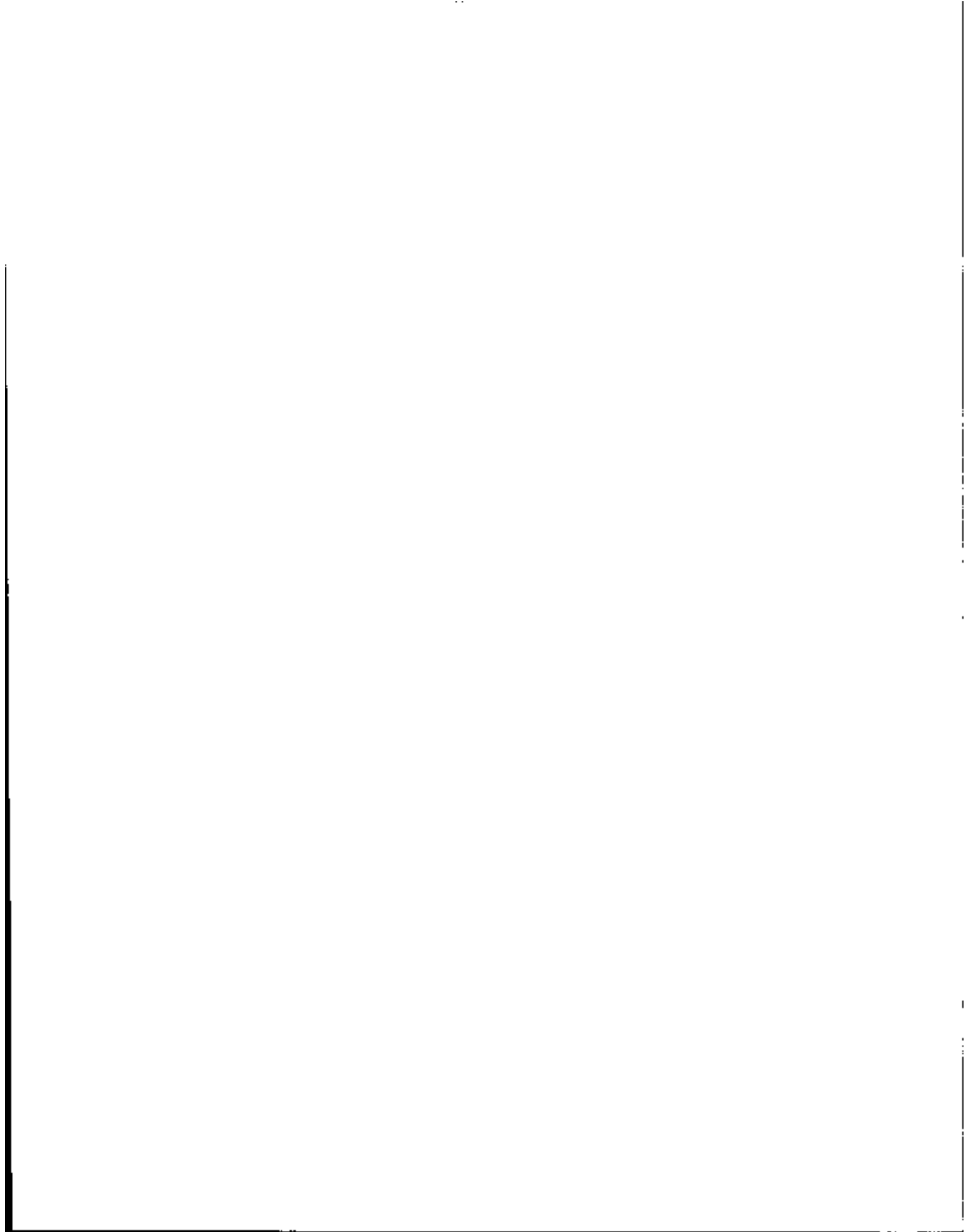
Subject: Correction of File Size on Abstract

The record count for the SIPP 1987 Full Panel Microdata Research File is 35,944. The attached abstract with the corrected count replaces pages 1-1 and 1-2 of the technical documentation.

Corrected pages have been inserted into documentation. 12/21/90

December 1990





Need to update the Rack
7/10/96
P.T.

1987 PANEL

Panel size 11,700

③ copy Logue 1 Rectangular Microdata File Core Data only

yes	yes	Wave 1 Rectangular Core and Topical Module • \$350 • 280 MB (2 reels 6250 bpi) • Data Development XIII-35
yes	yes	Wave 2 Rectangular Core and Topical Module • \$350 • 280 MB (2 reels 6250 bpi) • D.D. XIII-19 • Topical Module: Fertility history; Marital history; Migration history; Reciprocity history; Employment history; Work disability history; Education and training history; Household relationships; Family background; Personal history.
yes	yes	Wave 3 Rectangular Core and Topical Module • \$350 • 280 MB (2 reels 6250 bpi) • D.D. XIII-2 • Topical Module: Child care arrangements; Child support agreements; Support for non-household members; Work-related expenses; Shelter costs; Energy usage.
yes	yes	Wave 4 Rectangular Core and Topical Module • \$350 • 280 MB (2 reels 6250 bpi) • D.D. XIII-8 • Topical Module: Assets and liabilities; Real estate property and vehicles.
yes	yes	Wave 5 Rectangular Core and Educational Financing/Enrollment • \$350 • 280 MB (2 reels 6250 bpi) • D.D. XIII-43 • Topical Module: Annual income and retirement accounts; Taxes; School enrollment and financing. (Re-reel 07/05/95)
yes	yes	Wave 5 Core and Topical Module Rectangular-Research File • \$225 • (2 reels 6250 bpi)
yes	yes	Wave 6 Rectangular Core and Topical Module • \$350 • 280 MB (2 reels 6250 bpi) • D.D. XIV-12 • Topical Module: Work schedule; Child care arrangements; Child support agreements; Support for non-household members; Health status and utilization of health care services; Long term care; Disability status of children.
yes	yes	Wave 7 Rectangular Core and Topical Module • \$350 • 280 MB (2 reels 6250 bpi) • D.D. XIII-20 • Topical Module: Selected financial assets; shelter costs; Real estate; property and vehicles; Work disability; medical expenses; dependent care.

Add to the List

1987 Fall Panel Microdata File
