Survey of Income and Program Participation (SIPP)
1990 Panel
Wave 5 Topical Module Microdata Research File
TECHNICAL DOCUMENTATION

SIPP-90-5RES

SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)

1990 PANEL

WAVE 5 TOPICAL MODULE MICRODATA RESEARCH FILE

Technical Documentation

Washington, D.C.

1992

U.S. DEPARTMENT OF COMMERCE

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* *

The **file** should be cited as follows:

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Authorization for Access to the Survey of Income and Program Participation (SIPP) 1990 Panel Wave 5 Topical Module Restricted Access Public-Use Microdata Research File

The Census Bureau has released this 1990 Panel Wave 5 topical module file for research to improve understanding and analysis of SIPP data. The file contains data from the Wave 5 1990 topical module which includes annual income and retirement accounts, taxes, and school enrollment and financing. Only the topical module relating to education has been subject to routine Bureau edits and imputation. The other topical modules have not been edited nor imputed although they have been topcoded or bottomcoded and recoded where necessary, to avoid disclosure of individual respondents. We expect the results of research using the file will lead to improvements in the quality of SIPP data and future products.

The Wave 5 topical module research data contained on this file are preliminary and review of the data for consistency and accuracy is currently ongoing at the Census Bureau. For these reasons, the Census Bureau regards the data on the file as preliminary and not for citation as official estimates.

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2. The recipient agrees to share research results pertaining to the quality of the file or the data with the Census Bureau. A copy of any report prepared using data from the research file will be sent to the Census Bureau.

3. The recipient agrees to identify the data source and its limitations in any report using data from this file by including the following paragraph in any such report.

   "This report uses data from the Survey of Income and Program Participation 1990 Panel Wave 5 Topical Module Research File, which was released by the Census Bureau for research to improve understanding and analysis of SIPP data. The data on the file should be analyzed and interpreted with caution. At the time the file was created, the Census Bureau was still exploring certain unresolved technical 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."

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TABLE OF CONTENTS

SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)
1990 PANEL
WAVE 5 TOPICAL MODULE MICRODATA RESEARCH FILE

ABSTRACT

Survey of Income and Program Participation (SIPP) 1990 Panel Wave 5 Topical Module Microdata Research File [machine-readable data file] / conducted by the U.S. Bureau of the Census. Washington: The Bureau [producer and distributor], 1992.

Type of File:

Microdata; unit of observation is an individual.

Universe Description:

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

Subject-Matter Description:

The file contains data primarily from the topical module portion of the questionnaire. However, for purposes of matching persons to the core file, which was released separately, the beginning of the file contains identifying information as well as some basic demographic and social characteristics that are also contained in the core file. The identifying information includes sample unit, household address, and entry address identification. Demographic and social characteristcs include age, sex, race (White; Black; American Indian, Eskimo, and Aleut; Asian or Pacific Islander; and Other), ethnic origin (23 categories including 7 Spanish origin categories), marital status, and education. Data in this topical module file include annual income and retirement accounts, taxes, and school enrollment and financing. Only the topical module relating to education has been subject to routine Bureau edits and imputations. The other topical modules have not been edited nor imputed although they have been topcoded or bottomcoded and recoded where necessary, to avoid disclosure of individual respondents.

The data from the annual income and retirement accounts and taxes topical modules are preliminary and review of the data for consistency and accuracy is currently ongoing at the Census Bureau. For these reasons, the Census Bureau regards the data on the file as preliminary and not for citation as official estimates.

The sample consists of 4 rotation groups, each interviewed in a different month from June to September 1991. For each group the reference period for reporting labor force activity and income is the four calendar months preceding the interview month.

SIPP is a longitudinal survey where each sampled household and each descendent household is reinterviewed at 4-month intervals for 6 interviews or "waves." This file contains the results of the fifth interview. Unique codes are included on each record to allow linking together the same persons from the preceding and subsequent waves.

Geographic Coverage:

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

Technical Description:

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

File Size: 58,726 logical records; 320 character logical record length.

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

Reference Materials:

Survey of Income and Program Participation (SIPP) 1990 Panel, Wave 5 Topical Module Microdata Research File Technical Documentation. The documentation includes this abstract, the data dictionary, an index to the data dictionary, relevant code lists, a questionnaire facsimile, and general information relative to SIPP. One copy of the technical documentation accompanies each file order but also may be purchased separately for $25 from Data User Services Division, Customer Services, Bureau of the Census,Washington, D.C. 20233.

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

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

Related Printed Reports:

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

Related Machine-Readable Data Files:

SIPP files from all Waves of the 1984 through 1988 Panels along with Waves 1 through 6 (core only for Waves 1 and 6) from the 1990 Panel and Waves 1, 2, and 3 from the 1991 Panel, are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, D.C. 20233. An order form is on the following page for your convenience.

File Availability:

Survey of Income and Program (SIPP) 1990 Panel, Wave 5 Topical Module Microdata Research File is available on computer tape for $175 at either 6250 or 1600 bpi; ASCII or EBCDIC, labeled or unlabeled. The file is also available on tape cartridges (IBM 3480 compatible) for the same price. A machine-readable dictionary is contained at the end of the file. The dictionary is also available separately on one tape reel for $175. When ordering, please use the order form on the following page.

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FILE INFORMATION

Matching Topical Module File with Core File

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

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

Geographic Coverage

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

Identification Number System

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

The various components of the identification scheme are listed below:

Sample Unit Identification Number
Address ID
Entry Address ID
Person Number

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

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

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

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

Topcoding of Income Variables

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

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

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

GLOSSARY OF SELECTED TERMS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

INDEX TO 1990 WAVE 5 TOPICAL MODULE RESEARCH FILE

Item	Mnemonic	Position
KEOGH Account in Own Name	TM9358	155
KEOGH Contributions Applied to 1990 Tax Return	TM9360	157
KEOGH Withdrawals During 1990	TM9364	159
Live Away From Home While Attending School	TM9622	223
Location of Business, Primarily	TM8070	107
Loss From Business for First Co-Owner, Indication of	TM8216	86
Loss From Business for Second Co-Owner, Indication of	TM8222	91
Loss From Other Businesses	TM8280	139
Loss from Second Business for First Co-Owner	TM8266	131
Loss from Second Business for Second Co-Owner	TM8272	136
Lost Money on Business	TM8204	78
Marital Status	MS	48
Money Market Funds	TM9344	148
Money Market Funds	TM9372	162
Municipal or Corporate Bonds	TM9348	150
Municipal or Corporate Bonds	TM9376	164
National Direct Student Loan	TM9648	257
National Direct Student Loan, Amount Received From	TM9650	258
Number of Businesses Owned and Operated During 1990	TM8006	64
Owner of Business, Person Number of Other	TM8014	72
Part Owners of Second Business - Check Item T8	TM8258	125
Pell Grant Educational Assistance	TM9640	247
Pell Grant, Amount Received From	TM9642	248
Person Number of First Co-Owner of Business	TM8212	83
Person Number of First Co-Owner of Second Business	TM8262	128
Person Number of Household Members- Part Owners	TM8158	111
Person Number of Household Members- Part Owners	TM8160	114
Person Number of Other Owner of Business	TM8014	72
Person Number of Other Owner of Business (Second)	TM8064	100
Person Number of Parent	PNPT	52
Person Number of Second Co-Owner of Business	TM8218	88
Person Number of Second Co-Owner of Business	TM8268	133
Person Number of Spouse	PNSP	49
Person Number, Edited	PNUM	27
Person One of Joint Property Tax Payer	TM9494	197
Person Two of Joint Property Tax Payer	TM9496	200
Property Tax Bill, Amount of	TM9498	203
Property Taxes Paid in 1990	TM9490	195
Property Taxes Paid Jointly	TM9492	196
Property Taxes Paid Jointly With Person One	TM9494	197
Property Taxes Paid Jointly With Person Two	TM9496	200
Race - Edited and Imputed	RACE	47
Receipt of Educational Assistance	TM9626	229
Relationship to Reference Person, Edited	RRP	42
Salary Reduction or 401K Plan	TM9386	170
Schedule A - Itemized Deductions	TM9422	189
Schedule D - Capital Gains and Losses	TM9424	191
School Enrollment Status	TM9610	209
SEOG, Amount Received From	TM9646	253
Sex - Edited and Imputed	SEX	46
Sole Proprietorship - Check Item T7	TM8126	77
Sole Proprietorship for Business One - Check Item T7	TM8176	122
Sole Proprietorship-Check Item T5 for Second Business	TM8154	108
Stocks or Mutual Fund Shares	TM9352	152
Stocks or Mutual Fund Shares	TM9380	166

VARIABLE LISTING TO 1990 WAVE 5 TOPICAL MODULE RESEARCH FILE

Mnemonic	Item	Position
ADDID	Address Identification	20
AGE	Age as of Last Birthday - Edited and Imputed	43
ENTRY	Address Identification - Edited Entry	25
ETHNICTY	Ethnic Origin	58
FINALWGT	Weight, Second Stage Factor	30
GRD-CMPL	Grade Attended Was Completed, Highest	57
HIGRADE	Grade or Year of School Attended, Highest	55
INTVW	Interview Status, Person's	24
ITEM36B	Interview Status Code	22
MS	Marital Status	48
PINX	Index From Core, Person	18
PNPT	Person Number of Parent	52
PNSP	Person Number of Spouse	49
PNUM	Person Number, Edited	27
RACE	Race - Edited and Imputed	47
RRP	Relationship to Reference Person, Edited	42
SEX	Sex - Edited and Imputed	46
TM-IFC1:18	Imputation Flags for Educational Financing	298
TM-IFC1:18	Educational Financing Imputation Flags	298
TM8000	Check Item T1 - Names of Businesses on Control Card	61
TM8000	Business Names on Control Card - Check Item T1	61
TM8002	Check Item T2 - Previous Interviews Obtained	62
TM8002	Interviews Obtained Previously - Check Item T2	62
TM8004	Business Owned and Operated During Calendar Year 1990	63
TM8006	Number of Businesses Owned and Operated During 1990	64
TM8006	Businesses Owned and Operated During 1990, Number of	64
TM8010	Check Item T3 - Business ID Number	69
TM8010	Business ID Number - Check Item T3	69
TM8012	Check Item T4 - Business Information Already Obtained	71
TM8012	Business Information Already Obtained - Check Item T4	71
TM8014	Person Number of Other Owner of Business	72
TM8014	Owner of Business, Person Number of Other	72
TM8016	Business ID Number of Business For Other Owner	75
TM8060	ID Number of Second Business - Check Item T3	97
TM8060	Check Item T3 - ID Number of Second Business	97
TM8062	Business Information Obtained - Check Item T4	99
TM8062	Check Item T4 - Business Information Obtained	99
TM8064	Person Number of Other Owner of Business (Second)	100
TM8064	Business (Second) Owner , Person Number of Other	100
TM8066	Business ID Number of Business for Other Owner	103
TM8068	Form of Business - Type of Proprietorship	105
TM8070	Location of Business, Primarily	107
TM8126	Check Item T7 - Sole Proprietorship	77
TM8126	Sole Proprietorship - Check Item T7	77
TM8154	Check Item T5 for Second Business-Sole Proprietorship	108
TM8154	Sole Proprietorship-Check Item T5 for Second Business	108
TM8154	Check Item T5 - Sole Proprietorship for Second Business	108
TM8156	Household Members Part Owners of Second Business	109
TM8158	Person Number of Household Members- Part Owners	111
TM8158	Household Members Part Owners-First Person Number	111
TM8160	Person Number of Household Members- Part Owners	114
TM8160	Household Members Part Owner-Second Person Number	114

HOW TO USE THE DATA DICTIONARY

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

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

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

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

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

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

```
DATA        SIZE  BEGIN

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

D ID          9      6
     Sample unit identifier
     This identifier is created by scrambling
     together the PSU, segment and serial of
     the original sample address. It may be
     used in matching sample units from
     different waves.
     Range = (000000000:999999999)
U All persons

D ROTATION    1     15
     Rotation
     Range = (1:4)
U All persons

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

