

**Survey of Income and Program  
Participation (SIPP)  
1991 Panel  
Wave 5 Topical Module Microdata File**

**TECHNICAL DOCUMENTATION**  
SIPP-91-5T

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**SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)**

**1991 PANEL**

**WAVE 5 TOPICAL MODULE MICRODATA FILE**

**Technical Documentation**

Washington, D.C.

1993



**U.S. DEPARTMENT OF COMMERCE**

**Ronald H. Brown, Secretary**

**Economic and Statistics Administration**

**Bureau Of The Census**

**Harry A. Scarr, Acting Director**



**BUREAU OF THE CENSUS**

Harry A. Scarr, Acting Director

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The file should be cited as follows:

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## ABSTRACT

*Survey of Income and Program Participation (SIPP) 1991 Panel Wave 5 Topical Module Microdata File [machine-readable data file] / conducted by the U.S. Bureau of the Census. Washington: The Bureau [producer and distributor], 1993.*

### Type of File:

Microdata; unit of observation is an individual.

### Universe Description:

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

### Subject-Matter Description:

The file contains data primarily from the topical module portion of the questionnaire. However, for purposes of matching persons to the core file, which was released separately, the beginning of the file contains identifying information as well as some basic demographic and social characteristics that are also contained in the core file. The identifying information includes sample unit, household address, and entry address identification. Demographic and social characteristics include age, sex, race (White; Black; American Indian, Eskimo, and Aleut; Asian or Pacific Islander; and Other), ethnic origin (23 categories including 7 Spanish origin categories), marital status, and education. Data in this topical module file include annual income and retirement accounts, taxes, and school enrollment and financing.

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

SIPP is a longitudinal survey where each sampled household and each descendent household is reinterviewed at 4-month intervals for 8 interviews or "waves." This file contains the results of the 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 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:** 37,423 logical records; 180 character logical record length.

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

## Reference Materials:

*Survey of Income and Program Participation (SIPP) 1991 Panel, Wave 5 Topical Module Microdata File Technical Documentation.* The documentation includes this abstract, the data dictionary, an index to the data dictionary, relevant code lists, a questionnaire facsimile, and general information relative to SIPP. One copy of the technical documentation accompanies each file order but also may be purchased separately for \$25 from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233.

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

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

## Related Printed Reports:

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

## Related Machine-Readable Data Files:

SIPP files from all Waves of the 1984 through 1990 Panels as well as Waves 1 through 4 of 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) 1991 Panel, Wave 5 Topical Module File is available at either 6250 or 1600 bpi; ASCII or EBCDIC, labeled or unlabeled. The file is also available on tape cartridges (IBM 3480 compatible). A machine-readable dictionary is contained at the end of the file. When ordering, please use the order form on the following page.

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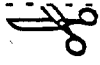
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## FILE INFORMATION

### Matching Topical Module File with Core File

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

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

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

### Geographic Coverage

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

### Identification Number System

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

The various components of the identification scheme are listed below:

- Sample Unit Identification Number
- Address ID
- Entry Address ID
- Person Number

## **SIPP 1991 WAVE 5 TOPICAL MODULE**

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 owned or rented. If the house is owned jointly by a married couple, either the husband or the wife may be listed first, thereby becoming the reference person, or householder, to whom the relationship of the other household members is recorded. One person in each household is designated as the 'householder.' The number of householders, therefore, is equal to the number of households.

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

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

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

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

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

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

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

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

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

Cash income includes all income received from any of the sources listed in Appendix B-1. Rebates, refunds, loans, and capital gain or loss amounts from the sale of assets, and interhousehold transfers of cash such as allowances are not included. Accrued interest on Individual Retirement Accounts, KEOUGH retirement plans, and U.S. Savings bonds are also excluded. This definition differs somewhat from that used in the annual income reports based on the March CPS Income supplement questionnaire. These data, published in the Consumer Income Series, P-6Q, 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.