```
DATA        SIZE  BEGIN

D PINX        2     18
     Person index from core

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

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

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

```
DATA        SIZE  BEGIN

D ENTRY        2     25
    Edited entry address ID
    Address of the household that this
    person belonged to at the time this
    person first became part of the sample
U All persons, including children

D PNUM         3     27
    Edited person number
U All persons, including children

D FINALWGT    12     30
    'STAGE1WT' * second stage factor.
U All persons, including children

D RRP          1     42
    Edited relationship to reference person
U All persons, including children
V          0 .Not a sample person in this
V            .month
V          1 .Household reference person,
V            .living with relatives
V          2 .Household reference person
V            .living alone or with only
V            .non-relatives (primary
V            .individual)
V          3 .Spouse of household reference
V            .person
V          4 .Child of household reference
V            .person
V          5 .Other relative of household
V            .reference person
V          6 .Non-relative of household
V            .reference person but related
V            .to others in the household -
V            .member of an unrelated
V            .sub(secondary) family
V          7 .Non-relative of household
V            .reference person and not
V            .related to anyone else
V            .in the household(secondary
V            .individual)

D AGE          3     43
    Edited and imputed age as of last
    birthday.
U All persons, including children
V        000 .Less than 1 full year
V        001 .1 year
V            .etc.

D SEX          1     46
    Sex of this person
    Edited and imputed
U All persons, including children
V          1 .Male
V          2 .Female

D Race         1     47
    Race of this person
    Edited and imputed
U All persons, including children
V          1 .White
V          2 .Black
V          3 .American Indian, Eskimo or
V            .Aleut
V          4 .Asian or Pacific Islander

D MS           1     48
    Marital status
    If marital status changed during any
    month, the marital status shown is the
    status maintained for the greatest part
    of the month - edited and imputed
U Persons 15 years old or older
```

```
DATA        SIZE  BEGIN

V          0 .Not a sample person in this
             .month
V          1 .Married, spouse present
V          2 .Married, spouse absent
V          3 .Widowed
V          4 .Divorced
V          5 .Separated
V          6 .Never married

D PNSP         3     49
    Person number of spouse
U Persons 15 years old or older
V        000 .Not a sample person in this
V            .month
V        999 .Not applicable

D PNPT         3     52
    Person number of parent
U Persons 15 years old or older
V        000 .Not a sample person in this
V            .month
V        999 .Not applicable

D HIGRADE      2     55
    What is the highest grade or year of
    regular school this person attended?
U Persons 15 years old or older
V         00 .Not applicable if under 15,
V            .did not attend or attended only
V            .kindergarten
V    01 - 08 .Elementary
V    09 - 12 .High school
V    21 - 26 .College

D GRD-CMPL     1     57
    Did he/she complete that grade
U Persons 15 years old or older
V          0 .Not applicable
V          1 .Yes
V          2 .No

D ETHNICTY     2     58
    Ethnic origin
U All persons, including children
V         01 .German
V         02 .English
V         03 .Irish
V         04 .French
V         05 .Italian
V         06 .Scottish
V         07 .Polish
V         08 .Dutch
V         09 .Swedish
V         10 .Norwegian
V         11 .Russian
V         12 .Ukrainian
V         13 .Welsh
V         14 .Mexican-American
V         15 .Chicano
V         16 .Mexican
V         17 .Puerto Rican
V         18 .Cuban
V         19 .Central or South American
V            .(Spanish speaking)
V         20 .Other Spanish
V         21 .Afro-American (Black or Negro)
V         30 .Another group not listed
V         39 .Don't know

D WAVE         1     60
    Wave number within Panel
```

```
DATA        SIZE  BEGIN

*********************************************
* Part A - Annual Income and Retirement     *
* Accounts                                  *
*********************************************

D TM8000       1     61
     Check Item T1
     Are the names of any businesses
     listed for ... on the control card?
     Range = (0:2)
U Persons 15 years of age or over
V          0 .Not applicable
V          1 .Yes - skip to TM8006
V          2 .No

D TM8002       1     62
     Check Item T2
     Were interviews obtained for ... for
     each of the 1st, 2nd, 3rd and 4th
     waves?
     Range = (0:2)
U Persons 15 years of age or over
V          0 .Not applicable
V          1 .Yes - skip to TM9330
V          2 .No

D TM8004       1     63
     Did ... own and operate a business
     at any time during calendar year 1990?
     Range = (0:2)
U Persons 15 years of age or over
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to TM9330

D TM8006       2     64
     How many different businesses did
     ... own and operate during calendar
     year 1990?
     Range = (-3:-3,00:09)
U Persons who owned and operated a
  business during 1989
V         -3 .None - skip to TM9330
V         00 .Not applicable
V      01-09 .Number of businesses

*********************************************
* Fields TMIND1-TM8020, TM8104-TM8126,      *
* TM8202-TM8222, and TM8274 apply to        *
* first business                            *
*********************************************

D TMIND1       3     66
     Three digit industry code for
     business in TM8010-TM8020
     Range = (000:999)
U Persons who owned and operated a
  business during 1989
V        000 .Not applicable

D TM8010       2     69
     Check Item T3 for business
     Transcribe ID number for this
     business from control card item 43
     Range = (-3:-3,00:09)
U Persons who owned and operated a
  business during 1989
V         -3 .Not listed on control card
V         00 .Not applicable
V      01-09 .ID number of business

DATA        SIZE  BEGIN

D TM8012       1     71
     Check Item T4 for business
     Has information about this business
     already been obtained in an inter-
     view for another household member?
     Range = (0:2)
U Persons who owned and operated a
  business during 1989
V          0 .Not universe
V          1 .Yes
V          2 .No - skip to TM8018

D TM8014       3     72
     Person number of other owner of
     business
     Range = (000:999)
U Persons who owned and operated a
  business for which information has
  already been obtained
V        000 .Not applicable
V    101-999 .Person number

D TM8016       2     75
     Business ID number of business
     for other owner
     Range = (-3:-3,00:09)
U Persons who owned and operated a
  business for which information has
  already been obtained
V         -3 .None - skip to TM8274
V         00 .Not applicable
V      01-09 .ID number of business -
V            .skip to TM8274

D TM8126       1     77
     Check Item T7 for business
     Is "sole proprietorship" marked in
     TM8018?
     Range = (0:2)
U Persons who owned and operated a
  business
V          0 .Not applicable
V          1 .Yes - skip to TM8274
V          2 .No

*********************************************
* The next two fields are possible          *
* answers to the question:                  *
*                                           *
* What was ...'s net income from this       *
* (business/practice) in 1990?              *
*********************************************

D TM8204       2     78
     Indication of loss
     Range = (-4:-4,00:00)
U Persons who owned and operated a business
V         00 .Not applicable
V         -4 .Lost money - enter loss in
V            .TM8202 and skip to TM8208

D TM8208       1     80
     Check Item T8 for business
     Were any other household members
     part owners of this business?
     Range = (0:2)
U Persons who owned and operated a business
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to TM8274
```

```
DATA        SIZE  BEGIN

D TM8210      2     81
     Apart from the net income already
     reported for ..., did (other house-
     hold owners) receive any net income
     in 1990 from this (business/practice)?
     Range = (-1:02)
U Persons who owned and operated a business
  with other household members as part
  owners
V         -1 .DK - skip to TM8274
V         00 .Not applicable
V         01 .Yes
V         02 .No - skip to TM8274

*********************************************
* The next six fields are possible          *
* answers for the person numbers indicated *
* to the question:                          *
*                                           *
* What was the amount of net income         *
* that was received by (other household     *
* owners)?                                  *
*********************************************

D TM8212      3     83
     Person number of first co-owner of
     business
     Range = (000:999)
U Persons who owned and operated a business
  with other household members who received
  income from business
V        000 .Not applicable
V    101-999 .Person number

D TM8216      2     86
     Indication of loss for business
     for first co-owner
     Range = (-4:-4,00:00)
U Persons who owned and operated a business
  with other household members who received
  income from business
V         -4 .Lost money
V         00 .Not applicable

D TM8218      3     88
     Person number of second co-owner of
     business
     Range = (000:000,101:999)
U Persons who owned and operated a business
  with second co-owner
V        000 .Not applicable
V    101-999 .Person number

D TM8222      2     91
     Indication of loss for business
     for second co-owner
     Range = (-4:-4,00:00)
U Persons who owned and operated a business
  with second co-owner
V         -4 .Lost money
V         00 .Not applicable

D TM8274      1     93
     Check Item T9
     Is another business?
     Range = (0:2)
U Persons who owned and operated a business
  with other household owners
V          0 .Not applicable
V          1 .Yes
V          2 .No - Go to TM9330

DATA        SIZE  BEGIN

*********************************************
* Fields TMIND2-TM8070, TM8154-TM8176, and *
* TM8262-TM8272 apply to the second        *
* business                                  *
*********************************************

D TMIND2      3     94
     Three digit industry code for
     business in TM8060-TM8070
     Range = (000:999)
U Persons who owned and operated a second
  business
V        000 .Not applicable

D TM8060      2     97
     Check Item T3 for business
     Transcribe ID number for this
     business from control card item 43
     Range = (-3:-3,00:09)
U Persons who owned and operated a second
  business
V         -3 .Not listed on control card
V         00 .Not applicable
V      01-09 .ID number of business

D TM8062      1     99
     Check Item T4 for business
     Has information about this business
     already been obtained in an inter-
     view for another household member?
     Range = (0:2)
U Persons who owned and operated a second
  business
V          0 .Not universe
V          1 .Yes
V          2 .No - skip to TM8068

D TM8064      3    100
     Person number of other owner of
     business
     Range = (000:000,101:999)
U Persons who owned and operated a second
  business with other owner
V        000 .Not applicable
V    101-999 .Person number

D TM8066      2    103
     Business ID number of business
     for other owner
     Range = (-3:-3,00:09)
U Persons who owned and operated a second
  business with other owner
V         -3 .None - skip to TM8276
V         00 .Not applicable
V      01-09 .ID number of business - skip
V            .to TM8276

D TM8068      2    105
     What was the form of this (business/
     practice) - was it a sole propri-
     etorship, a partnership, or a
     corporation?
     Range = (-1:03)
U Persons who owned and operated a second
  business
V         -1 .DK
V         00 .Not applicable
V         01 .Sole proprietorship
V         02 .Partnership
V         03 .Corporation
```

```
DATA        SIZE  BEGIN

D TM8070       1     107
     Was this business primarily
     located in ...'s own home or
     somewhere else?
     Range = (0:2)
U Persons who owned and operated a second
  business
V          0 .Not applicable
V          1 .Own home
V          2 .Somewhere else

D TM8154       1     108
      Check Item T5 for business
      Is "sole proprietorship" marked in
      TM8068?
      Range = (0:2)
U Persons who owned and operated a second
  business
V          0 .Not applicable
V          1 .Yes - skip to TM8168
V          2 .No

D TM8156       2     109
     Were any other members of this
     household part owners of this
     (business/practice)?
     Range = (-1:02)
U Persons who owned and operated a second
  business that is not a sole proprietorship
V         -1 .DK - skip to TM8166
V         00 .Not applicable
V         01 .Yes
V         02 .No - skip to TM8166

*******************************************
* The next two fields (TM8158 and         *
* TM8160) are person numbers in answer    *
* to the question:                        *
*                                         *
* Which other household members were      *
* owners?                                 *
*******************************************

D TM8158       3     111
     Range = (000:000,101:999)
U Persons who owned and operated a second
  business with other household members
V        000 .Not applicable
V    101-999 .Person number

D TM8160       3     114
     Range = (000:000,101:999)
U Persons who owned and operated a second
  business with other household members
V        000 .Not applicable
V    101-999 .Person number

D TM8162       1     117
     Was this (business/practice) owned
     entirely by members of this household?
     Range = (0:2)
U Persons who owned and operated a second
  business with other household members
V          0 .Not applicable
V          1 .Yes - skip to TM8166
V          2 .No

D TM8164       2     118
     What percentage of this (business/
     practice) was owned by members of
     this household?
     Range = (-1:99)

DATA        SIZE BEGIN

U Persons who owned and operated a second
  business not owned entirely by members
  of this household
V         -1 .DK
V         00 .Not applicable
V      01-99 .Percent owned by household

D TM8166       2     120
     What percentage of this (business/
     practice) did ... own in ...'s own
     name?
     Range = (-1:99)
U Persons who owned and operated a second
  business not owned entirely by members
  of this household
V         -1 .DK
V         00 .Not applicable
V      01-99 .Percent owned by ...

D TM8176       1     122
     Check Item T7 for business one
     Is "sole proprietorship" marked in
     TM8018?
     Range = (0:2)
U Persons who owned and operated a second
  business
V          0 .Not applicable
V          1 .Yes - skip to TM8276
V          2 .No

*******************************************
* The next two fields are possible        *
* answers to the question:                *
*                                         *
* What was ...'s net income from this     *
* (business/practice) in 1990?            *
*******************************************

D TM8254       2     123
     Range = (-4:-4,00:00)
U Persons who owned and operated a second
  business
V         00 .Not applicable
V         -4 .Lost money - enter loss in
V            .TM8252 and skip to TM8258

D TM8258       1     125
     Check Item T8 for business
     Were any other household members
     part owners of this business?
     Range = (0:2)
U Persons who owned and operated a second
  business
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to TM8276

D TM8260       2     126
     Apart from the net income already
     reported for ..., did (other household
     owners) receive any net income in
     1990 from this (business/practice)?
     Range = (-1:-1,00:02)
U Persons who owned and operatd a second
  business with other household owners
V         -1 .DK - skip to TM8276
V         00 .Not applicable
V         01 .Yes
V         02 .No - skip to TM8276
```

```
DATA          SIZE  BEGIN

*********************************************
* The next six fields are possible          *
* answers for the person numbers indicated *
* to the question:                          *
*                                           *
* What was the amount of net income         *
* that was received by (other household     *
* members)?                                 *
*********************************************

D TM8262        3     128
     Person number of first co-owner of
     business
     Range = (000:000,101:999)
U Persons who owned and operated a second
  business with other household owners who
  received income from business
V         000 .Not applicable
V     101-999 .Person number

D TM8266        2     131
     Indication of loss for business
     for first co-owner
     Range = (-4:-4,00:00)
U Persons who owned and operated a second
  business with other household owners who
  received income from business
V          -4 .Lost money
V          00 .Not applicable

D TM8268        3     133
     Person number of second co-owner of
     business
     Range = (000:000,101:999)
U Persons who owned and operated a second
  business with second co-owner
V         000 .Not applicable
V     101-999 .Person number

D TM8272        2     136
     Indication of loss for business
     for second co-owner
     Range = (-4:-4,00:00)
U Persons who owned and operated a second
  business with second co-owner
V          -4 .Lost money
V          00 .Not applicable

D TM8276        1     138
     Check Item T10
     Is the number of businesses marked
     in TM8006 three or more?
     Range = (0:2)
U Persons who owned and operated a second
  business
V           0 .Not applicable
V           1 .Yes
V           2 .No - skip to TM8282

*********************************************
* The next two fields are possible          *
* answers to the question:                  *
*                                           *
* What was ...'s net income from ...'s      *
* other businesses in 1990?                 *
*********************************************

D TM8280        2     139
     Indication of loss
     Range = (-4:-4,00:00)
U Persons who owned and operated more than
  two businesses
V          -4 .Lost money
V          00 .Not applicable

DATA          SIZE  BEGIN

D TM9330        2     141
     Does ... have an individual retirement
     account - an IRA - in ...'s own name?
U Persons 15 years of age or over
V          -1 .DK - skip to TM9358
V          00 .Not applicable
V          01 .Yes
V          02 .No - skip to TM9358

D TM9332        2     143
     Did ... make any contributions to IRA
     accounts which applied to ...'s 1990
     tax return?
U Persons with IRA in own name
V          -1 .DK - skip to TM9336
V          00 .Not applicable
V          01 .Yes
V          02 .No - skip to TM9336

D TM9336        2     145
     Did ... make any withdrawals from
     ...'s IRA accounts during 1990?
U Persons with IRA in own name
V          -1 .DK - skip to TM9340
V          00 .Not applicable
V          01 .Yes
V          02 .No - skip to TM9340

D TM9342        1     147
     Certificates of deposit or other
     savings certificates
     Range = (0:1)
U Persons with IRA in own name

D TM9344        1     148
     Money market funds
     Range = (0:1)
U Persons with IRA in own name

D TM9346        1     149
     U.S. government securities
     Range = (0:1)
U Persons with IRA in own name

D TM9348        1     150
     Municipal or corporate bonds
     Range = (0:1)
U Persons with IRA in own name

D TM9350        1     151
     U.S. Savings Bonds
     Range = (0:1)
U Persons with IRA in own name

D TM9352        1     152
     Stocks or mutual fund shares
     Range = (0:1)
U Persons with IRA in own name

D TM9354        1     153
     Other assets
     Range = (0:1)
U Persons with IRA in own name

D TM9356        1     154
     Don't know types of assets
     Range = (0:1)
U Persons with IRA in own name
V           0 .Not applicable
V           1 .DK
```

```
DATA          SIZE  BEGIN

D TM9358       2     155
     Does...have a KEOGH account in ...'s
     own name?
     Range = (-1:02)
U Persons 15 years of age or over
V          -1 .DK - skip to TM9385
V           0 .Not applicable
V           1 .Yes
V           2 .No - skip to TM9385

D TM9360       2     157
     Did ... make any contributions to a
     KEOGH account which applied to ...'s
     1990 tax return?
     Range = (-1:02)
U Persons with KEOGH account in own name
V          -1 .DK - skip to TM9364
V          00 .Not applicable
V          01 .Yes
V          02 .No - skip to TM9364

D TM9364       2     159
     Did...make any withdrawals from...'s
     KEOGH accounts during 1990?
     Range = (-1:02)
U Persons with KEOGH account in own name
V          -1 .DK - skip to TM9368
V          00 .Not applicable
V          01 .Yes
V          02 .No - skip to TM9368

D TM9370       1     161
     Certificates of deposit or other
     savings certificates
     Range = (0:1)
U Persons with KEOGH account in own name

D TM9372       1     162
     Money market funds
     Range = (0:1)
U Persons with KEOGH account in own name

D TM9374       1     163
     U.S. government securities
     Range = (0:1)
U Persons with KEOGH account in own name

D TM9376       1     164
     Municipal or corporate bonds
     Range = (0:1)
U Persons with KEOGH account in own name

D TM9378       1     165
     U.S. savings bonds
     Range = (0:1)
U Persons with KEOGH account in own name

D TM9380       1     166
     Stocks or mutual fund shares
     Range = (0:1)
U Persons with KEOGH account in own name

D TM9382       1     167
     Other assets
     Range = (0:1)
U Persons with KEOGH account in own name

D TM9384       1     168
     Don't know of other assets
     Range = (0:1)
U Persons with KEOGH account in own name
V           0 .Not applicable
V           1 .DK

DATA          SIZE BEGIN

D TM9385       1     169
     Are the names of any employers listed
     for ... on the control card?
     Range = (0:2)
U Persons 15 years of age or over
V           0 .Not applicable
V           1 .Yes
V           2 .No - skip to TM9390

D TM9386       2     170
     During 1990, did ... participate in a
     salary reduction plan, sometimes called
     a 401K plan?
     Range = (-1:02)
U Persons with KEOGH plan in own name
V          -1 .DK - skip to TM9390
V          00 .Not applicable
V          01 .Yes
V          02 .No - skip to TM9390

D TMEBCNT      3     172
     Number of items with data on
     this record
     Range = (001:999)
U Persons 15 years of age or over

D EB-FILL      2     175

*********************************************
* Part B - Property and Income Taxes        *
*********************************************

D TM9390       1     177
     Check Item T26
     Has tax information for ... already
     been obtained in an interview for a
     spouse with whom ... filed a joint
     return?
     Range = (0:2)
U Persons 15 years of age or over
V           0 .Not applicable
V           1 .Yes - skip to TM9486
V           2 .No

D TM9392       1     178
     Did ... file a federal income tax
     return for 1990?
     Range = (0:2)
U Persons for whom tax information has
  not been obtained
V           0 .Not applicable
V           1 .Yes
V           2 .No - skip to TM9486

D TM9394       1     179
     Do you have a copy of the tax form
     or a worksheet that you could refer
     to for the next few questions?
     Range = (0:2)
U Persons who filed federal tax return
  for 1990
V           0 .Not applicable
V           1 .Yes
V           2 .No
```

```
DATA        SIZE  BEGIN

D TM9396      2    180
     What was ...'s filing status on ...'s
     1990 federal tax return?  Did ... file
     as -
     Range = (-1:05)
U Persons who filed federal tax return
  for 1990
V          -1 .DK
V          00 .Not applicable
V          01 .A single taxpayer?
V          02 .Married, filing a joint return?
V          03 .Married, filing separately?
V          04 .Unmarried head of household?
V          05 .Qualifying widow(er) with
V             .dependent child?

D TM9398      2    182
     What were the total number of exemptions
     claimed on ...'s tax return?
     Range = (-3:-3:-1:-1,00:30)
U Persons who filed federal tax return
  for 1990
V          -1 .DK
V          -3 .None
V          00 .Not applicable
V       01-30 .Number of exemptions

D TM9414      1    184
     Did ... claim exemptions for any
     dependents that lived outside of
     ...'s home for the entire year?
     Range = (0:2)
U Persons who filed federal tax return
  for 1990 and claimed exemptions
V           0 .Not applicable
V           1 .Yes
V           2 .No - skip to TM9420

**********************************************
* The next two fields are possible           *
* responses to the question:                 *
*                                            *
* What was the relationship of this          *
* (these) dependent(s) to ...?               *
* In each case the range of answers is:      *
* V         0 .Not applicable                *
* V         1 .Parent                        *
* V         2 .Child                         *
* V         3 .Brother/sister                *
* V         4 .Other                         *
**********************************************

D TM9416      1    185
     First dependent
     Range = (0:4)
U Persons who filed federal tax return
  for 1990 and claimed exemptions for persons
  who lived outside of household

D TM9418      1    186
     Second dependent
     Range = (0:4)
U Persons who filed federal tax return
  for 1990 and claimed exemptions for persons
  who lived outside of household

D TM9420      2    187
     Did ... file Form 1040, the long form
     or did ... file one of the short forms
     1040A or 1040EZ?
     Range = (-1:03)
U Persons who filed federal tax return
  for 1990
V          -1 .DK - skip to TM9428
V          00 .Not applicable
V          01 .Form 1040
V          02 .Form 1040A - skip to TM9428
V          03 .Form 1040EZ - skip to TM9428

**********************************************
*  The next three fields are possible        *
*  responses to the question:                *
*                                            *
* Is there any attached form on ...'s 1990   *
* tax return                                 *
*                                            *
* In each case the range of answers is:      *
*                                            *
* V        -1 .DK                            *
* V        00 .Not applicable                *
* V        01 .Yes                           *
* V        02 .No                            *
**********************************************

D TM9422      2    189
     Schedule A - itemized deductions
     Range = (-1:02)
U Persons who filed Form 1040

D TM9424      2    191
     Schedule D - capital gains and
     losses
     Range = (-1:02)
U Persons who filed Form 1040

D TM9486      1    193
     Check Item T35
     Are ...'s living quarters -
     Range = (0:3)
U Persons 15 year of age or over
V           0 .Not applicable
V           1 .Owned or being bought?
V           2 .Rented for cash? - skip to
V             .TM9610
V           3 .Occupied without cash payment?
V             . - skip to TM9610

D TM9488      1    194
     Check Item T36
     Interview status of ...'s spouse
     Range = (0:3)
U Persons with living quarters owned or
  being bought
V           0 .Not applicable
V           1 .No spouse in household
V           2 .Interview for spouse not yet
V             .conducted
V           3 .Interview for spouse already
V             .conducted - skip to TM9610

D TM9490      1    195
     Did ... pay any property taxes on ...'s
     residence(s) in 1990?
     Range = (0:2)
U Persons with living quarters owned or
  being bought
V           0 .Not applicable
V           1 .Yes
V           2 .No - skip to TM9610

D TM9492      1    196
     Did ... pay these jointly with some-
     else living here?
     Range = (0:2)
U Persons who paid property taxes in 1990
V           0 .Not applicable
V           1 .Yes
V           2 .No - skip to TM9498
```

```
DATA        SIZE  BEGIN

********************************************
* The next two fields are possible          *
* responses to the question:                *
*                                           *
* Who made these joint payments with ...?   *
*                                           *
* Each case the range of answers is:        *
* V      000 .Not applicable                *
* V  101-999 .Person number                 *
********************************************

D TM9494      3     197
     Person one
     Range = (000:000,101:999)
U Persons who made joint payments on
  property taxes in 1990

D TM9496      3     200
     Person two
     Range = (000:000,101:999)
U Persons who made joint payments on
  property taxes in 1990

D TM9498      2     203
     What was the property tax bill for
     ...'s residence(s) in 1990?
     Range = (-2:17)
U Persons who made joint payments on
  property taxes in 1990
V         -1 .DK
V         -2 .Refused
V          0 .Not applicable
V          1 .Amount < $100
V          2 .Amount from $100 to $199
V          3 .Amount from $200 to $299
V          4 .Amount from $300 to $399
V          5 .Amount from $400 to $499
V          6 .Amount from $500 to $599
V          7 .Amount from $600 to $699
V          8 .Amount from $700 to $799
V          9 .Amount from $800 to $899
V         10 .Amount from $900 to $999
V         11 .Amount from $1000 to $1099
V         12 .Amount from $1100 to $1199
V         13 .Amount from $1200 to $1299
V         14 .Amount from $1300 to $1499
V         15 .Amount from $1500 to $1799
V         16 .Amount from $1800 to $2099
V         17 .Amount of $2100 or more

D TMPICNT     2     205
     Number of items with data on
     this record
     Range = (01:99)

D PIT-FILL    2     207

D TM9610      1     209
     Was ... enrolled in school anytime
     during the past year? (include any
     regular school, such as elementary,
     high school, or college, or any
     vocational, technical or business
     school.)
     Range = (0:2)
U All persons
V          0 .Not applicable
V          1 .Yes
V          2 .No - End of interview

DATA        SIZE  BEGIN

D TM9612      2     210
     At what level or grade was...
     enrolled(if enrolled at more than
     one level in the past year, check
     level in which greatest amount of
     time was spent.)
     Range = (00:12)
U All persons enrolled in school
V         00 .Not applicable
V         01 .Elementary grades 1-8
V         02 .High school grades 9-12
V         03 .College year 1
V         04 .College year 2
V         05 .College year 3
V         06 .College year 4
V         07 .College year 5
V         08 .College year 6+
V         09 .Vocational school
V         10 .Technical school
V         11 .Business school
V         12 .Other or DK

D TM9614      1     212
     Check item T37
     Was ... enrolled in elementary school
     or high school?
     Range = (0:2)
U All persons enrolled in school
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to TM9618

D TM9616      1     213
     Was ... enrolled in a public school?
     Range = (0:2)
U Persons enrolled in elementary or high
  school
V          0 .Not applicable
V          1 .Yes - End of interview
V          2 .No

D TM9618      5     214
     During the past year what was the
     total cost of ...'s tuition and fees?
U Persons enrolled in other than
  public school
V    1-04000 .Dollars in school costs
V      04500 .Amount from $4000 to $4999
V      05500 .Amount from $5000 to $5999
V      07000 .Amount from $6000 or more

D TM9620      4     219
     What was the total cost of ...'s
     books and supplies?
     Range = (-003:-003, -001:-001,
              0000:9999)
U Persons enrolled in other than
  public school
V       0000 .Not applicable
V  0001-9999 .Dollars in school costs
V       -001 .Don't know
V       -003 .None

D TM9622      1     223
     Did ... live away from home while
     attending school?
     Range = (0:2)
U Persons enrolled in other than
  public school
V          0 .Not applicable
V          1 .Yes
V          2 .No - skip to TM9626
```

```
DATA         SIZE  BEGIN

D TM9624       5     224
     What was the total cost for room and
     board while away at school?
     Range = (00000:99999)
U Persons enrolled in other than public
  school and living away from home
V       00000 .Not applicable
V     1-99999 .Dollars in school costs

*********************************************
* COMMENT                                   *
*    The next twenty-five fields            *
*    (TM9626-TM9674) are possible res-      *
*    ponses to the question:                *
*    Please look at this card and tell      *
*    me if ... received any of these types *
*    of educational assistance during the  *
*    past year.                             *
*                  and                      *
*    How much did ... receive?              *
*********************************************

D TM9626       2     229
     Any type of educational assistance
     received
     Range = (-3:-3,00:00)
U Persons enrolled in other than public
  school
V          00 .Not applicable
V          -3 .None - End of interview

D TM9628       1     231
     The GI bill?
     Range = (0:1)
U Persons enrolled in other than public
  school who received educational
  assistance
V           0 .Not marked as received
V             .or not applicable
V           1 .Received

D TM9630       4     232
     Amount received from GI bill
U Persons enrolled in other than public
  school who received educational
  assistance from the GI bill
V  000 - 100 .Percent of total assistance

D TM9632       1     236
     Other veteran's educational assis-
     tance programs? (Include survivors
     and dependents, vocational rehabili-
     tation and post-Vietnam veterans
     assistance.)
     Range = (0:1)
U Persons enrolled in other than public
  school who received educational
  assistance
V           0 .Not marked as received
V             .or not applicable
V           1 .Received

D TM9634       5     237
     Amount received from veteran's
     programs
U Persons enrolled in other than public
  school who received educational
  assistance from veteran's programs
V  000 - 100 .Percent of total assistance

D TM9636       1     242
     College work study program?
     Range = (0:1)
U Persons enrolled in other than public
  school who received educational
  assistance
V           0 .Not marked as received
V             .or not applicable
V           1 .Received

D TM9638       4     243
     Amount received from college work
     study program
U Persons enrolled in other than public
  school who received educational
  assistance from college work study
  program
V  000 - 100 .Percent of total assistance

D TM9640       1     247
     A Pell grant?
     Range = (0:1)
U Persons enrolled in other than public
  school and received educational
  assistance
V           0 .Not marked as received
V             .or not applicable
V           1 .Received

D TM9642       4     248
     Amount received from Pell grant
U Persons enrolled in other than public
  school who received educational
  assistance from Pell grant
V  000 - 100 .Percent of total assistance

D TM9644       1     252
     A Supplemental Educational
     Opportunity Grant(SEOG)
     Range = (0:1)
U Persons enrolled in other than public
  school and received educational
  assistance
V           0 .Not marked as received
V             .or not applicable
V           1 .Received

D TM9646       4     253
     Amount received from SEOG
U Persons enrolled in other than public
  school who received educational
  assistance from SEOG
V  000 - 100  .Percent of total assistance

D TM9648       1     257
     A national direct student loan?
     Range = (0:1)
U Persons enrolled in other than public
  school who received educational
  assistance
V           0 .Not marked as received
V             .or not applicable
V           1 .Received

D TM9650       4     258
     Amount received from a national
     direct student loan
U Persons enrolled in other than public
  school who received educational
  assistance from a national direct
  student loan
V  000 - 100  .Percent of total assistance
```

```
DATA        SIZE  BEGIN

D TM9652      1    262
     A guaranteed student loan
     Range = (0:1)
U Persons enrolled in other than public
  school who received educational
  assistance
V          0 .Not marked as received
V            .or not applicable
V          1 .Received

D TM9654      5    263
     Amount received from a guaranteed
     student loan
U Persons enrolled in other than public
  school who received educational
  assistance from a guaranteed student loan
V  000 - 100 .Percent of total assistance

D TM9656      1    268
     A JTPA training program
     Range = (0:1)
U Persons enrolled in other than public
  school who received educational
  assistance
V          0 .Not marked as received
V            .or not applicable
V          1 .Received

D TM9658      4    269
     Amount received from JTPA
U Persons enrolled in other than public
  school who received educational
  assistance from JTPA
V  000 - 100 .Percent of total assistance

D TM9660      1    273
     Employer assistance
     Range = (0:1)
U Persons enrolled in other than public
  school who received educational
  assistance
V          0 .Not marked as received
V            .or not applicable
V          1 .Received

D TM9662      5    274
     Amount of employer assistance
U Persons enrolled in other than public
  school who received educational
  assistance from employer
V  000 - 100 .Percent of total assistance

D TM9664      1    279
     A fellowship or scholarship?
     Range = (0:1)
U Persons enrolled in other than public
  school who received educational
  assistance
V          0 .Not marked as received
V            .or not applicable
V          1 .Received

D TM9666      5    280
   Amount of fellowship or scholarship
U Persons enrolled in other than public
  school who received fellowship or
  scholarship
V  000 - 100 .Percent of total assistance

DATA        SIZE BEGIN

D TM9668      1    285
     A tuition reduction?
     Range = (0:1)
U Persons enrolled in other than public
  school who received educational
  assistance
V          0 .Not marked as received
V             .or not applicable
V          1 .Received

D TM9670      4    286
     Amount received from tuition
     reduction
U Persons enrolled in other than public
  school who received tuition
  reduction
V  000 - 100 .Percent of total assistance

D TM9672      1    290
     Anything else (other than assistance
     from relatives and friends)?
     Range = (0:1)
U Persons enrolled in other than public
  school who received educational
  assistance
V          0 .Not marked as received
V            .or not applicable
V          1 .Received

D TM9674      5    291
     Amount of educational assistance
     from other sources
U Persons enrolled in other than public
  school who received educational
  assistance from other sources
V  000 - 100 .Percent of total assistance

D TMETCNT     2    296
     Number of items with data on
     this record
V      01-99 .Number of items

*********************************************
*          Imputation flags                 *
*********************************************

D TM-IFC1     1    298
     Part C imputation flag #01
     Imputation flag for field 'TM9612'
V          0 .Not imputed
V          1 .Imputed

D TM-IFC2     1    299
     Part C imputation flag #02
     Imputation flag for field 'TM9616'
V          0 .Not imputed
V          1 .Imputed

D TM-IFC3     1    300
     Part C imputation flag #03
     Imputation flag for field 'TM9618'
V          0 .Not imputed
V          1 .Imputed

D TM-IFC4     1    301
     Part C imputation flag #04
     Imputation flag for field 'TM9620'
V          0 .Not imputed
V          1 .Imputed
```

```
DATA        SIZE  BEGIN

D TM-IFC5     1    302
     Part C imputation flag #05
     Imputation flag for field 'TM9622'
V          0 .Not imputed
V          1 .Imputed

D TM-IFC6     1    303
     Part C imputation flag #06
     Imputation flag for field 'TM9624'
V          0 .Not imputed
V          1 .Imputed

D TM-IFC7     1    304
     Part C imputation flag #07
     Imputation flag for field 'TM9630'
V          0 .Not imputed
V          1 .Imputed TM9630

D TM-IFC8     1    305
     Part C imputation flag #08
     Imputation flag for field 'TM9634'
V          0 .Not imputed
V          1 .Imputed TM9634

D TM-IFC9     1    306
     Part C imputation flag #09
     Imputation flag for field 'TM9638'
V          0 .Not imputed
V          1 .Imputed TM9638

D TM-IFC10    1    307
     Part C imputation flag #10
     Imputation flag for field 'TM9642'
V          0 .Not imputed
V          1 .Imputed TM9642

D TM-IFC11    1    308
     Part C imputation flag #11
     Imputation flag for field 'TM9646'
V          0 .Not imputed
V          1 .Imputed TM9646

D TM-IFC12    1    309
     Part C imputation flag #12
     Imputation flag for field 'TM9650'
V          0 .Not imputed
V          1 .Imputed TM9650
```

```
DATA        SIZE  BEGIN

D TM-IFC13    1    310
     Part C imputation flag #13
     Imputation flag for field 'TM9654'
V          0 .Not imputed
V          1 .Imputed TM9654

D TM-IFC14    1    311
     Part C imputation flag #14
     Imputation flag for field 'TM9658'
V          0 .Not imputed
V          1 .Imputed TM9658

D TM-IFC15    1    312
     Part C imputation flag #15
     Imputation flag for field 'TM9662'
V          0 .Not imputed
V          1 .Imputed TM9662

D TM-IFC16    1    313
     Part C imputation flag #16
     Imputation flag for field 'TM9666'
V          0 .Not imputed
V          1 .Imputed TM9666

D TM-IFC17    1    314
     Part C imputation flag #17
     Imputation flag for field 'TM9670'
V          0 .Not imputed
V          1 .Imputed TM9670

D TM-IFC18    1    315
     Part C imputation flag #18
     Imputation flag for field 'TM9674'
V          0 .Not imputed
V          1 .Imputed TM9674

D TMTEDFIN    4    316
     Total amount of educational assistance
     during the past year.
V  0001-4000 .Amount of assistance
V       4500 .Amount from $4000 - $4999
V       5500 .Amount from $5000 - $5999
V       7000 .Amount $6000 or more

D FILLER      1    320
     Zero filler
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SOURCE AND ACCURACY STATEMENT FOR THE 1990 PUBLIC USE FILES FROM THE SURVEY OF INCOME AND PROGRAM PARTICIPATION

SOURCE OF DATA