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Pell Grant, Amount Received From .....	TM9642 .....	108
Person Number of Parent .....	PNPT .....	57
Person Number of Spouse .....	PNSP .....	54
Person Number, Edited.....	PNUM .....	32
Race of Respondent.....	RACE .....	52
Receipt of Educational Assistance .....	TM9626 .....	89
Relationship to Reference Person, Edited.....	RRP .....	47
Rotation Group.....	ROTATION .....	15
School Enrollment Status .....	TM9610 .....	69
SEOG, Amount Received From.....	TM9646 .....	113
Sequence Number of Sample Unit.....	SUSEQNUM .....	1
Sex - Edited and Imputed .....	SEX .....	51
State Code, FIPS.....	STATE .....	16

<u>Item</u>	<u>Mnemonic</u>	<u>Position</u>
Supplement Educational Opportunity Grant(SEOG).....	TM9644 .....	112
Tuition Reduction Educational Assistance.....	TM9668 .....	145
Tuition Reduction, Amount Received From .....	TM9670 .....	146
Veteran's Educational Assistance Program .....	TM9632 .....	96
Veteran's Programs, Amount Received From.....	TM9634 .....	97
Wave Number Within Panel .....	WAVE .....	65
Weight, Second Stage Factor.....	FINALWGT.....	35



## VARIABLE LISTING TO 1991 WAVE 5 TOPICAL MODULE

<u>Mnemonic</u>	<u>Item</u>	<u>Position</u>
ADDID	Address Identification	20
AGE	Age as of Last Birthday - Edited and Imputed	48
ENTRY	Address Identification - Edited Entry	30
ETHNICTY	Ethnic Origin	63
FINALWGT	Weight, Second Stage Factor	35
GRD-CMPL	Grade Attended Was Completed, Highest	62
HIGRADE	Grade or Year of School Attended, Highest	60
ID	Identifier, Sample Unit	6
INTVW	Interview Status, Person's	24
ITEM36B	Interview Status Code	22
MS	Marital Status	53
PINX	Index From Core, Person	18
PNPT	Person Number of Parent	57
PNSP	Person Number of Spouse	54
PNUM	Person Number, Edited	32
PP-MIS1:5	Interview Status for Persons, Monthly	25
ROTATION	Rotation Group	15
RRP	Relationship to Reference Person, Edited	47
RACE	Race of Respondent	52
SEX	Sex - Edited and Imputed	51
STATE	State Code, FIPS	16
SUSEQNUM	Sequence Number of Sample Unit	1
TM-IFC1:18	Imputation Flags for Education and Training	158
TM9610	School Enrollment Status	69
TM9612	Grade in Which Enrolled	70
TM9614	Enrolled in Elementary or High School	72
TM9616	Enrolled in Public School	73
TM9618	Cost of Tuition and Fees, Total	74
TM9620	Cost of Books and Supplies, Total	79
TM9622	Live Away From Home While Attending	83
TM9624	Cost for Room and Board, Total	84
TM9626	Receipt of Educational Assistance	89
TM9628	GI Bill Educational Assistance	91
TM9630	GI Bill, Amount Received From	92
TM9632	Veteran's Educational Assistance Program	96
TM9634	Veteran's Programs, Amount Received From	97
TM9636	College Work Study Program	102
TM9638	College Work Study, Amount Received From	103
TM9640	Pell Grant Educational Assistance	107
TM9642	Pell Grant, Amount Received From	108
TM9644	Supplement Educational Opportunity Grant(SEOG)	112
TM9646	SEOG, Amount Received From	113
TM9648	National Direct Student Loan	117
TM9650	National Direct Loan, Amount Received From	118
TM9652	Guaranteed Student Loan	122
TM9654	Guaranteed Student Loan, Amount Received From	123
TM9656	JTPA Training Educational Assistance	128
TM9658	JTPA Training Program, Amount Received From	129
TM9660	Employer Educational Assistance	133

<u>Mnemonic</u>	<u>Item</u>	<u>Position</u>
TM9662	Employer Assistance, Amount Received From	134
TM9664	Fellowship or Scholarship Assistance	139
TM9666	Fellowship or Scholarship, Amount Received From	140
TM9668	Tuition Reduction Educational Assistance	145
TM9670	Tuition Reduction, Amount Received From	146
TM9672	Educational Assistance, Other Type of	150
TM9674	Educational Assistance From Other Source-Amount	151
TMETCNT	Number of Educational Assistance Sources	156
TMTEDFIN	Educational Assistance, Total Amount of	176
WAVE	Wave Number Within Panel	65

## HOW TO USE THE DATA DICTIONARY

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

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

**Data.** Alphabetic, numeric, and the special character (-). No other special characters are used. It may be a mnemonic such as "STATE" or "SE1-OCC", or a sequential identifier such as "SC1176" or "WS-IMP01". Data item names are unique throughout the entire file.

**Size.** Numeric. The size of a data item is given in characters. Indication of implied decimal places is provided in notes.