The data were collected in the 1990 panel of the Survey of Income and Program Participation (SIPP). The SIPP universe is the noninstitutionalized resident population living in the United States. The population includes persons living in group quarters, such as dormitories, rooming houses, and religious group dwellings. Crew members of merchant vessels, Armed Forces personnel living in military barracks, and institutionalized persons, such as correctional facility inmates and nursing home residents, were not eligible to be in the survey. Also, United States citizens residing abroad were not eligible to be in the survey. Foreign visitors who work or attend school in this country and their families were eligible; all others were not eligible to be in the survey. With the exceptions noted above, persons who were at least 15 years of age at the time of the interview were eligible to be in the survey.

The 1990 panel of the SIPP sample is located in 230 Primary Sampling Units (PSUs) each consisting of a county or a group of contiguous counties. Within these PSUs, expected clusters of 2 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 clusters of 4 LQs were subsampled. In addition, sample LQs were selected from supplemental frames that included LQs identified as missed in the 1980 Census and persons residing in group quarters at the time of the Census.

The 1990 panel differs from the other panels as a result of oversampling for low income. The oversample was constructed by taking a small subsample from the 1989 panel, and combing it with the 1990 panel. Variables such as race, ethnicity, and sex were used for the oversampling since low income data for 1989 panel households were unavailable. The 1989 panel subsample contains all Black Headed Households, all Hispanic Headed Households, all Households with Heads having no spouse present, living with relatives, and a random sample of all the other Household types. The latter random sample was done in an attempt to avoid bias in the sample.

Approximately 28,300 living quarters were designated for the 1990 panel. For Wave 1 of the 1990 panel, interviews were obtained from the occupants of about 21,900 of the 28,300 designated living quarters. Most of the remaining 6,400 living quarters in

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the 1990 panel were found to be vacant, demolished, converted to nonresidential use, or otherwise ineligible for the survey. However, approximately 1,700 of the 6,400 living quarters in the 1990 panel were not interviewed because the occupants refused to be interviewed, could not be found at home, were temporarily absent, or were otherwise unavailable. Thus, occupants of about 93 percent of all eligible living quarters participated in Wave 1 of the Survey for the 1990 panel. Sample loss at Wave 1 of the 1990 Panel was about 7.1% and is expected to increase to roughly 22.0% at the end of Wave 8.

For Waves 2-8, 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 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 a given panel are divided into four subsamples of nearly equal size. These subsamples are called rotation groups 1, 2, 3, or 4 and one rotation group is interviewed each month. Each household in the sample was scheduled to be interviewed at 4 month intervals over a period of roughly 2 years beginning in February 1990. The reference period for the questions is the 4-month period preceding the interview month. In general, one cycle of four interviews covering the entire sample, using the same questionnaire, is called a wave.

A unique feature of the SIPP design is overlapping panels. The overlapping design allows panels to be combined and essentially doubles the sample sizes. However, the 1990 panel is designed so that the first three waves do not overlap with other panels. (The 1988 and 1989 panels were prematurely terminated to provide the funding needed to enlarge the 1990 panel and allow oversampling to take place.) After the third wave, the 1990 panel overlaps with the 1991 panel. Selected interviews for the 1990 panel can be combined with interviews from the 1991 panel. Information necessary to do this is included later in this statement.

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

Tables 3 and 4 indicate the reference months and interview months for the collection of data from each rotation group for the 1990 and 1991 panels respectively. For example, Wave 1 rotation group 2 of the 1990 panel was interviewed in February 1990 and data for the reference months October 1989 through January 1990 were collected.

Estimation. The estimation procedure used to derive SIPP person weights involved several stages of weight adjustments. Each person received a base weight equal to the inverse of his/her probability of selection. A noninterview adjustment factor was applied to the weight of every occupant of interviewed households to account for households which were eligible for the sample but were not interviewed. (Individual nonresponse within partially interviewed households was treated with imputation. No special adjustment was made for noninterviews in group quarters.) A factor was applied to each interviewed person's weight to account for the SIPP sample areas not having the same population distribution as the strata from which they were selected.

An additional stage of adjustment to persons' weights was performed to reduce the mean square error of the survey estimates by ratio adjusting SIPP sample estimates to monthly Current Population Survey (CPS) estimates[1] of the civilian (and some military) noninstitutional population of the United States by age, race, Spanish origin, sex, type of householder (married, single with relatives, single without relatives), and relationship to householder (spouse or other). The CPS estimates were themselves brought into agreement with estimates from the 1980 decennial census which were adjusted to reflect births, deaths, immigration, emigration, and changes in the Armed Forces since 1980. Also, an adjustment was made so that a husband and wife within the same household were assigned equal weights.

Use of Weights. Users should be forewarned to apply the appropriate weights given on this file before attempting to calculate estimates. The weights vary between units due to the oversampling that took place. If analysis is done for the general population without applying the appropriate weights, the results will be erroneous. Each household and each person within each household on each wave tape has five weights. Four of these weights are reference month specific and therefore can be used only to form reference month estimates. Reference month estimates can be averaged to form estimates of monthly averages over some period of time. For example, using the proper weights, one can estimate the monthly average number of households in a specified income range over November and December 1990. To estimate monthly averages of a given measure (e.g., total, mean) over a number of consecutive months, sum the monthly estimates and divide by the number of months.

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[1] These special CPS estimates are slightly different from the published monthly CPS estimates. The differences arise from forcing counts of husbands to agree with counts of wives.

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

To form an estimate for a particular month, use the reference month weight for the month of interest, summing over all persons or households with the characteristic of interest whose reference period includes the month of interest. Multiply the sum by a factor to account for the number of rotations contributing data for the month. This factor equals four divided by the number of rotations contributing data for the month. For example, December 1989 data is only available from rotations 2, 3, and 4 for Wave 1 of the 1990 panel (See table 3), so a factor of 4/3 (See Table 7) must be applied. To form an estimate for an interview month, use the procedure discussed above using the interview month weight provided on the file.

When estimates for months without four rotations worth of data are constructed from a wave file, factors greater than 1 must be applied. However, when core data from consecutive waves are used together, data from all four rotations may be available, in which case the factors are equal to 1.

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

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

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

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

The same procedure applies when creating estimates for particular identified MSA's or CMSA's--apply the factor appropriate to the state. For multi-state MSA's, use the factor appropriate to each state part. For example, to tabulate data for the Washington, DC-MD-VA MSA, apply the Virginia factor of 1.0521 to weights for residents of the Virginia part of the MSA; Maryland and DC residents require no modification to the weights (i.e., their factors equal 1.0).

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

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

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

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

1. Combining Separate Estimates

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

$$\hat{J} = W\hat{J}_1 + (1-W)\hat{J}_2 \qquad \text{(A)}$$

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

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

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

W = weighting factor of the earlier panel.

To combine the 1990 and 1991 panels use a W value of 0.608 unless one of the panels contributes no information to the estimate. In that case, the panel contributing information receives a factor of 1. The other receives a factor of zero.

2. Combining Data from Separate Files

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

Illustration for computing combined panel estimate.

Suppose SIPP estimates for Wave 5 of the 1990 panel show that there were 441,000 households with monthly December income above $6000. Also, suppose SIPP estimates for Wave 2 of the 1991 panel show that there were 435,000 households with monthly December income above $6000. Using formula (A), the joint level estimate is

$$\hat{J} = (0.608)(441,000) + (0.392)(435,000)$$

$$= 438,648$$

ACCURACY OF THE ESTIMATES

SIPP estimates obtained from public use files 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. The magnitude of SIPP sampling error can be estimated, but this is not true of nonsampling error. Found below are descriptions of sources of SIPP nonsampling error, followed by discussions of sampling error, its estimation, and its use in data analysis. More detailed discussions of the existence and control of nonsampling errors in the SIPP can be found in the Quality Profile for the Survey of Income and Program Participation, May 1990, by Jabine, assisted by King and Petroni.

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 to represent all units within the universe (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 different characteristics than the interviewed persons in the same age-race-Spanish origin-sex group. Further, the independent population controls used have not be adjusted for undercoverage.

Some respondents do not respond to some of the questions. Therefore, the overall nonresponse rate for some items such as income and other money related items is higher than the nonresponse rates presented on page 2. The Bureau uses complex techniques to adjust the weights for nonresponse, but the success of these techniques in avoiding bias is unknown.

Comparability With Other Statistics. Caution should be exercised when comparing data from these files with data from other SIPP products or with data from other surveys. The comparability problems are caused by sources such as the seasonal patterns for many characteristics, definitional differences, and different nonsampling errors.

Sampling Variability. Standard errors indicate the magnitude of the sampling variability. 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.

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 parameters using sample estimates. The most common types of hypotheses tested are 1) the population parameters 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 parameters are different when, in fact, they are identical.

To perform the most common hypothesis test, compute the difference $X_A - X_B$, where X_A and X_B are sample estimates of the parameters 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 parameters 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 parameters are different. Of course, sometimes this conclusion will be wrong. When the parameters are, in fact, the same, there is a 10 percent chance of concluding that they are different.

Note when using small estimates. Because of the large standard errors involved, there is little chance that summary measures would reveal useful information when computed on a smaller base than 200,000. Also, care must be taken in the interpretation of small differences. For instance, in case of a borderline difference, even a small amount of nonsampling error can lead to a wrong decision about the hypotheses, thus distorting a seemingly valid hypothesis test.

Standard Error Parameters and Tables and Their Use. Most SIPP estimates have greater standard errors than those obtained through a simple random sample because clusters of living quarters are sampled. 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. These "a" and "b" parameters are used in estimating standard errors and vary by type of estimate and by subgroup to which the estimate applies. Table 6 provides base "a" and "b" parameters to be used for estimates obtained from core data and for some estimates from topical module data. **These parameters are considered preliminary. Revised parameters are soon to follow.**

The factors provided in table 7 when multiplied by the base parameters of table 6 for a given subgroup and type of estimate give the "a" and "b" parameters for that subgroup and estimate type for the specified reference period. For example, the base "a" and "b" parameters for total number of households are -0.0000664 and 6,043, respectively. For Wave 1 the factor for October 1989 is 4.0000 since only 1 rotation month of data is available. So, the "a" and "b" parameters for total household income in October 1989 based on Wave 1 are -0.0002656 and 24,172, respectively. Also for Wave 1, the factor for the first quarter of 1990 is 1.2222 since 9 rotation months of data are available (rotations 1 and 4 provide 3 rotations months each, while rotations 2 and 3 provide 1 and 2 rotation months, respectively). So, the "a" and "b" parameters for total number of households in the first quarter of 1990 are -0.0000812 and 7,386, respectively for Wave 1.

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

For those users who wish further simplification, we have also provided preliminary general standard errors in tables 8 through 11 for making estimates with the use of data from all four rotations. Note that these standard errors must be adjusted by a factor (f) from table 6. The standard errors resulting from this simplified approach are less accurate. Methods for using these parameters and tables for computation of standard errors are given in the following sections. Standard errors provided in tables 8 through 11 will change when revised parameters are available.

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

For calculating 1990 topical module variances, table 12 is designated to later provide base "a" and "b" parameters. Table 13 also in the near future will provide base "a" and "b" parameters for computing the 1990, 1991 combined panel topical module variances. These parameters will also be provided when revised generalized variance parameters are available.

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

Standard Errors of estimated numbers. The approximate standard error, s_x, of an estimated number of persons, households, families, unrelated individuals and so forth, can be obtained in two ways. Both apply when data from all four rotations are used to make the estimate. However, only the second method should be used when less than four rotations of data are available for the estimate. Note that neither method should be applied to dollar values.

It may be obtained by the use of the formula

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

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

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

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

<u>Illustration.</u>

Suppose SIPP estimates for Wave 1 of the 1990 panel show that there were 472,000 households with monthly household income above $6,000. The appropriate parameters and factor from table 6 and the appropriate general standard error from table 8 are

a = -0.0000664 b = 6,043 f = 1.00 s = 53,300

Using formula 1, the approximate standard error is

s_x = 53,300

Using formula 2, the approximate standard error is

$$\sqrt{(-0.0000664)(472,000)^2 + (6,043)(472,000)} = 53,300$$

Using the standard error based on formula 2, the approximate 90-percent confidence interval as shown by the data is from 387,000 to 557,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90% of all samples.

<u>Illustration for computing standard errors for combined panel estimates.</u> Will be provided when combining factors are available.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

When forming combined estimates using formula (A), s^2, given by formula (4), should be calculated by forming a distribution for each panel. The range of values for the item will be divided into intervals. Combined estimates for each interval can be obtained using formula (A). Formula (4) can be applied to the combined distribution. To calculate $\bar{x}$ and s^2 given by formula (5), replace x_i by Wx_i for x_i from the earlier panel and $(1-W)x_i$ for x_i from the later panel.

Illustration.

Suppose that based on Wave 1 data, the distribution of monthly cash income for persons age 25 to 34 during the month of January 1988 is given in table 14.

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

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

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

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

$$s_{\bar{x}} = \sqrt{\left(\frac{4,890}{39,851,000}\right)(3,159,887)} = \$20$$

Standard error of an aggregate. An aggregate is defined to be the total quantity of an item summed over all the units in a group. The standard error of an aggregate can be approximated using formula 6.

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

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

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

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

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

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

when data from all four rotations are used to estimate p. In this formula, f is the appropriate "f" factor from table 6 and s is the standard error of the estimate from table 10 or 11.

Alternatively, it may be approximated by the formula

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

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

Illustration.

Suppose that, in the month of January 1990, 6.7 percent of the 16,812,000 persons in nonfarm households with a mean monthly household cash income of $4,000 to $4,999, were black. Using formula 8 and the "b" parameter of 4,755 from table 6 and a factor of 1 for the month of January 1990 from table 7, the approximate standard error is

$$\sqrt{\frac{4,755}{(16,812,000)}\,(6.7)\,(100-6.7)} = 0.42 \textit{percent}$$

consequently, the 90 percent confidence interval as shown by these data is from 6.0 to 7.4 percent.

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

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

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

$$p_I = 100\ (\hat{p}_A\,\overline{X}_A\ /\ \overline{X}_N)$$

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

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

where s_p is the standard error of $\hat{p}_A$, s_A is the standard error of $\bar{x}_A$ and s_B is the standard error of $\bar{x}_N$. To calculate s_p, use formula 8. 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 $\hat{p}_A$, $\bar{x}_N$, and $\bar{x}_A$. Depending on the magnitude and sign of the correlations, the standard error will be over or underestimated.

Illustration.

Suppose that in January 1990, 9.8% of the households own rental property, the mean value of rental property is $72,121, the mean value of assets is $78,734, and the corresponding standard errors are 0.25%, $4678, and $2287. In total there are 86,790,000 households. Then, the percent of all household assets held in rental property is

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

Using formula (9), the appropriate standard error is

$$s_I = \sqrt{\left(\frac{(0.098)\,(72121)}{78734}\right)^2 \left[\left(\frac{0.0025}{0.098}\right)^2 + \left(\frac{4678}{72121}\right)^2 + \left(\frac{2287}{78734}\right)^2\right]}$$

$= 0.007$

$= 0.7\%$

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

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

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

Illustration.

Suppose that SIPP estimates show the number of persons age 35-44 years with monthly cash income of $4,000 to $4,999 was 3,186,000 in the month of January 1990 and the number of persons age 25-34 years with monthly cash income of $4,000 to $4,999 in the same time period was 2,619,000. Then, using parameters from table 6 and formula 2, the standard errors of these numbers are approximately 124,000 and 112,000, respectively. The difference in sample estimates is 567,000 and, using formula 10, the approximate standard error of the difference is