**Begin.** Numeric. Contains the location in the data record of the first character position of the data item field.

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

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

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

# SIPP 1991 WAVE 5 TOPICAL MODULE DATA DICTIONARY

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			
	01		.Alabama
	04		.Arizona
	05		.Arkansas
	06		.California
	08		.Colorado
	09		.Connecticut
	10		.Delaware
	11		.District Of Columbia
	12		.Florida
	13		.Georgia
	15		.Hawaii
	17		.Illinois
	18		.Indiana
	20		.Kansas
	21		.Kentucky
	22		.Louisiana
	24		.Maryland
	25		.Massachusetts
	26		.Michigan
	27		.Minnesota
	28		.Mississippi
	29		.Missouri
	31		.Nebraska
	32		.Nevada
	33		.New Hampshire
	34		.New Jersey
	35		.New Mexico
	36		.New York
	37		.North Carolina
	39		.Ohio
	40		.Oklahoma
	41		.Oregon
	42		.Pennsylvania
	44		.Rhode Island
	45		.South Carolina
	47		.Tennessee
	48		.Texas
	49		.Utah
	51		.Virginia
	53		.Washington
	54		.West Virginia
	55		.Wisconsin
	61		.Maine, Vermont
	62		.Iowa, North Dakota, South Dakota
	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 .or storage
V	14		.Unoccupied site for mobile home, .trailer, or tent
V	15		.Permit granted, construction not .started
V	16		.Other Type B
V			.Type B noninterview (Wave 2+)
V	16		.Entire hh institutionalized .or temporarily ineligible
V			.Type C noninterview (Wave 1)
V	17		.Demolished
V	18		.House or trailer moved
V	19		.Converted to permanent business .or storage
V	20		.Merged
V	21		.Condemned
V	22		.Other Type C
V			.Type C noninterview (Wave 2+)
V	22		.Deleted (sample adjustment, .error)
V	23		.Entire household deceased, .moved out of country, or .living in armed forces barracks
V			.Type D noninterview (Wave 2+)
V	24		.Moved, address unknown
V	25		.Moved within country beyond .limit
V	26		.All sample persons relisted on .new control card(s)
V	28		.Merged households across panels
D INTVW	1	24	Person's interview status
U All persons, including children			
V	0		.Not applicable (children .under 15)
V	1		.Interview (self)
V	2		.Interview (proxy)
V	3		.Noninterview - Type Z refusal
V	4		.Noninterview - Type Z other

SIPP 1991 TOPICAL MODULE WAVE 5

DATA SIZE BEGIN  
 D PP-MIS1 1 25  
 Monthly person's interview status  
 U All persons, including children  
 V 1 .Interview  
 V 2 .Non-interview  
 D PP-MIS2 1 26  
 Monthly person's interview status  
 U All persons, including children  
 V 1 .Interview  
 V 2 .Non-interview  
 D PP-MIS3 1 27  
 Monthly person's interview status  
 U All persons, including children  
 V 1 .Interview  
 V 2 .Non-interview  
 D PP-MIS4 1 28  
 Monthly person's interview status  
 U All persons, including children  
 V 1 .Interview  
 V 2 .Non-interview  
 D PP-MIS5 1 29  
 Monthly person's interview status  
 U All persons, including children  
 V 1 .Interview  
 V 2 .Non-interview  
 D ENTRY 2 30  
 Edited entry address ID  
 Address of the household that this  
 person belonged to at the time this  
 person first became part of the sample  
 U All persons, including children  
 D PNUM 3 32  
 Edited person number  
 U All persons, including children  
 D FINALWGT 12 35  
 'STAGE1WT' \* second stage factor.  
 U All persons, including children  
 D RRP 1 47  
 Edited relationship to reference person  
 U All persons, including children  
 V 0 .Not a sample person in this  
 .month  
 V 1 .Household reference person,  
 .living with relatives  
 V 2 .Household reference person  
 .living alone or with only  
 .non-relatives (primary  
 .individual)  
 V 3 .Spouse of household reference  
 .person  
 V 4 .Child of household reference  
 .person  
 V 5 .Other relative of household  
 .reference person  
 V 6 .Non-relative of household  
 .reference person but related  
 .to others in the household -  
 .member of an unrelated  
 .sub(secondary) family  
 V 7 .Non-relative of household  
 .reference person and not  
 .related to anyone else  
 .in the household(secondary  
 .individual)

DATA SIZE BEGIN  
 D AGE 3 48  
 Edited and imputed age as of last  
 birthday.  
 U All persons, including children  
 V 000 .Less than 1 full year  
 V 001 .1 year  
 V .etc.  
 D SEX 1 51  
 Sex of this person  
 Edited and imputed  
 U All persons, including children  
 V 1 .Male  
 V 2 .Female  
 D Race 1 52  
 Race of this person  
 Edited and imputed  
 U All persons, including children  
 V 1 .White  
 V 2 .Black  
 V 3 .American Indian, Eskimo or Aleut  
 V 4 .Asian or Pacific Islander  
 D MS 1 53  
 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  
 V 0 .Not a sample person in this  
 .month  
 V 1 .Married, spouse present  
 V 2 .Married, spouse absent  
 V 3 .Widowed  
 V 4 .Divorced  
 V 5 .Separated  
 V 6 .Never married  
 D PNSP 3 54  
 Person number of spouse  
 U Persons 15 years old or older  
 V 000 .Not a sample person in this  
 .month  
 V 999 .Not applicable  
 D PNPT 3 57  
 Prson number of parent  
 U Persons 15 years old or older  
 V 000 .Not a sample person in this  
 .month  
 V 999 .Not applicable  
 D HIGRADE 2 60  
 What is the highest grade or year of  
 regular school this person attended?  
 U Persons 15 years old or older  
 V 00 .Not applicable if under 15,  
 .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 62  
 Did he/she complete that grade  
 U Persons 15 years old or older  
 V 0 .Not applicable  
 V 1 .Yes  
 V 2 .No

*all cases*



SIPP 1991 TOPICAL MODULE WAVE 5

DATA            SIZE   BEGIN

D TM9628        1       91  
 The GI bill?  
 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       92  
 Percent received from GI bill  
 U Persons enrolled in other than public school who received educational assistance from the GI bill  
 V 0000-0100 .Percent of total assistance

D TM9632        1       96  
 Other veteran's educational assistance programs? (Include survivors and dependents, vocational rehabilitation and post-Vietnam veterans assistance.)  
 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       97  
 Percent received from veteran's programs  
 U Persons enrolled in other than public school who received educational assistance from veteran's programs  
 V 0-00100 .Percent of total assistance

D TM9636        1       102  
 College work study program?  
 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       103  
 Percent received from college work study program  
 U Persons enrolled in other than public school who received educational assistance from college work study program  
 V 0000-0100 .Percent of total assistance

D TM9640        1       107  
 A Pell grant?  
 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       108  
 Percent received from Pell grant  
 U Persons enrolled in other than public school who received educational assistance from Pell grant  
 V 0000-0100 .Percent of total assistance

DATA            SIZE   BEGIN

D TM9644        1       112  
 A Supplemental Educational Opportunity Grant(SEOG)  
 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       113  
 Percent received from SEOG  
 U Persons enrolled in other than public school who received educational assistance from SEOG  
 V 0000-0100 .Percent of total assistance

D TM9648        1       117  
 A national direct student loan?  
 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       118  
 Percent 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 0000-0100 .Percent of total assistance

D TM9652        1       122  
 A guaranteed student loan  
 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       123  
 Percent received from a guaranteed student loan  
 U Persons enrolled in other than public school who received educational assistance from a guaranteed student loan  
 V 0-00100 .Percent of total assistance

D TM9656        1       128  
 A JTPA training program  
 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       129  
 Percent received from JTPA  
 U Persons enrolled in other than public school who received educational assistance from JTPA  
 V 0000-0100 .Percent of total assistance

DATA	SIZE	BEGIN
D TM9660	1	133
Employer assistance		
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	134
Percent of employer assistance		
U	Persons enrolled in other than public school who received educational assistance from employer	
V	0-00100	.Percent of total assistance
D TM9664	1	139
A fellowship or scholarship?		
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	140
Percent of fellowship or scholarship		
U	Persons enrolled in other than public school who received fellowship or scholarship	
V	0-00100	.Percent of total assistance
D TM9668	1	145
A tuition reduction?		
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	146
Percent received from tuition reduction		
U	Persons enrolled in other than public school who received tuition reduction	
V	0000-0100	.Percent of total assistance
D TM9672	1	150
Anything else (other than assistance from relatives and friends)?		
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	151
Percent of educational assistance from other sources		
U	Persons enrolled in other than public school who received educational assistance from other sources	
V	00100	.Percent of total assistance
D TMETCNT	2	156
Number of items with data on this record		
V	01-99	.Number of items