$$\sqrt{(124{,}000)^2 + (112{,}000)^2} = 167{,}000$$

Suppose that it is desired to test at the 10 percent significance level whether the number of persons with monthly cash income of $4,000 to $4,999 was different for persons age 35-44 years than for persons age 25-34 years. To perform the test, compare the difference of 567,000 to the product 1.6 x 167,000 = 267,200. Since the difference is greater than 1.6 times the standard error of the difference, the data show that the two age groups are significantly different at the 10 percent significance level.

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

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

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

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

3. Using the distribution of the item within the group, calculate the quantity of the item such that the percent of the group 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 item 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;

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

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

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

if Pareto Interpolation is indicated and

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

if linear interpolation is indicated, where N is the size of the group,

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

Illustration.

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

1. Using formula 8, the standard error of 50 percent on a base of 39,851,000 is about 0.6 percentage points.

2. Following step 2, the two percentages of interest are 49.4 and 50.6.

3. By examining table 14, we see that the percentage 49.4 falls in the income interval from 2000 to 2499. (Since 55.5% receive more than $2,000 per month, the dollar value corresponding to 49.4 must be between $2,000 and $2,500). Thus, A_1 = $2,000, A_2 = $2,500, N_1 = 22,106,000, and N_2 = 16,307,000.

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

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

Also by examining table 14, we see that 50.6 falls in the same income interval. Thus, A_1, A_2, N_1 and N_2 are the same. We also use Pareto interpolation for this case. So the lower bound of a 68% confidence interval for the median is

$$\$2,000 \exp\left[\left(Ln\left(\frac{(.506)(39,851,000)}{22,106,000}\right) \qquad Ln\left(\frac{16,307,000}{22,106,000}\right)\right) Ln\left(\frac{2,500}{2,000}\right)\right] = \$2137$$

Thus, the 68-percent confidence interval on the estimated median is from \$2137 to \$2177. An approximate standard error is

$$\frac{\$2177 - \$2137}{2} = \$20$$

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

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

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

SMD:DButler:sc:DBUT133

Table 1. 1990 Panel Topical Modules

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

Table 2. 1991 Panel Topical Modules for Waves 1 through 5[1]

Wave	Topical Module
1	None
2	Welfare History Recipiency History Employment History Work Disability History Education and Training History Marital History Migration History Fertility History Household Relationships
3	Work Schedule Child Care Arrangements Child Support Agreements Support for Non-household Members Functional Limitations & Disability Utilization of Health Care Services
4	Selected Financial Assets Medical Expenses & Work Disability Real Estate Shelter Costs Dependent Care Vehicles
5	Taxes Annual Income and Retirement Accounts School Enrollment and Financing

[1] Topical Modules for waves 6 through 8 are not yet available.

Table 3. Reference Months for Each Interview Month - 1990 Panel

Reference Period

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

Table 4. Reference Months for Each Interview Month - 1991 Panel

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

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

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

- indicates no metropolitan subsample is identified for the state

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

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

\- indicates no metropolitan subsample is identified for the state

Table 6: SIPP Generalized Variance Parameters for 1990 Panel Public Use File -- Preliminary *

Characteristics	Parameters a	b	f
TOTAL PERSONS			
16+ Program Participation and Benefits, Poverty (3)			
Both Sexes	-0.0000843	14344	0.90
Male	-0.0001772	14344	
Female	-0.0001604	14344	
16+ Income and Labor Force (5)			
Both Sexes	-0.0000287	4890	0.52
Male	-0.0000605	4890	
Female	-0.0000547	4890	
16+ Pension Plan ** (4)			
Both Sexes	-0.0000525	8956	0.71
Male	-0.0001108	8956	
Female	-0.0001001	8956	
All Others *** (6)			
Both Sexes	-0.0000771	17784	1.00
Male	-0.0001595	17784	
Female	-0.0001493	17784	
WHITE PERSONS			
16+ Program Participation and Benefits, Poverty (3)			
Both Sexes	-0.0000934	15898	0.95
Male	-0.0001964	15898	
Female	-0.0001778	15898	
16+ Income and Labor Force (5)			
Both Sexes	-0.0000318	5420	0.55
Male	-0.0000670	5420	
Female	-0.0000606	5420	
16+ Pension Plan ** (4)			
Both Sexes	-0.0000582	9926	0.75
Male	-0.0001228	9926	
Female	-0.0001110	9926	
All Others *** (6)			
Both Sexes	-0.0000855	19710	1.05
Male	-0.0001768	19710	
Female	-0.0001655	19710	

Table 6 cont'd. SIPP Generalized Variance Parameters for 1990 Panel Public Use File -- Preliminary *

Characteristics	Parameters		
	a	b	f
BLACK PERSONS			
Poverty (1)			
Both Sexes	-0.0003182	8843	0.71
Male	-0.0006793	8843	
Female	-0.0005987	8843	
All Others *** (2)			
Both Sexes	-0.0001723	4755	0.52
Male	-0.0003704	4755	
Female	-0.0003223	4755	
HISPANIC PERSONS			
Poverty (1)			
Both Sexes	-0.0000609	10374	0.76
Male	-0.0001282	10374	
Female	-0.0001160	10374	
All Others *** (2)			
Both Sexes	-0.0002294	4755	0.52
Male	-0.0004589	4755	
Female	-0.0006727	4755	
HOUSEHOLDS			
Total	-0.0000641	6043	1.00
White	-0.0000823	6698	1.05
Black	-0.0002888	3018	0.71
Hispanics	-0.0005290	3018	0.71

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

** 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.

*** Use the "All Others" parameter for any type of tabulation not specifically covered by another characteristic in this table.

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

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

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

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

Size of Estimate	Standard Error[1]	Size of Estimate	Standard Error
200	35	15,000	275
300	43	25,000	331
500	55	30,000	349
750	67	40,000	368
1,000	77	50,000	369
2,000	109	60,000	351
3,000	132	70,000	312
5,000	169	80,000	242
7,500	204	90,000	78
10,000	232		

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

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

Size of Estimate	Standard Error	Size of Estimate	Standard Error
200	60	50,000	835
300	73	80,000	964
600	103	100,000	1005
1,000	133	130,000	1004
2,000	188	135,000	999
5,000	295	150,000	966
8,000	371	160,000	934
11,000	432	180,000	838
13,000	467	200,000	688
15,000	499	210,000	578
17,000	529	220,000	425
22,000	595	230,000	108
26,000	641		
30,000	681		

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

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

Base of Estimated Percentage (Thousands)	Estimated Percentages[1]					
	≤ 1 or ≥ 99	2 or 98	5 or 95	10 or 90	25 or 75	50
200	1.73	2.43	3.79	5.20	7.50	8.70
300	1.41	1.99	3.09	4.26	6.20	7.10
500	1.09	1.54	2.40	3.30	4.76	5.50
750	0.89	1.26	1.96	2.69	3.89	4.49
1,000	0.77	1.09	1.69	2.33	3.37	3.89
2,000	0.55	0.77	1.20	1.65	2.38	2.75
3,000	0.45	0.63	0.98	1.35	1.94	2.24
5,000	0.35	0.49	0.76	1.04	1.51	1.74
7,500	0.28	0.40	0.62	0.85	1.23	1.42
10,000	0.24	0.34	0.54	0.74	1.06	1.23
15,000	0.20	0.28	0.44	0.60	0.87	1.00
25,000	0.15	0.22	0.34	0.47	0.67	0.78
30,000	0.14	0.20	0.31	0.43	0.61	0.71
40,000	0.12	0.17	0.27	0.37	0.53	0.61
50,000	0.11	0.15	0.24	0.33	0.48	0.55
60,000	0.10	0.14	0.22	0.30	0.43	0.50
80,000	0.09	0.12	0.19	0.26	0.38	0.43
90,000	0.08	0.11	0.18	0.25	0.35	0.41

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

Table 11. Standard Errors of Estimated Percentages of Persons

Base of Estimated Percentage (Thousands)	Estimated Percentages					
	≤ 1 or ≥ 99	2 or 98	5 or 95	10 or 90	25 or 75	50
200	2.97	4.17	6.50	9.00	12.90	14.90
300	2.42	3.41	5.31	7.30	10.50	12.20
600	1.71	2.41	3.75	5.20	7.50	8.60
1,000	1.33	1.87	2.91	4.00	5.80	6.70
2,000	0.94	1.32	2.06	2.83	4.08	4.71
5,000	0.59	0.83	1.30	1.79	2.58	2.98
8,000	0.47	0.66	1.03	1.41	2.04	2.36
11,000	0.40	0.56	0.88	1.21	1.74	2.01
13,000	0.37	0.52	0.81	1.11	1.60	1.85
17,000	0.32	0.45	0.70	0.97	1.40	1.62
22,000	0.28	0.40	0.62	0.85	1.23	1.42
26,000	0.26	0.37	0.57	0.78	1.13	1.31
30,000	0.24	0.34	0.53	0.73	1.05	1.22
50,000	0.19	0.26	0.41	0.57	0.82	0.94
80,000	0.15	0.21	0.32	0.45	0.65	0.75
100,000	0.13	0.19	0.29	0.40	0.58	0.67
130,000	0.12	0.16	0.25	0.35	0.51	0.58
220,000	0.09	0.13	0.20	0.27	0.39	0.45
230,000	0.09	0.12	0.19	0.26	0.38	0.44

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

Table 12. 1990 Topical Module Generalized Variance Parameters

	a	b
Fertility		
# Females (16+)		
Total	-0.0000403	3,982
White	-0.0000526	4,414
Black	-0.0002431	2,878
Hispanic	-0.0006864	4,851
Births (16+ females)		
Total	-0.0000735	7,261
White	-0.0000960	8,048
Black	-0.0004432	5,248
Hispanic	-0.0012518	8,847
Educational Attainment (16+)		
Wave 2		
Total	-0.0000286	5,424
White	-0.0000372	6,012
Black	-0.0001810	3,921
Hispanic	-0.0002797	3,921
Wave 5		
Total	-0.0000312	5,913
White	-0.0000405	6,553
Black	-0.0001972	4,273
Hispanic	-0.0003048	4,273
Marital Status and Person's Family Characteristics		
Some HH members (16+)		
Total	-0.0000433	8,209
White	-0.0000563	9,098
Black	-0.0002738	5,933
Hispanic	-0.0004232	5,933
All HH members (0+)		
Total	-0.0000405	9,975
White	-0.0000534	11,055
Black	-0.0002374	7,209
Hispanic	-0.0003478	7,209

	a	b
Child Support (16+ females)		
Wave 3		
Total	-0.0000612	6,043
White	-0.0000799	6,698
Black	-0.0003698	4,368
Hispanic	-0.0006180	4,368
Wave 6		
Total	-0.0000667	6,587
White	-0.0000871	7,301
Black	-0.0004021	4,761
Hispanic	-0.0006736	4,761
Support for non-household members (16+)		
Wave 3		
Total	-0.0000319	6,043
White	-0.0000414	6,698
Black	-0.0002016	4,368
Hispanic	-0.0003116	4,368
Wave 6		
Total	-0.0000347	6,587
White	-0.0000452	7,301
Black	-0.0002198	4,761
Hispanic	-0.0003396	4,761
Health and Disability (0+)		
Total	-0.0000318	7,818
White	-0.0000419	8,666
Black	-0.0001861	5,651
Hispanic	-0.0002727	5,651
0-15 Child Care		
Wave 3		
Total	-0.0000867	4,890
White	-0.0001195	5,420
Black	-0.0004064	3,535
Hispanic	-0.0008883	5,956
Wave 6		
Total	-0.0000945	5,331
White	-0.0001303	5,908
Black	-0.0004430	3,853
Hispanic	-0.0009682	6,492

	a	b
Welfare History and AFDC		
Both Sexes 18+		
Total	-0.0000783	14,344
White	-0.0001016	15,898
Black	-0.0005025	10,367
Hispanic	-0.0007784	10,367
Males 18+		
Total	-0.0001638	14,344
White	-0.0002112	15,898
Black	-0.0011083	10,367
Hispanic	-0.0015697	10,367
Females 18+		
Total	-0.0001501	14,344
White	-0.0001959	15,898
Black	-0.0009194	10,367
Hispanic	-0.0015441	10,367

Table 13. Distribution of Monthly Cash Income Among Persons 25 to 34 years old

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

Table 14. **Factors to be Applied to Base Parameters to Obtain Combined Panel Parameters for Estimates[1] from Various Reference Periods.**

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

[1] Estimates are based on monthly averages.

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

APPENDIX A-1

Income Source Code List

Code Income Sources

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

Code Asset List

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

Code Special Indicators

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

APPENDIX A-2

Income Sources Included in Monthly Cash Income

Earnings from Employment

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

Income from Assets (Property Income)

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

Other Income Sources

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

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

APPENDIX A-3

Sources of Means-Tested Benefits Covered in SIPP

Cash Benefits

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

Noncash Benefits

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

APPENDIX A-4

1980 Census of Population Occupation Classification System

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

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

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

Professional Specialty Occupations

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

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

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

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations

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

Sales Occupations

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

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

Administrative Support Occupations, Including Clerical

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

363	Production coordinators (4752)
364	Traffic, shipping, and receiving clerks (4753)
365	Stock and inventory clerks (4754)
366	Meter readers (4755)
368	Weighers, measurers, and checkers (4756)
369	Samplers (4757)
373	Expediters (4758)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4759)
	Adjusters and Investigators
375	Insurance adjusters, examiners, and investigators (4782)
376	Investigators and adjusters, except insurance (4783)
377	Eligibility clerks, social welfare (4784)
378	Bill and account collectors (4786)
	Miscellaneous Administrative Support Occupations
379	General office clerks (463)
383	Bank tellers (4791)
384	Proofreaders (4792)
385	Data-entry keyers (4793)
386	Statistical clerks (4794)
387	Teachers' aides (4795)
389	Administrative support occupations, n.e.c. (4787, 4799)

SERVICE OCCUPATIONS

Private Household Occupations

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

Protective Service Occupations

	Supervisors, Protective Service Occupations
413	Supervisors, firefighting and fire prevention occupations (5111)
414	Supervisors, police and detectives (5112)
415	Supervisors, guards (5113)
	Firefighting and Fire Prevention Occupations
416	Fire inspection and fire prevention occupations (5122)
417	Firefighting occupations (5123)
	Police and Detectives
418	Police and detectives, public service (5132)
423	Sheriffs bailiffs, and other law enforcement officers (5134)
424	Correctional institution officers (5133)
	Guards
425	Crossing guards (5142)
426	Guards and police, exc. public service (5144)
427	Protective service occupations, n.e.c. (5149)

Service Occupations, Except Protective and Household

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

436	Cooks, except short order (5214)
437	Short-order cooks (5215)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
443	Waiters'/waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)
	Health Service Occupations
445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
	Cleaning and Building Service Occupations, except Household
448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
V(453)	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)
	Personal Service Occupations
456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
463	Guides (5255)
464	Ushers (5256)
465	Public transportation attendants (5257)
466	Baggage porters and bellhops (5262)
467	Welfare service aides (5263)
468	Child care workers,except private household (5264)
469	Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

Farm Operators and Managers

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

Other Agricultural and Related Occupations

	Farm Occupations, Except Managerial
477	Supervisors, farm workers (5611)
479	Farm workers (5612-5617)
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)
	Related Agricultural Occupations
485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)

Forestry and Logging Occupations

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

Fishers, Hunters, and Trappers

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

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

Mechanics and Repairers

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

Construction Trades

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

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

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

OPERATORS, FABRICATORS, AND LABORERS

Machine Operators, Assemblers, and Inspectors

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

Printing Machine Operators
734 Printing machine operators (7443, 7643)
735 Photoengravers and lithographers (6842, 7444, 7644)
736 Typesetters and compositors (6841, 7642)
737 Miscellaneous printing machine operators (6849, 7449, 7649)
Textile, Apparel, and Furnishings Machine Operators
738 Winding and twisting machine operators (7451, 7651)
739 Knitting, looping, taping, and weaving machine operators (7452, 7652)
743 Textile cutting machine operators (7654)
744 Textile sewing machine operators (7655)
745 Shoe machine operators (7656)
747 Pressing machine operators (7657)
748 Laundering and dry cleaning machine operators (6855, 7658)
749 Miscellaneous textile machine operators (7459, 7659)
Machine Operators, Assorted Materials
753 Cementing and gluing machine operators (7661)
754 Packaging and filling machine operators (7462, 7662)
755 Extruding and forming machine operators (7463, 7663)
756 Mixing and blending machine operators (7664)
757 Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758 Compressing and compacting machine operators (7467, 7667)
759 Painting and paint spraying machine operators (7669)
763 Roasting and baking machine operators, food (7472, 7672)
764 Washing, cleaning, and pickling machine operators (7673)
765 Folding machine operators (7474, 7674)
766 Furnace, kiln, and oven operators, exc. food (7675)
768 Crushing and grinding machine operators (pt 7477, pt 7677)
769 Slicing and cutting machine operators (7478, 7678)
773 Motion picture projectionists (pt 7479)
774 Photographic process machine operators (6863, 6868, 7671)
777 Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
779 Machine operators, not specified
Fabricators, Assemblers, and Hand Working Occupations
783 Welders and cutters (7332, 7532, 7714)
784 Solderers and brazers (7333, 7533, 7717)
785 Assemblers (772, 774)
786 Hand cutting and trimming occupations (7753)
787 Hand molding, casting, and forming occupations (7754, 7755)
789 Hand painting, coating, and decorating occupations (7756)
793 Hand engraving and printing occupations (7757)
794 Hand grinding and polishing occupations (7758)
795 Miscellaneous hand working occupations (7759)
Production Inspectors, Testers, Samplers, and Weighers
796 Production inspectors, checkers, and examiners (782, 787)
797 Production testers (783)
798 Production samplers and weighers (784)
799 Graders and sorters, exc. agricultural (785)

Transportation and Material Moving Occupations

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

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

Handlers, Equipment Cleaners, Helpers, and Laborers

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

APPENDIX A-5

1980 Census of Population Industry Classification System

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

Census
Code

AGRICULTURE, FORESTRY, AND FISHERIES

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

MINING

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

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

MANUFACTURING

Nondurable Goods

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

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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)

Durable Goods

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

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 (38l, 382)
372 Optical and health services supplies (383, 384, 385)
380 Photographic equipment and supplies (386)
381 Watches, clocks, and clockwork operated devices (387)
382 Not specified professional equipment
390 Toys, amusement, and sporting goods (394)
391 Miscellaneous manufacturing industries (39 exc. 394)
392 Not specified manufacturing industries

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

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

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

WHOLESALE TRADE

Durable Goods

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

Nondurable Goods

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

RETAIL TRADE

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

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

FINANCE, INSURANCE, AND REAL ESTATE

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

BUSINESS AND REPAIR SERVICES

721	Advertising (731)
722	Services to dwellings and other buildings (734)
730	Commercial research, development, and testing labs (7391, 7397)
731	Personnel supply services (736)
732	Business management and consulting services (7392)
740	Computer and data processing services (737)
741	Detective and protective services (7393)
742	Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
750	Automotive services, except repair (751, 752, 754)
751	Automotive repair shops (753)
752	Electrical repair shops (762, 7694)
760	Miscellaneous repair services (763, 764, 7692, 7699)

PERSONAL SERVICES

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

791 Miscellaneous personal services (722, part 729)

ENTERTAINMENT AND RECREATION SERVICES