DATA	SIZE	BEGIN
*****		
* Part C - Imputation flags *		
*****		
D TM-IFC1	1	158
Part C imputation flag #01		
Imputation flag for field 'TM9612'		
V	0	.Not imputed
V	1	.Imputed
D TM-IFC2	1	159
Part C imputation flag #02		
Imputation flag for field 'TM9616'		
V	0	.Not imputed
V	1	.Imputed
D TM-IFC3	1	160
Part C imputation flag #03		
Imputation flag for field 'TM9618'		
V	0	.Not imputed
V	1	.Imputed
D TM-IFC4	1	161
Part C imputation flag #04		
Imputation flag for field 'TM9620'		
V	0	.Not imputed
V	1	.Imputed
D TM-IFC5	1	162
Part C imputation flag #05		
Imputation flag for field 'TM9622'		
V	0	.Not imputed
V	1	.Imputed
D TM-IFC6	1	163
Part C imputation flag #06		
Imputation flag for field 'TM9624'		
V	0	.Not imputed
V	1	.Imputed
D TM-IFC7	1	164
Part C imputation flag #07		
Imputation flag for field 'TM9630'		
V	0	.Not imputed
V	1	.Imputed TM9630
D TM-IFC8	1	165
Part C imputation flag #08		
Imputation flag for field 'TM9634'		
V	0	.Not imputed
V	1	.Imputed TM9634
D TM-IFC9	1	166
Part C imputation flag #09		
Imputation flag for field 'TM9638'		
V	0	.Not imputed
V	1	.Imputed TM9638
D TM-IFC10	1	167
Part C imputation flag #10		
Imputation flag for field 'TM9642'		
V	0	.Not imputed
V	1	.Imputed TM9642
D TM-IFC11	1	168
Part C imputation flag #11		
Imputation flag for field 'TM9646'		
V	0	.Not imputed
V	1	.Imputed TM9646



SIPP 1991 TOPICAL MODULE WAVE 5

DATA	SIZE	BEGIN
D TM-IFC12	1	169
	Part C imputation flag #12	
	Imputation flag for field 'TM9650'	
V	0	.Not imputed
V	1	.Imputed TM9650
D TM-IFC13	1	170
	Part C imputation flag #13	
	Imputation flag for field 'TM9654'	
V	0	.Not imputed
V	1	.Imputed TM9654
D TM-IFC14	1	171
	Part C imputation flag #14	
	Imputation flag for field 'TM9658'	
V	0	.Not imputed
V	1	.Imputed TM9658
D TM-IFC15	1	172
	Part C imputation flag #15	
	Imputation flag for field 'TM9662'	
V	0	.Not imputed
V	1	.Imputed TM9662
D TM-IFC16	1	173
	Part C imputation flag #16	
	Imputation flag for field 'TM9666'	
V	0	.Not imputed
V	1	.Imputed TM9666

DATA	SIZE	BEGIN
D TM-IFC17	1	174
	Part C imputation flag #17	
	Imputation flag for field 'TM9670'	
V	0	.Not imputed
V	1	.Imputed TM9670
D TM-IFC18	1	175
	Part C imputation flag #18	
	Imputation flag for field 'TM9674'	
V	0	.Not imputed
V	1	.Imputed TM9674
D TMTEDFIN	5	176
	Total amount of educational assistance during the past year.	
V	1-04000	.Amount of assistance
V	04500	.Amount from \$4000 - \$4999
V	05500	.Amount from \$5000 - \$5999
V	07000	.Amount \$6000 or more

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

**SOURCE OF DATA**

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

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

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

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

Revised  
June 1992

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### 1. Combining Separate Estimates

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

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

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

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

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

W = weighting factor of the earlier panel.

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

## 2. Combining Data from Separate Files

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

### Illustration for computing combined panel estimate.

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

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

### ACCURACY OF ESTIMATES

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

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

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

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

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

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



## USES AND COMPUTATION OF STANDARD ERRORS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### Illustration.

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

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

Using formula 1, the approximate standard error is

$$s_x = 66,000$$

Using formula 2, the approximate standard error is

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

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

Illustration for computing standard errors for combined panel estimates.

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

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

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

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

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

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:

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

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

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

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) from the section on combined panel estimates,  $s^2$ , given by formula (4), should be calculated by forming a distribution for each panel. The range of values for the item will be divided into intervals. Combined estimates for each interval can be obtained using formula (A). Formula (4) can be applied to the combined distribution. To calculate  $\bar{x}$  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 1991 is given in table 14.

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

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

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

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

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

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

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

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

**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

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

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

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

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

Illustration.