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

PROFESSIONAL AND RELATED SERVICES

812 Offices of physicians (801, 803)
820 Offices of dentists (802)
821 Offices of chiropractors (8041)
822 Offices of optometrists (8042)
830 Offices of health practitioners, n.e.c. (8049)
831 (K) Hospitals (806)
832 Nursing and personal care facilities (805)
840 Health services, n.e.c. (807, 808, 809)
841 Legal services (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 (866)
881 Membership organizations (861-865, 869)
882 Engineering, architectural, and surveying services (891)
890 Accounting, auditing, and bookkeeping services (893)
891 Noncommercial educational and scientific research (892)
892 Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

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

1 RO CODE | **2** CONTROL NUMBER: PSU, Segment, Seg. suf., Serial, S 1 0 Sample, CHECK DIGIT | **3** ADDRESS I.D. | **4** SEGMENT TYPE: 1 ☐ Address, 2 ☐ Unit, 3 ☐ Permit, 4 ☐ Area, 5 ☐ Special place | **5a** Field Rep. code | **5b** Letter sent | W1 W2 W3 W4 W5 W6 W7 W8 ☐ Yes ☐ No | **6a** EXTRA UNIT Original unit serial number | **6b** Sheet ___ Line ___ | **6c** OFFICE USE ONLY | **7** Wave for which Control Card first prepared

FORM SIPP-10001 (7-28-86)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

CONTROL CARD

SURVEY OF INCOME AND PROGRAM PARTICIPATION

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

HOUSEHOLD RECORD (Card ___ of ___)

FILL ITEMS 17–20 FOR ALL PERSONS LIVING OR STAYING HERE

FILL (OR UPDATE AS APPROPRIATE) ITEMS 23–33 FOR HOUSEHOLD MEMBERS ONLY – Ask each item for entire household before asking next item

17 ENTRY ADDRESS I.D.

PGM 3

18 PERSON NUMBER
Assign 101, 102, etc. for wave 1; 201, 202, etc. for wave 2

19a HOUSEHOLD ROSTER
FIRST INTERVIEW AT WAVE 1 ADDRESS –
What are the names of all persons living or staying here? Start with the name of the person or one of the persons who (owns, rents) this home. Please include middle and maiden names. (Leave one blank space between each part of name)
FIRST INTERVIEW AT MOVER'S NEW ADDRESS for mover's new address – Fill items 17–19a before the interview.
Last, First, Middle, Maiden

19b RELATIONSHIP TO REFERENCE PERSON (RP)
Ask if not apparent:
What is . . .'s relationship to (Read name of RP)?
Example: Reference person, wife or husband, son, daughter, son-in-law, sister, foster son, partner, lodger, lodger's wife
See codes on page 4
First code | Update code

20 HOUSEHOLD MEMBER
Does . . . usually live here?
1-Yes
2-No – Probe for URE
Yes | No

23 DATE ENTERED OR LEFT
Complete if instructed by item 21, enter code and date
See codes on page 4
First occurrence: Code, Mo., Day, Year | Update: Code, Mo., Day, Year

24 BIRTH DATE/AGE
a. What is . . .'s date of birth?
Example: 01-20-1983
12-01-1924
Verify age using Flashcard G
b. . . . is now (Read age) years old, is that correct?
Mo., Day, Year, Age, Age Update

25 PERSON NUMBER OF PARENT
Refer to 18 and 19b. If none enter "999"

ASK IF 15 OR OLDER

26a MARITAL STATUS
Is . . . now –
Married
1-Sp. Pres.
2-Sp. Abs.
3-Widowed
4-Divorced
5-Separated
OR
6-Never married?
First code | Update code

26b PERSON NUMBER OF SPOUSE
Refer to 18, 19b, and 26a. If none enter "999"

27 DESIGNATED PARENT OR GUARDIAN
Fill for "Never married" persons under 18. If no parent, ask: Who in this household is responsible for . . .?
Enter person number

28 SEX
Ask if not apparent:
Is . . .
1-Male or 2-Female?
M | F

29 RACE
SHOW FLASHCARD H
What is the race of each person in this household?
See codes on page 4

30 ORIGIN
SHOW FLASHCARD I
What is the origin or descent of each person in this household?
See codes on page 4

GO TO ITEM 31a

21 HOUSEHOLD ROSTER COVERAGE

● WAVE 1 INTERVIEW

		Yes	No
21a I have listed (Read names from item 19a). Have I missed – If "Yes," to any of the following, ask name and complete items 17–20 above. PGM 4			
– Any babies or small children?	0010	1 ☐	2 ☐
– Any lodgers, boarders, or persons you employ who live here?	0012	1 ☐	2 ☐
– Anyone who usually lives here but is away now – traveling, at school, or in a hospital?	0014	1 ☐	2 ☐
– Anyone else staying here?	0016	1 ☐	2 ☐

● FIRST INTERVIEW AT MOVER'S NEW ADDRESS

		Yes	No
21b I have listed . . . (Read names from item 19a), as now living at this address. Is this correct? If NO, ask – Which person did not move here?	0018	1 ☐	2 ☐
21c When did . . . move in here? Enter appropriate code and date in item 23.			
21d Is there anyone else living or staying here now? If YES, ask name and complete items 17–19a, then ask: When did . . . begin living here? If moved in before sample person(s), enter code "04" in item 23 and omit date. If moved in at the same time or after sample person(s), enter appropriate code and date in item 23.	0020	1 ☐	2 ☐
21e Which of these persons (owns/rents) this home? Assign as reference person in item 19b.			

● SUBSEQUENT INTERVIEWS

	W2	W3	W4	W5	W6	W7	W8
21f I have listed . . . (Read names from item 19a). Are all of these persons still living or staying here? If NO, ask: Who no longer lives here? When did . . . leave? Enter appropriate code and date left in item 23. Probe, if necessary, for reason left. If entire household moved, mark "No" in item 21g, complete item 23, determine new address (item 34), and end interview.	0022 1 ☐ Y 2 ☐ N	0026 1 ☐ Y 2 ☐ N	0030 1 ☐ Y 2 ☐ N	0034 1 ☐ Y 2 ☐ N	0038 1 ☐ Y 2 ☐ N	0042 1 ☐ Y 2 ☐ N	0046 1 ☐ Y 2 ☐ N
21g Is anyone else living or staying here, including new born babies? If YES, ask name and complete items 17–20 above, then ask: When did . . . begin living here? Enter appropriate code and date in item 23. Anyone else?	0024 1 ☐ Y 2 ☐ N	0028 1 ☐ Y 2 ☐ N	0032 1 ☐ Y 2 ☐ N	0036 1 ☐ Y 2 ☐ N	0040 1 ☐ Y 2 ☐ N	0044 1 ☐ Y 2 ☐ N	0048 1 ☐ Y 2 ☐ N

22 HOUSING UNIT COVERAGE – WAVE 1 INTERVIEW

22a FIELD REPRESENTATIVE CHECK ITEM
Unit is: ☐ In a special place – SKIP to 24 above
☐ Not in a special place – ASK 22b

Ask if not apparent:
22b Do all persons in this household live OR eat together?
☐ Yes – ASK 22c
☐ No, neither live nor eat together – Fill Table X for the person or group of persons not living or eating with RP

Ask if not apparent:
22c Does any other household on the property live OR eat with this household?
☐ Yes – Redefine the unit to include space occupied by all persons who live or eat together. Apply merged unit procedures if appropriate.
☐ No
GO TO ITEM 24 ABOVE

ASK IF 15 OR OLDER

31a Person number
Enter person number from item 18

EDUCATION

31b What is the highest grade or year of regular school . . . has ever attended?
00 – Never attended or kindergarten
01-08 – Elementary
09-12 – High school
21-28 – College (Academic)
First code | Update code

31c Did . . . complete that grade (year)?
1-Yes
2-No
Yes | No

ARMED FORCES

32a Did . . . ever serve on active duty in the U.S. Armed Forces?
1-Yes
2-No
Yes | No

If "Yes" in 32a ask:
32b When did . . . serve? See codes on page 4
1st code | 2nd code | 3rd code

32c Is . . . now in the Armed Forces?
1-Yes
2-No
Yes | No

SOCIAL SECURITY

★ **33a** What is . . .'s Social Security (or Railroad Retirement) number?
If don't know ask:
If I call back, would . . . be able to provide this information?
If "Yes," mark Reminder Card.

33b Nonresponse
Mark the appropriate box
1-Don't know
2-Refusal
3-None

▶ FIELD REPRESENTATIVE: Go to first questionnaire interview.

8 ADDRESS (Sheet ____ Line ____)

8a What is your exact address?

House number, street, Apt. number, or other identification

Place | County | State | ZIP code

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

Route number, P.O. Box, or other identification

Place | County | State | ZIP code

8c Special place name

8d Type code

8e Sample number

AREA SEGMENTS ONLY

9 YEAR BUILT
☐ Ask first visit
☐ DO NOT ASK

When was this structure originally built?

☐ Before 4-1-80 – *Continue interview*
☐ After 4-1-80 – *Complete item 10c when required; END INTERVIEW*

10 COVERAGE QUESTIONS
☐ Ask items marked
☐ DO NOT ASK

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

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

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

OFFICE USE ONLY						

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

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

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

INTRODUCTION

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

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

12 LAND USE

12a *Follow instructions for box that is marked*
1 ☐ URBAN – *SKIP to item 13*
2 ☐ RURAL – Reg. units and SP. PL. units coded 85-88 in 8d – *ASK item 12b*
SP. PL. units not coded 85-88 in 8d – *Mark "No" in item 12b without asking, then go to item 13*
3 ☐ Unclassified – *ASK 12b, or mark by observation*

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

13 CLASSIFICATION OF LIVING QUARTERS – *Mark by observation*

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

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

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

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

14 UNITS IN STRUCTURE
ASK IF NOT APPARENT –
How many housing units both occupied and vacant, are there in this structure?
1 ☐ Only OTHER units
2 ☐ Mobile home or trailer
3 ☐ One, detached
4 ☐ One, attached
5 ☐ Two
6 ☐ 3–4
7 ☐ 5–9
8 ☐ 10–19
9 ☐ 20–49
10 ☐ 50 or more

15 TENURE
Are your living quarters –
1 ☐ Owned or being bought by you or someone in your household?
2 ☐ Rented for cash?
3 ☐ Occupied without payment of cash rent?

16 CHARACTERISTICS OF UNIT – UPDATE/VERIFY EACH WAVE
ASK ONLY IF UNIT IS RENTED (Otherwise go to item 19a on page 2, or 21b if first interview at mover's new address)

16a Is this residence in a public housing project, that is, is it owned by a local housing authority?
1 ☐ Yes – *Go to item 19a, page 2 OR 21b if first interview at mover's new address*
2 ☐ No
X1 ☐ DK

16b Is the Federal, State or local government paying part of the rent for this residence?
1 ☐ Yes
2 ☐ No
X1 ☐ DK
} *Go to item 19a, page 2 OR 21b if first interview at mover's new address*

NOTES

36 HOUSEHOLD FINAL INTERVIEW STATUS – *Complete after interview*

Wave (a)	Code (b)	If codes 06, 16, or 22, specify (c)
1		
2		
3		
4		
5		
6		
7		
8		

37 CHARACTERISTICS OF TYPE A OR D HOUSEHOLD
Verify for each wave assigned.

37a Race of reference person – *Enter code from flashcard*

37b Sex of reference person
1 ☐ Male
2 ☐ Female

37c Size of household – *Count all children and adults*

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

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

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

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

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

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

Name | Relationship to person no. ____

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

CODES FOR HOUSEHOLD INTERVIEW STATUS

Wave 1 interview status

01 – Interviewed

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

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

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

Waves 2–8 interview status

01 – Interviewed

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

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

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

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

26 – All sample persons relisted on new Control Card(s) (On old cc enter "26" in item 36)

34a MOVERS

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

PGM 4, Cont'd.

OFFICE USE ONLY 0054

34b *If entire household moves, try to determine:*

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

1 ☐ Yes – What is the name? ______

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

35 MERGED HOUSEHOLD MATCH TABLE

New person number (a)	PREVIOUS IDENTIFICATION PSU (b)	Segment (c)	Serial (d)	Sample designation (e)	Entry address ID (f)	Person number (g)
0056	0058	0060	0062	0064	0066	0068
0070	0072	0074	0076	0078	0080	0082
0084	0086	0088	0090	0092	0094	0096
0098	0100	0102	0104	0106	0108	0110
0112	0114	0116	0118	0120	0122	0124
0126	0128	0130	0132	0134	0136	0138
0140	0142	0144	0146	0148	0150	0152
0154	0156	0158	0160	0162	0164	0166

CODES FOR 19b

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

ENTERED CODES FOR 23

Entered – This Wave

01 – Birth
02 – Marriage
03 – Other
04 – *(Use only with item 21d)*
13 – Re-entered sample after missing one or more waves
16 – From institution
17 – From Armed Forces barracks
18 – From outside the country
19 – Due to separation or divorce

Entered – Should have been added in a previous wave

21 – Birth
22 – Marriage
23 – Other
24 – Sample person added during second interview period
36 – From institution
37 – From Armed Forces barracks
38 – From outside the country
39 – Due to separation or divorce

LEFT CODES FOR 23

Left – This Wave

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

Left – Should have been deleted in a previous wave

25 – Deceased
26 – Institutionalized
27 – Living in Armed Forces barracks
28 – Moved outside of country
29 – Separation or divorce
30 – 201+ person no longer living with sample person
31 – Other

CODES FOR 30

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

CODES FOR 28

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

Person No.	*Specify race*

CODES FOR 32b

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

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

39 FUTURE CONTACTS (Continued) – *Read Flashcard T and fill 39c. Verify and update for Waves 2–8.*

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

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

39 FUTURE CONTACTS (Continued) – *Read Flashcard T and fill 39c. Verify and update for Waves 2–8.*

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

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

39 FUTURE CONTACTS (Continued) – *Read Flashcard T and fill 39c. Verify and update for Waves 2–8.*

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

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

TRANSCRIPTION ITEMS (Card ______ of ______)

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

COL. 1

COL.	40 Person number	41 Name	W1	W2	W3	W4	W5	W6	W7	W8
1		Respondent person number								

EMPLOYMENT

Empl. I.D.	42 NAME OF EMPLOYER	W1	W2	W3	W4	W5	W6	W7	W8
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
Bus. I.D.	**43 NAME OF BUSINESS/FARM**	**W1**	**W2**	**W3**	**W4**	**W5**	**W6**	**W7**	**W8**
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INTERVIEW STATUS

Line No.	Code	44 PERSON INTERVIEW STATUS	W1	W2	W3	W4	W5	W6	W7	W8
0		Ineligible for interview (code 993)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
1		Noninterview — No interview obtained (code 991)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		Interview — No ISS codes marked (code 992)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INCOME

Line No.	Code	45 INCOME SOURCES (1–56)	W1 (Mark box only if indicated on ISS)	W2	W3	W4	W5	W6	W7	W8
3			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
5			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
6			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
7			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
8			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
9			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
		46 ASSETS (100–150)								
10			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
11			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
12			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
13			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
14			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
15			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
16			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
		47 SPECIAL INDICATORS								
17			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
18			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
19			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

COL. 2

COL.	40 Person number	41 Name	W1	W2	W3	W4	W5	W6	W7	W8
2		Respondent person number								

EMPLOYMENT

Empl. I.D.	42 NAME OF EMPLOYER	W1	W2	W3	W4	W5	W6	W7	W8
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
Bus. I.D.	**43 NAME OF BUSINESS/FARM**	**W1**	**W2**	**W3**	**W4**	**W5**	**W6**	**W7**	**W8**
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INTERVIEW STATUS

Line No.	Code	44 PERSON INTERVIEW STATUS	W1	W2	W3	W4	W5	W6	W7	W8
0		Ineligible for interview (code 993)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
1		Noninterview — No interview obtained (code 991)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		Interview — No ISS codes marked (code 992)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INCOME

Line No.	Code	45 INCOME SOURCES (1–56)	W1 (Mark box only if indicated on ISS)	W2	W3	W4	W5	W6	W7	W8
3			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
5			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
6			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
7			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
8			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
9			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
		46 ASSETS (100–150)								
10			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
11			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
12			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
13			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
14			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
15			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
16			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
		47 SPECIAL INDICATORS								
17			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
18			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
19			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

COL. 3

COL.	40 Person number	41 Name	W1	W2	W3	W4	W5	W6	W7	W8
3		Respondent person number								

EMPLOYMENT

Empl. I.D.	42 NAME OF EMPLOYER	W1	W2	W3	W4	W5	W6	W7	W8
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
Bus. I.D.	**43 NAME OF BUSINESS/FARM**	**W1**	**W2**	**W3**	**W4**	**W5**	**W6**	**W7**	**W8**
1		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
3		1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INTERVIEW STATUS

Line No.	Code	44 PERSON INTERVIEW STATUS	W1	W2	W3	W4	W5	W6	W7	W8
0		Ineligible for interview (code 993)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
1		Noninterview — No interview obtained (code 991)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
2		Interview — No ISS codes marked (code 992)	1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

INCOME

Line No.	Code	45 INCOME SOURCES (1–56)	W1 (Mark box only if indicated on ISS)	W2	W3	W4	W5	W6	W7	W8
3			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
4			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
5			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
6			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
7			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
8			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
9			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
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11			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
12			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
13			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
14			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
15			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
16			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
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18			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐
19			1☐	2☐	3☐	4☐	5☐	6☐	7☐	8☐

FORM SIPP-10500
(1-16-91)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

SURVEY OF INCOME AND PROGRAM PARTICIPATION

1990 PANEL

WAVE 5 QUESTIONNAIRE

PGM 6

1. Book ____ of ____

2. (cc 1) R.O. code

3a. (cc 2) PSU / Segment / Serial / Sample 1 0 / Check digit

b. (cc 3) Add. ID

4. (cc 17)

a. Entry Add. ID

b. PERSON Number (cc 18)

c. Name (cc 19a)

First

Middle initial

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

a. Relationship code (cc 19b)

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

c. Sex code (cc 28)

d. Marital status code (cc 26a)

6. Field representative 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 item 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. Field representative edit time

Start time → a.m. p.m.

Finish time → a.m. p.m.

b. Total 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. 1 ☐ Phone interview — *Specify reason*

INTRODUCTION

FIELD REPRESENTATIVE 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.)*

CHECK ITEM N1 Does . . .'s person number begin with a "5"?

PGM 7

0900 1 ☐ Yes

2 ☐ No — *SKIP to section 1, item 1, page 2*

CHECK ITEM N2 **Was . . . missed when household members were listed for Wave 1?**

0901 1 ☐ Yes — *SKIP to section 1, item 1, page 2*

2 ☐ No

13a. On March 31, 1990, was . . . living in any of the kinds of places listed on this card? *(Show Flashcard P)*

0914 1 ☐ Yes

2 ☐ No — *SKIP to section 1, item 1, page 2*

X1 ☐ DK

X2 ☐ Ref. } *SKIP to section 1, item 1, page 2*

b. Which code on this card represents the kind of place . . . was living in on March 31, 1990?

0916 1 ☐ Armed Forces barracks

2 ☐ Outside the United States

3 ☐ Nonhousehold setting

NOTES

Section 5 — TOPICAL MODULES

Part A — ANNUAL INCOME AND RETIREMENT ACCOUNTS

STATEMENT C

The purpose of this part of our interview is to get the most accurate picture possible of the situation of persons and families during calendar year 1990. It would be very helpful to refer to records during this part of the interview.

CHECK ITEM T1	Are the names of any businesses listed for . . . on the control card? (cc item 43)	8000	1☐Yes — *SKIP to 1b* 2☐No
CHECK ITEM T2	Was an interview obtained for . . . for each of the 1st, 2nd, 3rd, AND 4th waves (cc items 44, 45, 46, and 47)?	8002	1☐Yes — *SKIP to Statement D, page 57* 2☐No
1a.	**Did . . . own and operate a business at any time during calendar year 1990?** *Include farms.*	8004	1☐Yes 2☐No — *SKIP to Statement D, page 57*
b.	*ASK OR VERIFY —* **How many different businesses did . . . own and operate during calendar year 1990?**	8006	☐☐ Businesses OR x3☐None — *SKIP to Statement D, page 57*

		First business	Second business
c.	*ASK OR VERIFY —* **What were the names of the businesses that . . . owned and operated during calendar year 1990?** *(List up to 2 businesses; list according to net income from business beginning with the business providing the largest net income.)*	Business name __________ __________	Business name __________ __________
CHECK ITEM T3	Transcribe ID number for this business from the control card (cc item 43). *(Fill items T3—T9 for the first business listed, then fill items T3—T9 if a second business is listed.)*	PGM7 8010 ☐ Business ID No. OR x3☐Not listed on control card	PGM7 8060 ☐ Business ID No. OR x3☐Not listed on control card
CHECK ITEM T4	Has information about this business already been obtained in an interview for another household member?	8012 1☐Yes 2☐No — *SKIP to 2a*	8062 1☐Yes 2☐No — *SKIP to 2a*
INTERVIEWER INSTRUCTION:	Enter name, person number, and business ID number of the other owner who previously reported the business to indicate the location of the information about this business.	Name ________ Person number 8014 ☐☐☐ Business ID number 8016 ☐ OR x3☐Not listed on control card } *SKIP to Check Item T9, page 56*	Name ________ Person number 8064 ☐☐☐ Business ID number 8066 ☐ OR x3☐Not listed on control card } *SKIP to Check Item T10, page 56*
2a.	*ASK OR VERIFY —* **What was the form of this (business/practice) — was it a sole proprietorship, a partnership, or a corporation?**	8018 1☐Sole proprietorship 2☐Partnership 3☐Corporation x1☐DK	8068 1☐Sole proprietorship 2☐Partnership 3☐Corporation x1☐DK
b.	**Was this business primarily located in . . .'s own home or somewhere else?**	8020 1☐ Own home 2☐ Somewhere else	8070 1☐Own home 2☐Somewhere else

TOPICAL MODULES

Part A — ANNUAL INCOME AND RETIREMENT ACCOUNTS (Continued)

CHECK ITEM T5 — Is "sole proprietorship" marked in item 2a?	8104 1 ☐ Yes — *SKIP to 2h* 2 ☐ No	8154 1 ☐ Yes — *SKIP to 2h* 2 ☐ No
2c. Were any other members of this household part owners of this (business/practice)?	8106 1 ☐ Yes 2 ☐ No } *SKIP to 2g* x1 ☐ DK }	8156 1 ☐ Yes 2 ☐ No } *SKIP to 2g* x1 ☐ DK }
d. Which other household members were owners?	8108 Person No. ___ Name ___	8158 Person No. ___ Name ___
	8110 Person No. ___ Name ___	8160 Person No. ___ Name ___
e. Was this (business/practice) owned entirely by members of this household?	8112 1 ☐ Yes — *SKIP to 2g* 2 ☐ No	8162 1 ☐ Yes — *SKIP to 2g* 2 ☐ No
f. What percentage of this (business/practice) was owned by members of this household?	8114 ___ Percent OR x1 ☐ DK	8164 ___ Percent OR x1 ☐ DK
g. What percentage of this (business/practice) did . . . own in . . .'s own name?	8116 ___ Percent OR x1 ☐ DK	8166 ___ Percent OR x1 ☐ DK
h. What were the gross RECEIPTS of this (business/practice) in 1990? Please use records if they are available. ★ *Obtain estimate, if necessary.*	8118 $ ___ . 00 x1 ☐ DK x2 ☐ Ref.	8168 $ ___ . 00 x1 ☐ DK x2 ☐ Ref.
i. What were the total EXPENSES of this (business/practice) in 1990? Please use records if they are available. ★ *Obtain estimate, if necessary.*	8120 $ ___ . 00 x1 ☐ DK x2 ☐ Ref.	8170 $ ___ . 00 x1 ☐ DK x2 ☐ Ref.
CHECK ITEM T6 — Is "DK" marked in either item 2h or 2i?	8122 1 ☐ Yes 2 ☐ No — *SKIP to Check Item T7*	8172 1 ☐ Yes 2 ☐ No — *SKIP to Check Item T7*
2j. If I were to call back later could you provide me with an estimate of (receipts/expenses)? (This information is especially important for this survey.)	8124 1 ☐ Yes — *Mark Callback Summary and Reminder Card, Items 11a and/or 11b* 2 ☐ No	8174 1 ☐ Yes — *Mark Callback Summary and Reminder Card, Items 11a and/or 11b* 2 ☐ No
CHECK ITEM T7 — Is "sole proprietorship" marked in item 2a?	8126 1 ☐ Yes — *SKIP to Check Item T9* 2 ☐ No	8176 1 ☐ Yes — *SKIP to Check Item T10* 2 ☐ No

TOPICAL MODULES

Section 5 — TOPICAL MODULES (Continued)

Part A — ANNUAL INCOME AND RETIREMENT ACCOUNTS (Continued)

2k. What was . . .'s net income from this (business/practice) in 1990? Please use records if they are available. ★ *Obtain estimate, if necessary.*	8202 $ ______ . 00 x3 ☐ None . . . . } *SKIP to Check Item T8* x2 ☐ Ref. . . . . } *SKIP to Check Item T8* x1 ☐ DK 8204 x4 ☐ Lost money — *Enter amount of loss in box — SKIP to Check Item T8*	8252 $ ______ . 00 x3 ☐ None . . . . } *SKIP to Check Item T8* x2 ☐ Ref. . . . . } *SKIP to Check Item T8* x1 ☐ DK 8254 x4 ☐ Lost money — *Enter amount of loss in box — SKIP to Check Item T8*
l. If I were to call back later could you provide me with an estimate? (This information is especially important for the purposes of this survey.)	8206 1 ☐ Yes — *Mark Callback Summary and Reminder Card, Item 12* 2 ☐ No	8256 1 ☐ Yes — *Mark Callback Summary and Reminder Card, Item 12* 2 ☐ No
CHECK ITEM T8 — *Refer to item 2d.* Were any other household members part owners of this business?	8208 1 ☐ Yes 2 ☐ No — *SKIP to Check Item T9*	8258 1 ☐ Yes 2 ☐ No — *SKIP to Check Item T10*
2m. Apart from the net income already reported for . . ., did *(Read names of other household owners)* **receive any net income in 1990 from this (business/practice)?**	8210 1 ☐ Yes 2 ☐ No } *SKIP to Check Item T9* x1 ☐ DK } *SKIP to Check Item T9*	8260 1 ☐ Yes 2 ☐ No } *SKIP to Check Item T10* x1 ☐ DK } *SKIP to Check Item T10*
n. What was the amount of net income that was received by *(Read names of other household owners)***?** *Obtain estimate, if necessary.*	Person No. 8212 ☐☐☐ 8214 $ ______ . 00 x3 ☐ None x1 ☐ DK x2 ☐ Ref. 8216 x4 ☐ Lost money — *Enter amount of loss in box* SECOND CO-OWNER Person No. 8218 ☐☐☐ 8220 $ ______ . 00 x3 ☐ None x1 ☐ DK x2 ☐ Ref. 8222 x4 ☐ Lost money — *Enter amount of loss in box*	Person No. 8262 ☐☐☐ 8264 $ ______ . 00 x3 ☐ None x1 ☐ DK x2 ☐ Ref. 8266 x4 ☐ Lost money — *Enter amount of loss in box* SECOND CO-OWNER Person No. 8268 ☐☐☐ 8270 $ ______ . 00 x3 ☐ None x1 ☐ DK x2 ☐ Ref. 8272 x4 ☐ Lost money — *Enter amount of loss in box*
CHECK ITEM T9 — Is another business listed in item 1c?	8274 1 ☐ Yes — *Complete Check Item T3 for next business* 2 ☐ No — *SKIP to Statement D*	*Go to Check Item T10*
CHECK ITEM T10 — Is the number of businesses recorded in item 1b three or more?	8276 1 ☐ Yes 2 ☐ No — *SKIP to Statement D*	
3. What was . . .'s net income from . . .'s other businesses in 1990? Please use records if they are available.	8278 $ ______ . 00 x3 ☐ None x1 ☐ DK x2 ☐ Ref. 8280 x4 ☐ Lost money — *Enter amount of loss in box*	

Section 5 — TOPICAL MODULES (Continued)

Part A — ANNUAL INCOME AND RETIREMENT ACCOUNTS (Continued)

STATEMENT D **The next few questions are about personal retirement plans.**

4a. Does . . . have an Individual Retirement Account — an IRA — in . . .'s OWN name?
If . . . is only included in . . .'s (husband's/wife's) IRA accounts, mark the "No" box.

9330 1☐ Yes
2☐ No
x1☐ DK } *SKIP to 4h*

b. Did . . . make any tax-deductible contributions to IRA accounts which applied to . . .'s 1990 tax return?
(Contributions which were deducted from gross income.)

9332 1☐ Yes
2☐ No
x1☐ DK } *SKIP to 4d*

c. How much were . . .'s tax-deductible contributions to IRA accounts which applied to . . .'s 1990 tax return?
(Form 1040, line 24a)
(Form 1040A, line 15a)

9334 $ ______ . 00
x1☐ DK
x2☐ Ref.

d. Did . . . make any withdrawals from . . .'s IRA accounts during 1990?
Mark "No" if funds were "rolled over" within 60 days of the withdrawal.

9336 1☐ Yes
2☐ No
x1☐ DK } *SKIP to 4f*

e. How much did . . . withdraw from IRA accounts during 1990?

9338 $ ______ . 00
x1☐ DK
x2☐ Ref.

f. Including ALL IRA accounts in . . .'s OWN name, how much did . . .'s IRA accounts earn during 1990?

9340 $ ______ . 00
x1☐ DK
x2☐ Ref.

g. What types of assets did . . . have in . . .'s IRA accounts during 1990?
Mark (X) all that apply.
Anything else?

9342 1☐ Certificates of deposit or other savings certificates
9344 2☐ Money Market Funds
9346 3☐ U.S. Government Securities
9348 4☐ Municipal or Corporate Bonds
9350 5☐ U.S. Savings Bonds
9352 6☐ Stocks or Mutual Fund Shares
9354 7☐ Other assets — *Specify*
____
9356 x1☐ DK

h. Does . . . have a Keogh account in . . .'s OWN name?

9358 1☐ Yes
2☐ No
x1☐ DK } *SKIP to Check Item T11*

i. Did . . . make any tax-deductible contributions to a Keogh account which applied to . . .'s 1990 tax return?

9360 1☐ Yes
2☐ No
x1☐ DK } *SKIP to 4k*

j. How much were . . .'s tax-deductible contributions to Keogh accounts which applied to . . .'s 1990 tax return?
(Form 1040, line 27)

9362 $ ______ . 00
x1☐ DK
x2☐ Ref.

k. Did . . . make any withdrawals from . . .'s Keogh accounts during 1990?

9364 1☐ Yes
2☐ No
x1☐ DK } *SKIP to 4m*

Part A — ANNUAL INCOME AND RETIREMENT ACCOUNTS (Continued)

4l. How much did . . . withdraw from Keogh accounts during 1990?

9366 $ ______ . 00

x1☐ DK
x2☐ Ref.

m. Including ALL Keogh accounts in . . .'s OWN name, how much did . . .'s Keogh accounts earn during 1990?

9368 $ ______ . 00

x1☐ DK
x2☐ Ref.

n. What types of assets did . . . have in . . .'s Keogh accounts during 1990?

Mark (X) all that apply.

Anything else?

9370 1☐ Certificates of deposit or other savings certificates
9372 2☐ Money Market Funds
9374 3☐ U.S. Government Securities
9376 4☐ Municipal or Corporate Bonds
9378 5☐ U.S. Savings Bonds
9380 6☐ Stocks or Mutual Fund Shares
9382 7☐ Other assets — *Specify* ______
9384 x1☐ DK

CHECK ITEM T11

Refer to cc item 42.

Are the names of any employers listed for . . . on the control card?

9385 1☐ Yes
2☐ No — *SKIP to Check Item T12*

4o. During 1990, did . . . participate in an employee thrift plan such as a 401k plan? Such a plan allows employees to defer part of their salary and not have to pay taxes on their deferred salary until they retire or make a withdrawal.

9386 1☐ Yes
2☐ No } *SKIP to Check Item T12*
x1☐ DK }

p. How much did . . . contribute to this plan during 1990?

9388 $ ______ . 00

x3☐ None
x1☐ DK
x2☐ Ref.

NOTES

Part B — TAXES

CHECK ITEM T12 — Has tax information for . . . already been obtained in an interview for a spouse with whom . . . filed a joint return?

9390 1 ☐ Yes — *SKIP to Check Item T19, page 61*
2 ☐ No

1a. Did . . . file a Federal income tax return for 1990?

Mark "Yes" if . . . filed alone or jointly.

9392 1 ☐ Yes
2 ☐ No — *SKIP to Check Item T19, page 61*

b. Do you have a copy of the tax form or a worksheet that you could refer to for the next few questions?

9394 1 ☐ Yes — *Allow person time to get form*
2 ☐ No

2. What was . . .'s filing status on . . .'s 1990 Federal tax return? Did . . . file as —

Read categories — Mark (X) one.

9396 1 ☐ **A single taxpayer?**
2 ☐ **Married, filing a joint return?**
3 ☐ **Married, filing separately?**
4 ☐ **Unmarried head of household?**
5 ☐ **Qualifying widow(er) with dependent child?**
X1 ☐ DK

3a. What were the total number of exemptions claimed on . . .'s tax return?

9398 ☐☐ Exemptions — *If "01" SKIP to 4*
X1 ☐ DK

CHECK ITEM T13 — *Refer to cc item 20.*
Number of current household members.

9400 1 ☐ One — *SKIP to 3c*
2 ☐ Two or more

3b. Besides . . . which persons in this household did . . . claim as an exemption?

	Person No.	Name
9402	☐☐☐	______
9404	☐☐☐	______
9406	☐☐☐	______
9408	☐☐☐	______
9410	☐☐☐	______

9412 1 ☐ None in household

ASK OR VERIFY —

c. Did . . . claim exemptions for any persons who lived outside of . . .'s home for the entire year?

9414 1 ☐ Yes
2 ☐ No — *SKIP to 4*

d. What was the relationship of this (these) person(s) to . . .?

Record for two persons only.

FIRST DEPENDENT	SECOND DEPENDENT
9416 1 ☐ Parent	9418 1 ☐ Parent
2 ☐ Child	2 ☐ Child
3 ☐ Brother/sister	3 ☐ Brother/sister
4 ☐ Other	4 ☐ Other

4. Did . . . file form 1040, the long form or did . . . file one of the short forms, 1040A or 1040EZ?

(Form 1040 is blue)
(Form 1040A is pink)
(Form 1040EZ is green)

9420 1 ☐ Form 1040
2 ☐ Form 1040A
3 ☐ Form 1040EZ
X1 ☐ DK
} *SKIP to Check Item T14*

5. I am going to mention two forms that people are sometimes required to attach to their tax return. Please tell me if these were included with . . .'s 1990 tax return.

(1) Schedule A, Itemized Deductions . . . . 9422 1 ☐ Yes
2 ☐ No
X1 ☐ DK

(2) Schedule D, Capital Gains and Losses . . . . . . 9424 1 ☐ Yes
2 ☐ No
X1 ☐ DK

CHECK ITEM T14	Does the respondent have a copy of . . .'s Federal income tax form or a worksheet to refer to?	9428	1☐ Yes 2☐ No — *SKIP to 9a*
CHECK ITEM T15	*Refer to item 4.* Is "Form 1040" marked?	9430	1☐ Yes 2☐ No — *SKIP to 8a*
CHECK ITEM T16	Is "Schedule A, Itemized Deductions" marked "Yes" in item 5(1)?	9432	1☐ Yes 2☐ No — *SKIP to 6b*

6a. How much were . . .'s (and . . .'s husband's/wife's) itemized deductions for 1990?

(Schedule A, line 27)

9434 $ ______ . 00

x1☐ DK
x2☐ Ref. — *SKIP to Check Item T17*

b. On . . .'s Form 1040, did . . . (and . . .'s husband/wife) claim —

(Ask for each credit claimed.)

6c. What was the amount of the *(Read name of credit)* **claimed?**

(1) A child and dependent care expense credit . . *(Form 1040, line 41)*	9446	1☐ Yes 2☐ No	9448	$ ______ . 00 x1☐ DK x2☐ Ref.
(2) A credit for the elderly or the disabled . . . . . . *(Form 1040, line 42)*	9450	1☐ Yes 2☐ No	9452	$ ______ . 00 x1☐ DK x2☐ Ref.

CHECK ITEM T17	*Refer to item 5(2).* Is "Schedule D, Capital Gains and Losses" marked "Yes"?	9458	1☐ Yes 2☐ No — *SKIP to 8a*

7. How much were . . .'s (and . . .'s husband's/wife's) capital gains or losses from the sale or exchange of personal assets for 1990?

(Form 1040, line 13)

9460 $ ______ . 00

x3☐ None
x1☐ DK
x2☐ Ref.
9461 x4☐ Lost money — *Enter amount of loss in box*

(SHOW FLASHCARD CC WITH APPROPRIATE TAX FORM)

8a. This card shows the portion of the tax return that deals with adjusted gross income and with the net tax liability for the year.

Adjusted gross income is total income less certain types of adjustments and exclusions. What was . . .'s (and . . .'s husband's/wife's) adjusted gross income in 1990?

(Form 1040, line 31)
(Form 1040A, line 16)
(Form 1040EZ, line 3)

9462 $ ______ . 00

x3☐ None
x1☐ DK
x2☐ Ref.
9463 x4☐ Lost money — *Enter amount of loss in box*

} *SKIP to 9a*

b. Federal income tax liability is the total tax as determined by the tax table or schedule plus or minus certain adjustments. What was . . .'s (and . . .'s husband's/wife's) net tax liability in 1990?

(Form 1040, line 54)
(Form 1040A, line 27)
(Form 1040EZ, line 7)

9464 $ ______ . 00

x3☐ None
x1☐ DK
x2☐ Ref.

CHECK ITEM T18	*Refer to item 8a.* What is the amount of adjusted gross income reported?	9466	1☐ $20,264 or more — *SKIP to Check Item T19* 2☐ Less than $20,264

Part B — TAXES (Continued)

9a. Did . . . claim an earned income credit on . . .'s Federal income tax return?

9472
1 ☐ Yes
2 ☐ No } *SKIP to Check Item T19*
x1 ☐ DK }

b. What was the amount of earned income credit claimed?
(Form 1040, line 57)
(Form 1040A, line 28c)

9474 $ ______ . 00
x1 ☐ DK
x2 ☐ Ref.

CHECK ITEM T19
Refer to cc item 15.
Tenure of reference person.
Are . . .'s living quarters —

9486
1 ☐ Owned or being bought?
2 ☐ Rented for cash? } *SKIP to Statement E, page 62*
3 ☐ Occupied without cash payment? }

CHECK ITEM T20
Interview status of . . .'s spouse

9488
1 ☐ No spouse in household
2 ☐ Interview for spouse not yet conducted
3 ☐ Interview for spouse already conducted — *SKIP to Statement E, page 62*

10a. Did . . . pay any property taxes on . . .'s residence(s) in 1990?

9490
1 ☐ Yes
2 ☐ No — *SKIP to Statement E, page 62*

b. Did . . . pay these jointly with someone else living here?

9492
1 ☐ Yes
2 ☐ No — *SKIP to 10d*

c. Who made these joint payments with . . .?

9494 Person No. ______ Name ______

9496 Person No. ______ Name ______

d. What was the property tax bill for . . .'s residence(s) in 1990?
Obtain estimate, if necessary.
(Schedule A, line 6)

9498 $ ______ . 00
x1 ☐ DK
x2 ☐ Ref.

NOTES

Part C — SCHOOL ENROLLMENT AND FINANCING

Statement E **The next few questions are about school enrollment and financing.**

1. Was . . . enrolled in school anytime during the past 12 months? (Include any regular school, such as elementary, high school, or college, or any vocational, technical or business school.)	9610 1 ☐ Yes 2 ☐ No — *SKIP to Check Item C1, page 64*
2. At what level or grade was . . . enrolled? *(If enrolled at more than one level in the past 12 months, check level in which the greatest amount of time was spent.)*	9612 1 ☐ Elementary grades 1—8 2 ☐ High school grades 9—12 3 ☐ College year 1 4 ☐ College year 2 5 ☐ College year 3 6 ☐ College year 4 7 ☐ College year 5 8 ☐ College year 6+ 9 ☐ Vocational school 10 ☐ Technical school 11 ☐ Business school 12 ☐ Other or DK
CHECK ITEM T21 Was . . . enrolled in elementary or high school?	9614 1 ☐ Yes 2 ☐ No — *SKIP to 4*
3. Was . . . enrolled in a public school? *(Mark "Yes" if the school at which . . . spent the greatest amount of time was public.)*	9616 1 ☐ Yes — *SKIP to Check Item C1, page 64* 2 ☐ No
4. During the past 12 months — **a. What was the total cost of . . .'s tuition and fees?**	9618 $ ____ . 00 x3 ☐ None x1 ☐ DK
b. What was the total cost of . . .'s books and supplies?	9620 $ ____ . 00 x3 ☐ None x1 ☐ DK
c. Did . . . live away from home while attending school?	9622 1 ☐ Yes 2 ☐ No — *SKIP to 5*
d. What was the total cost for room and board while away at school?	9624 $ ____ . 00 x1 ☐ DK

NOTES

Section 5 — TOPICAL MODULES (Continued)

Part C — SCHOOL ENROLLMENT AND FINANCING (Continued)

5a.		5b. How much did . . . receive?
(HAND RESPONDENT CARD DD) **Please look at this card and tell me if . . . received any of these types of educational assistance during the past 12 months.** **Anything else?**	9626 x3 ☐ None — *SKIP to Check Item C1*	
(1) The GI Bill?	9628 1 ☐ Received	9630 $ ______ . 00 x1 ☐ DK
(2) Other Veteran's Educational Assistance Programs? (Include survivors and dependents, vocational rehabilitation and post-Vietnam veterans assistance.)	9632 1 ☐ Received	9634 $ ______ . 00 x1 ☐ DK
(3) College Work Study Program?	9636 1 ☐ Received	9638 $ ______ . 00 x1 ☐ DK
(4) A Pell Grant?	9640 1 ☐ Received	9642 $ ______ . 00 x1 ☐ DK
(5) A Supplemental Educational Opportunity Grant (SEOG)?	9644 1 ☐ Received	9646 $ ______ . 00 x1 ☐ DK
(6) A National Direct Student Loan (NDSL)?	9648 1 ☐ Received	9650 $ ______ . 00 x1 ☐ DK
(7) A guaranteed student loan?	9652 1 ☐ Received	9654 $ ______ . 00 x1 ☐ DK
(8) A JTPA Training Program?	9656 1 ☐ Received	9658 $ ______ . 00 x1 ☐ DK
(9) Employer assistance	9660 1 ☐ Received	9662 $ ______ . 00 x1 ☐ DK
(10) A fellowship or scholarship?	9664 1 ☐ Received	9666 $ ______ . 00 x1 ☐ DK
(11) A tuition reduction?	9668 1 ☐ Received	9670 $ ______ . 00 x1 ☐ DK
(12) Anything else (other than assistance from relatives and friends)?	9672 1 ☐ Received	9674 $ ______ . 00 x1 ☐ DK

NOTES

CALLBACK SUMMARY

CHECK ITEM C1 Are any items marked on Reminder Card for . . .? 5000
1 ☐ Yes – *Mark appropriate item(s) below, then SKIP to Check Item C2*
2 ☐ No – *SKIP to Check Item C2*

☐	**1.** Social Security Number *(Enter in cc item 33a)*		☐☐☐ - ☐☐ - ☐☐☐☐		x1☐ DK x2☐ Ref. x3☐ None
☐	**2.** Medicare claim number *(Item 23b, page 8)*	5002	☐☐☐ - ☐☐ - 5004 ☐☐☐☐ - 5005 ☐☐		
☐	**3.** EMPLOYER **a.** Employer #1 *(Item 8a, page 17)* What was the total amount of pay received before deductions on this job in . . .?	5006	$. 00	Last month	x1☐ DK x2☐ Ref. x3☐ None
		5008	$. 00	2 months ago	x1☐ DK x2☐ Ref. x3☐ None
		5010	$. 00	3 months ago	x1☐ DK x2☐ Ref. x3☐ None
		5012	$. 00	4 months ago	x1☐ DK x2☐ Ref. x3☐ None
☐	**b.** Employer #2 *(Item 16a, page 19)* What was the total amount of pay received before deductions on this job in . . .?	5014	$. 00	Last month	x1☐ DK x2☐ Ref. x3☐ None
		5016	$. 00	2 months ago	x1☐ DK x2☐ Ref. x3☐ None
		5018	$. 00	3 months ago	x1☐ DK x2☐ Ref. x3☐ None
		5020	$. 00	4 months ago	x1☐ DK x2☐ Ref. x3☐ None
☐	**4.** SELF-EMPLOYMENT **a.** Self-employment #1 *(Item 7, page 21)* What was the total amount of income received from this business in . . .?	5022	$. 00	Last month	x1☐ DK x2☐ Ref. x3☐ None
		5024	$. 00	2 months ago	x1☐ DK x2☐ Ref. x3☐ None
		5026	$. 00	3 months ago	x1☐ DK x2☐ Ref. x3☐ None
		5028	$. 00	4 months ago	x1☐ DK x2☐ Ref. x3☐ None
☐	**b.** Self-employment #2 *(Item 18, page 23)* What was the total amount of income received from this business in . . .?	5030	$. 00	Last month	x1☐ DK x2☐ Ref. x3☐ None
		5032	$. 00	2 months ago	x1☐ DK x2☐ Ref. x3☐ None
		5034	$. 00	3 months ago	x1☐ DK x2☐ Ref. x3☐ None
		5036	$. 00	4 months ago	x1☐ DK x2☐ Ref. x3☐ None
☐	**5.** What was the average amount in savings/Money market deposit accounts/CD's/Interest-earning checking accounts held jointly by husband and wife? *(Item 2c, page 48)*	5038	Amounts for the period of – ☐ through ☐ $. 00		x1☐ DK x2☐ Ref.
☐	**6.** What was the average amount in savings/Money market deposit accounts/CD's/Interest-earning checking accounts in own name? *(Item 3c, page 48)*	5040	$. 00		x1☐ DK x2☐ Ref.
☐	**7.** What was the average amount in Money market funds/securities/ bonds held jointly by husband and wife? *(Item 2c, page 49)*	5042	$. 00		x1☐ DK x2☐ Ref.
☐	**8.** What was the average amount in Money market funds/securities/ bonds in own name? *(Item 3c, page 49)*	5044	$. 00		x1☐ DK x2☐ Ref.
☐	**9.** What was the amount received in dividends by husband and wife jointly? *(Item 1b, page 50)*	5048	$. 00		x1☐ DK x2☐ Ref. x3☐ None
☐	**10.** What was the amount received in dividends in own name? *(Item 2a, page 50)*	5050	$. 00		x1☐ DK x2☐ Ref. x3☐ None

CALLBACK SUMMARY

CALLBACK SUMMARY (Continued)

		Business 1	Business 2
☐	**11a.** What were the gross receipts of this (business/practice) in 1990? *(Item 2h, page 55)*	9676 $ ____ . 00 x1☐ DK x2☐ Ref.	9682 $ ____ . 00 x1☐ DK x2☐ Ref.
☐	**11b.** What were the total expenses of this (business/practice) in 1990? *(Item 2i, page 55)*	9678 $ ____ . 00 x1☐ DK x2☐ Ref.	9684 $ ____ . 00 x1☐ DK x2☐ Ref.
☐	**12.** What was the net income from this business/practice) in 1990? *(Item 2k, page 56)*	9680 $ ____ . 00 x1☐ DK x2☐ Ref.	9686 $ ____ . 00 x1☐ DK x2☐ Ref.

CHECK ITEM C2

Has an interview been conducted for all household members 15 + ?

5052
1 ☐ Yes — *Enter finish time on cover page, fill cc items 36 and 39 and END INTERVIEW*
2 ☐ No — *Enter finish time for this household member, THEN interview next 15 + household member*

NOTES

CALLBACK-SUMMARY

INCOME SOURCE LIST

INCOME LIST

Code	Type	Code	Type
1	Social Security	28	Child support payments
2	U.S. Government Railroad Retirement pay	29	Alimony payments
3	Federal Supplemental Security Income (SSI)	30	Pension from company or union
4	State Supplemental Security Income (State administered SSI only)	31	Federal Civil Service or other Federal civilian employee pensions
5	State unemployment compensation	32	U.S. Military retirement pay
6	Supplemental Unemployment Benefits	33	National Guard or Reserve Forces retirement
7	Other unemployment compensation (Trade Adjustment Act benefits, strike pay, other)	34	State government pensions
8	Veterans' compensation or pensions	35	Local government pensions
9	Black lung payments	36	Income from paid-up life insurance policies or annuities
10	Workers' 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
13	Payments from a sickness, accident or disability insurance policy purchased on your own	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 relatives 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
27	Food stamps	56	Other cash income not included elsewhere

ASSET LIST

Code	Type
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	Interest-earning checking accounts (such as NOW or Super NOW accounts)
104	Money market funds
105	U.S. Government securities
106	Municipal or corporate bonds
107	Other interest-earning assets
110	Stocks or mutual fund shares
120	Rental property
130	Mortgages
140	Royalties
150	Other financial investments

SPECIAL INDICATORS

Code	Type
170	Worked
171	Disabled
172	Medicare
173	Medicaid
174	U.S. Savings Bonds (E, EE)
175	College work study
176	PELL Grant
177	Supplemental Educational Opportunity Grant (SEOG)
178	National Direct Student Loan (NDSL)
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%

INCOME SOURCE SUMMARY (ISS)

INSTRUCTION — Column (a) shows the income source code. In column (b), mark (X) for all sources from which income was received during the reference period. In column (c), enter the code to indicate whether the respondent used records to verify or provide amounts. Column (d) shows the type of income source. The Amounts section should be filled starting with the page number shown in column (e) for those income sources which have been marked.

PGM 9

ISS code (a)	Mark (X) (b)	Record use code 1 = Yes 2 = No 3 = Ref. 4 = Sp. Q. (c)	Type of income source and income source code (d)	Amounts section page number (e)
			INCOME CODES 1-7	
1			Social Security	
2			U.S. Government Railroad Retirement pay	
3			Federal Supplemental Security Income (SSI)	
5			State Unemployment compensation	
6			Supplemental Unemployment Benefits	
			INCOME CODES 8-13	
8			Veterans' compensation or pensions	
			INCOME CODES 20-29	
20			Aid to Families with Dependent Children (AFDC, ADC)	
24			Other Welfare — *Specify*	
25			WIC (Women, Infants, and Children Nutrition Program)	
27			Food Stamps	(A) - 24 28 32 36 40 44
28			Child Support payments	
29			Alimony payments	
			INCOME CODES 30-38	
30			Pension from company or union	
			INCOME CODES 40-41	
40			GI Bill education benefits	
			INCOME CODES 50-56	
55			Incidental or casual earnings	
			ASSET CODES 100-150	
			Interest Earning Assets	
100			Regular/passbook/savings accounts in a bank, savings and loan or credit union	
101			Money market deposit accounts	(B)-48
102			Certificates of Deposit or other savings certificates	
103			Interest-earning checking accounts (such as NOW or Super NOW accounts)	
104			Money market funds	
105			U.S. Government securities	
106			Municipal or corporate bonds	(C) - 49
107			Other interest-earning assets	
110			Stocks or mutual fund shares	(D) - 50
120			Rental property	(E) - 51
130			Mortgages	
140			Royalties	(F) - 52
150			Other financial investments	
			SPECIAL INDICATOR CODES 170-183, 200, 201	
170			Worked	Section 2
171			Disabled	
172			Medicare	
173			Medicaid	
174			U.S. Savings Bonds	
200			VA disability rating of 100%	*DO NOT FILL*
201			VA disability rating of less than 100%	

PRE-INTERVIEW TRANSCRIPTION ITEMS

Fill the following items with a red pencil.

Item	Page
11a, Start time (Cover page)	1
2—4, 5b, 5c, 6	1
Check Item N1	1
Check Item R6	4
Income Roster, 11b, columns (2) and (3)	5
Check Item R7	4
Check Item R8	5
Asset Roster, 28b, columns (2) and (3)	12
Check Item R31	12
Check Item T1	54
Check Item T19	61
11a, Finish time (Cover page)	1

APPENDIX C

Working Papers

This appendix provides a list of a SIPP Working Papers. Any of these papers are free of charge. See the order form on page C-7.

1990

9001 - "Recent Developments in the Survey of Income and Program Participation", Census Bureau

9002 - "An Analysis of Leaving Home Using Data From the 1984 Panel of the SIPP", by Alden Speare, Roger Avery, Frances Goldscheider, Brown University

9003 - "The Effect of the Marriage Market on First Marriages: Evidence From SIPP", John Fitzgerald, Bowdoin College

9004 - "Counting Spells of Unemployment", Paul Ryscavage and Kathleen Short, Census Bureau

9005 - "The Elderly and Their Sources of Income: Implications for Rural Development", Robert Hoppe, Economic Research Service, U.S. Department of Agriculture

9006 - "Alternative Estimates of Economic Well-Being by Age Using Data on Wealth and Income, Daniel Radner, Social Security Administration

9007 - "Longitudinal Analysis of Federal Survey Data", Patricia Ruggles, Joint Economic Committee

9008 - "Measurement Errors in SIPP Program Reports", Kent H. Marquis and Jeffrey C. Moore, Census Bureau

1989

8901 - "Quality of SIPP Estimates," R. P. Singh, L. Weidman, and G. Shapiro, Census Bureau

8902 - "Two Notes on Sampling Variance Estimates from the 1984 SIPP Public-Use Files," by B. Bye and S. J. Gallicchio, Social Security Administration

8903 - "Longitudinal vs. Retrospective Measures of Work Experience," P. Ryscavage and J. Coder, Census Bureau

8904 - "Analyzing the Characteristics of Blacks: A Comparison of Data from SIPP and CPS," R. Farley and L. J. Neidert, University of Michigan

8905 - "Enhanced Demographic-Economic Data Sets," R. Herriot, C. Bowie, D. Kasprzyk, and S. Haber, Census Bureau

8906 - "Reflections on the Income Estimates from the Initial Panel of The Survey of Income and Program Participation (SIPP)," D. Vaughan, Social Security Administration

8907 - "Measuring Spells of Unemployment and Their Outcomes," P. Ryscavage, Census Bureau

8908 - "Welfare Dependency and its Causes: Determinants of the Duration of Welfare Spells," P. Ruggles, The Urban Institute

8909 - "Measuring the Duration of Poverty Spells," P. Ruggles, The Urban Institute and R. Williams, Congressional Budget Office

8910 - "Methods of Processing Unit Data Longitudinally on the SIPP," K. Smith, Congressional Budget Office

8911 - "Composite Estimation for SIPP Annual Estimates," R. P. Chakrabarty, Census Bureau

8912 - "Research and Evaluation Conducted on the Survey of Income and Program Participation," R. Petroni, T. Carmody, and V. Huggins, Census Bureau

8913 - "A Poisson Model of Response and Procedural Error Analysis of SIPP Reinterview Data," D. Hill, University of Michigan

8914 - "The Economic Resources of the Edlerly," S. Crystal and D. Shea, Rutgers University

8915 - "Multivariate Analysis by Users of SIPP Micro-Data Files," R. P. Chakrabarty, Census Bureau

8916 - "A Resource-Based Model of Living Arrangements Among the Unmarried Elderly," J. E. Mutchler and J. A. Burr, University of Buffalo

8917 - "Measuring Household Change at The individual Level Using Data From SIPP," A. Speare, Jr. and R. Avery, Brown University

8918 - "The Effect of Child Care Costs on Married Women's Labor Force participation," R. Connelly, Bowdoin College

8919 - "Income and Assets of Social Security Beneficiaries by Type of Benefit," S. Grad, Social Security Administration

8920 - "Development and Evaluation of a Survey-Based Type of Benefit Classification for the Social Security Program," D. Vaughan, Social Security Administration

8921 - "Wave Seam Effects in the SIPP," N. Young, The Urban Institute

8922 - "Components of Longitudinal Household Change for 1984-1985: An Evaluation of National Estimates from the SIPP," by Donald J. Hernandez, Bureau of the Census

8923 - "Database Design for Large-Scale Complex Data," by Martin H. David and Alice Robbin, University of Wisconsin-Madison

8924 - "Measuring the Frequency and Consequences of Job Separations: Data from the Survey of Income and Program Participation," by John M. McNeil and Enrique J. Lamas, Bureau of the Census

8925 - "The Regular Receipt of Child Support: A Multi-step Process," by James L. Peterson and Christine Winquist Nord, Child Trends, Inc.

1988

8801 - "The Impact of the Unit of Analysis on Measures of Serial Multiple Program Participation," by P. Doyle and S. E. Long, Mathematica Policy Research, Inc.

8802 - "Short-Term Fluctuations in Income and Their Impacts on the Characteristics of the Low-Income Population: New Data From the Survey of Income and Program Participation," by P. Ruggles, Urban Institute

8803 - "Residential Mobility of One-Person Households," by J. Witte and H. Lahmann, German Institute for Economic Research

8804 - "Year-Apart Estimates of Household Net Worth From the Survey of Income and Program Participation," by John M. McNeil and Enrique J. Lamas, Bureau of the Census

8805 - "Measuring Poverty and Crises: A Comparison of Annual and Subannual Accounting Program Participation," by Martin David and John Fitzgerald, Institute for Research on Poverty

8806 - "Using Administrative Record Data to Evaluate the Quality of Survey Estimates," by Jeffrey C. Moore and Kent H. Marquis, Bureau of the Census

8807 - "The Wealth of the Aged and Nonaged, 1984," by Daniel B. Radner, HHS

8808 - "Examining the Dynamics of Health Insurance Loss: A Tale of Two Cohorts," by Alan C. Monheit and Claudia L. Schur, NCHSR

8809 - "The Dynamics of Medicaid Enrollment," by Pam Farley Short, Joel C. Cantor, and Alan C. Monheit, NCHSR

8810 - "The Discouraged Worker Effect: A Reappraisal Using Spell Duration Data," by Alberto Martini, University of Wisconsin-Madison

8811 - "Income as a Proxy for the Economic Status of the Elderly," by Deborah J. Chollet and Robert B. Friedland, Employee Benefit Research Institute

8812 - "The SIPP: Data from the Social Security Administration's 1987 Annual Statistical Supplement"

8813 - "Participation in Industrial Training Programs," by Sheldon Haber, George Washington University

8814 - "A Methodological Study Using Administrative Records: The Special Frames Study of the Income Survey Development Program," by W. J. Logan, Social Security Administration, D. Kasprzyk and R. Cavanaugh, Census Bureau

8815 - "The Effect of Income Taxation on Labor Supply When Deductions are Endogenous," by R. K. Thriest, Johns Hopkins University

8816 - "A Comparison of Gross Change in Labor Force Status From SIPP and CPS," by P. Ryscavage and A. Feldman-Harkins, Census Bureau

8817 - "How are the Elderly Housed? New Data from the 1984 Survey of Income and Program Participation," by A. Goldstein, Census Bureau

8818 - "Welfare Recipiency as Observed in the SIPP," by J. Coder, Census Bureau and P. Ruggles, The Urban Institute

8819 - "Reservation Wages and Subsequent Acceptance Wages of Unemployed Persons," by P. Ryscavage, Census Bureau

8820 - "Selected References From the Income Survey Development Program (ISDP) and Survey of Income and Program Participation (SIPP)"

8821 - "Training, Wage Growth, Firm Size," by S. Haber, The George Washington University and E. Lamas, Census Bureau

8822 - "Defining and Measuring Normetro Poverty: Results From The Survey of Income and Program Participation," by R. Hoppe, USDA-ERS-ARED

8823 - "Nonresponse Adjustment Methods For Demographic Surveys at the U.S. Bureau of the Census," by R. Singh and R. Petroni, Census Bureau

8824 - "Testing Telephone Interviewing in the Survey of Income and Program Participation and Some Early Results," by S. Durant and P. Gbur, Census Bureau

8825 - "Excluding Sample That Misses Some Interviews From SIPP Longitudinal Estimates," by L. Ernst and D. Gillman, Census Bureau

8826 - "The Employment of Mothers and the Prevention of Poverty," by M. Hill, University of Michigan and H. Hartmann, Rutgers University

8827 - "Using Administrative Record Data To Describe SIPP Response Errors," by J. Moore and K. Marquis, Census Bureau

8828 - "A Look at Welfare Dependency Using The 1984 SIPP Panel File," by J. Coder, D. Burkhead, and A. Feldman-Harkins, Census Bureau

8829 - "Census Bureau Microdata: Providing Useful Research Data While Protecting The Anonymity of Respondents ," by G. Gates, Census Bureau

8830 - "The Survey of Income and Program Participation: An Overview and Discussion of Research Issues," by D. Kasprzyk, Census Bureau

1987

8701 - "Tracking Persons Over Time," by A. C. Jean and E. K. McArthur, Census Bureau

8702 - "Preliminary Data From the SIPP 1983-84 Longitudinal Research File," by J. F. Coder, D. Burkhead. A. Feldman-Harkins, and J. McNeil, Census Bureau

8703 - "Work Experience Data From SIPP," by P. Ryscavage and A. Feldman-Harkins, Census Bureau

8704 - "The Treatment of Person -Wave Nonresponse in Longitudinal Surveys," by G. Kalton, J. Lepkowski, S. Heeringa, Ting-Kwong Lin, and M. E. Miller, Survey Research Center, University of Michigan

8705 - "SIPP: Filling Data Gaps on the Poverty and Social Welfare Fronts," by P. Ryscavage, Census Bureau

8706 - "Response Errors in Labor Surveys: Comparisons Self and Proxy," by D. Hill University of Michigan

8707 - "Differences Between SIPP and Food and Nutrition Service Program Data on Child Nutrition and WIC Program Participation, by L. Ku and R. Dalrymple, Food and Nutrition Service, U.S. Department of Agriculture

8708 - "Quality Profile for the Survey of Income and Program Participation," by K. King, R. Petroni, and R. Singh, Census Bureau

8709 - "Survey of Income and Program Participation SIPP Sample Loss and the Efforts to Reduce It," by D. Nelson, C. Bowie, and A. Walker, Census Bureau

8710 - "The Impact of Imputation Procedures on Distributional Characteristics of the Low Income Population," by P. Doyle, Mathematica Policy Research, Inc., and R. Dalrymple, Food and Nutrition Service, U. S. Department of Agriculture

8711 - "Job Tenure, Lifetime Work Interruptions and Wage Differentials," by J. McNeil, E. Lamas, Census Bureau, and S. Haber, George Washington University

8712 - "Measuring the Bias in Gross Flows in the Presence of Auto-Correlated Response Errors," by D. Hubble, Census Bureau, and D. Judkins, Westat, Inc.

8713 - "Investigation of Possible Causes of Transition Patterns from SIPP," by L. Weidman, Census Bureau

8714 - "Households and Income Sources: Monthly Averages for 1984," by J. Moorman, Census Bureau

8715 - "Creating SIPP Longitudinal Files Using OSIRIS IV," by M. Servais, University of Michigan

8716 - "Transition In and Out of Poverty: New Data From the Survey of Income and Program Participation," by P. Ruggles, Urban Institute and R. Williams, Congressional Budget Office

8717 - "On their own: The Self-employed and Others in Private Business," by S. Haber, George Washington University, E. Lamas Bureau of the Census, and J. Lichtenstein, U.S. Small Business Administration.

8718 - "Factors Associated With Household Net Worth," by E. Lamas and J. McNeil, Bureau of the Census

8719 - "Exploring Changes in Health Care Coverage Using the SIPP Longitudinal Research File," by D. Burkhead and A. Feldman, Bureau of the Census

8720 - "The Analysis of Geographical Mobility and Life Events with the SIPP," by D. Dahmann and E. McArthur, Bureau of the Census

8721 - "A Review of the Use of Administrative Records in the Survey of Income and Program Participation, by C. Bowie and D. Kasprzyk, Census Bureau

8722 - "Survey of Income and Program Participation Update," by D. Kasprzyk, Bureau of the Census

8723 - "Measuring Poverty with the SIPP and the CPS," by R. Williams, Congressional Budget Office

8724 - "The Statistical Invisible Minority Aged," by C. Taeuber, Bureau of the Census,and E. Attah, Atlanta University

8725 - "An Analysis of the SIPP Asset and Liability Feedback Experiment," by E. Lamas and J. McNeil, Bureau of the Census

1986

8601 - "Some Aspects of SIPP," compiled and edited by R. A. Herriot and D. Kasprzyk, Census Bureau

8602 - "Nonsampling Error Issues in the SIPP," by G. Kalton, University of Michigan, and D. B. McMillen and D. Kasprzyk, Census Bureau

8603 - "An Investigation of Model-Based Imputation Procedures Using Data From the Income Survey Development Program," by V. J. Huggins and L. Weidman, Census Bureau

8604 - "Food Stamp Participation: A Comparison of SIPP With Administrative Records," by S. Carlson and R. Dalrymple, Food and Nutrition Service

8605 - "SIPP Longitudinal Household Estimation for the Proposed Longitudinal Definition," by L. R. Ernst, Census Bureau

8606 - "A Comparison of Seven Imputation Procedures for the 1979 Panel of the Income Survey Development Program," by V. J. Huggins, Census Bureau

8607 - "An Investigation of the Imputation of Monthly Earnings for the Survey of Income and Program Participation Using Regression Models," by V. J. Huggins and L. Weldman, 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

SIPP WORKING PAPERS
ORDER FORM

These papers are free of charge. To receive any of these papers, put a check by the appropriate number and mail this form to:

Data User Services Division
Customer Services
Bureau of the Census
Washington, DC 20233

If you request papers by phone, please contact Carmen Campbell on (301) 763-2005.

SIPP WORKING PAPERS

1984/1985

____ 8401
____ 8501
____ 8502
____ 8503
____ 8504
____ 8505
____ 8506
____ 8507

1986

____ 8601	____ 8608
____ 8602	____ 8609
____ 8603	____ 8610
____ 8604	____ 8611
____ 8605	____ 8612
____ 8606	____ 8613
____ 8607	____ 8614

1987

____ 8701	____ 8707	____ 8715	____ 8722
____ 8702	____ 8709	____ 8716	____ 8723
____ 8703	____ 8710	____ 8717	____ 8724
____ 8704	____ 8711	____ 8718	____ 8725
____ 8705	____ 8712	____ 8719	
____ 8706	____ 8713	____ 8720	
____ 8707	____ 8714	____ 8721	

1988

____ 8801	____ 8808	____ 8815	____ 8822	____ 8829
____ 8802	____ 8809	____ 8816	____ 8823	____ 8830
____ 8803	____ 8810	____ 8817	____ 8824	
____ 8804	____ 8811	____ 8818	____ 8825	
____ 8805	____ 8812	____ 8819	____ 8826	
____ 8806	____ 8813	____ 8820	____ 8827	
____ 8807	____ 8814	____ 8821	____ 8828	

1989

____ 8901	____ 8908	____ 8915	____ 8922
____ 8902	____ 8909	____ 8916	____ 8923
____ 8903	____ 8910	____ 8917	____ 8924
____ 8904	____ 8911	____ 8918	____ 8925
____ 8905	____ 8912	____ 8919	
____ 8906	____ 8913	____ 8920	
____ 8907	____ 8914	____ 8921	

1990

____ 9001	____ 9005
____ 9002	____ 9006
____ 9003	____ 9007
____ 9004	____ 9008

APPENDIX D

Machine-Readable Data Dictionary Layout

Data dictionary lines are 46 characters. The character on the first position determines the type of lines. Each variable may have the following lines:

1. COMMENTS (" * ") lines
2. DATA DICTIONARY (" D ") ; line and DATA DESCRIPTION
3. UNIVERSE (" U ") lines
4. VALUE DESCRIPTION lines
5. One blank line at the end

FORMAT

"*" LINE COMMENTS

a. " * " in the first position indicates that this is a comment line. This line can appear any place in the dictionary. It will be used for short comments or to nullify any value codes.

b. " ** " in the first two positions is also comments but it has additional meaning. It indicates this is a block of comments which will be applied to several variables. The first line of this block will ave the COMMENT NO. so that subsequent variable can refer back to this comment block.

"D" LINE DATA DICTIONARY

This line contains the following information:

ID	"D"	COL.	1-1
NAME	Variable name	COL.	3-10
SIZE	Size of data field	COL.	14-15
BEGIN	Begin position of data field	COL.	19-22
TYPE	Character variable indicator "CHAR" or blanks if numeric variable	COL.	26-29
DEC	Implied decimal places	COL.	33-34
IND	TABLE variable indicator "TABLE" with "(aa)" for its dimension; otherwise blanks	COL.	38-46

Text describing the variable will follow this "D" line. Use COL. 6-46 and repeat as many lines as necessary.

"U" LINE UNIVERSE DEFINITION

This line contains the universe definition. Use COL. 3-46 and repeat as many lines as necessary.

ID	" U "	COL.	1-1
DESCRIPTION	Universe description	COL.	3-46

(For continuation use COL. 3-46 and repeat as many lines as necessary.)

"V" LINE VALUE DEFINITION

ID	" V "	COL.	1-1
VALUE	Value code-right justified	COL.	3-12
.	"."	COL.	14
DESCRIPTION	Value description	COL.	15-46

(Repeat COL. 14-46 format for continued value description.)

APPENDIX E

User Notes

This section is reserved for any information relevant to the SIPP 1990 Panel, Wave 5 Topical Module 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.