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

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

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

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

$$P_I = 100 (X_A / X_N)$$

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

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

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

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

where  $s_p$  is the standard error of  $\hat{p}_A$ ,  $s_A$  is the standard error of  $\bar{x}_A$  and  $s_B$  is the standard error of  $\bar{x}_N$ . To calculate  $s_p$ , use formula 8. 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 1991, 9.8% of the households own rental property, the mean value of rental property is \$72,121, the mean value of assets is \$78,734, and the corresponding standard errors are 0.31%, \$5799, and \$2867. In total there are 86,790,000 households. Then, the percent of all household assets held in rental property is

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

Using formula (9), the appropriate standard error is

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

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

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

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

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

Illustration.

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

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

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

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

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

1. Determine, using either formula 7 or formula 8, the standard error of an estimate of 50 percent of the group;
2. Add to and subtract from 50 percent the standard error determined in step 1;
3. Using the distribution of the item within the group, calculate the quantity of the item such that the percent of the group with more of the item is equal to the smaller percentage found in step 2. This quantity will be the upper limit for the 68-percent confidence interval. In a similar fashion, calculate the quantity of the item such that the percent of the group with more of the item is equal to the larger percentage found in step 2. This quantity will be the lower limit for the 68-percent confidence interval;
4. Divide the difference between the two quantities determined in step 3 by two to obtain the standard error of the median.

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

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

$$X_{PW} = \exp\left[\left(\frac{\ln\left(\frac{PN}{N_1}\right)}{\ln\left(\frac{N_2}{N_1}\right)}\right) \ln\left(\frac{A_2}{A_1}\right)\right] A_1 \quad (11)$$

if Pareto Interpolation is indicated and

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

if linear interpolation is indicated, where

- N is the size of the group,
- A<sub>1</sub> and A<sub>2</sub> are the lower and upper bounds, respectively, of the interval in which X<sub>PW</sub> falls,
- N<sub>1</sub> and N<sub>2</sub> are the estimated number of group members owning more than A<sub>1</sub> and A<sub>2</sub>, respectively,
- exp refers to the exponential function and
- ln refers to the natural logarithm function.

#### Illustration.

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

1. Using formula 8, the standard error of 50 percent on a base of 39,851,000 is about 0.7 percentage points.
2. Following step 2, the two percentages of interest are 49.3 and 50.7.
3. By examining table 14, we see that the percentage 49.3 falls in the income interval from 2000 to 2499. (Since 55.5% receive more than \$2,000 per month, the dollar value corresponding to 49.3 must be between \$2,000 and \$2,500). Thus, A<sub>1</sub> = \$2,000, A<sub>2</sub> = \$2,500, N<sub>1</sub> = 22,106,000, and N<sub>2</sub> = 16,307,000.

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

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

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

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

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

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

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

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

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

**Table 1. 1991 Panel Topical Modules**

<u>Wave</u>	<u>Topical Module</u>
1	None
2	Reciency History Employment History Work Disability History Education and Training History Marital History Migration History Fertility History Household Relationships
3	Child Care Arrangements Child Support Agreements Support of Non-household Members Functional Limitations and Disability Utilization of Health Care Services Work Schedule
4	Selected Financial Assets Medical Expenses and Work Disability Real Estate, Shelter Costs, Dependent Care, and Vehicles
5	Taxes Annual Income and Retirement Accounts School Enrollment and Financing
6	Extended Measures of Wellbeing (Consumer Durables, Living Conditions, Basic Needs, Expenditures, Minimum Income)
7	Assets and Liabilities Retirement Expectations and Pension Plan Coverage Real Estate Property and Vehicles
8	Taxes Annual Income and Retirement Accounts School Enrollment and Financing

**Table 2. 1990 Panel Topical Modules**

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



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

Month of Interview	Wave/ Rotation	Reference Period																							
		4th Quarter (1990)			1st Quarter (1991)			2nd Quarter (1991)			3rd Quarter (1991)			4th Quarter (1991)			...	2nd Quarter (1993)			3rd Quarter (1993)				
		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 4. Reference Months for Each Interview Month - 1990 Panel**

Month of Interview	Wave/Rotation	Reference Period																						
		<u>4th Quarter (1989)</u>			<u>1st Quarter (1990)</u>			<u>2nd Quarter (1990)</u>			<u>3rd Quarter (1990)</u>			<u>4th Quarter (1990)</u>			...	<u>2nd Quarter (1992)</u>			<u>3rd Quarter (1992)</u>			
		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 5. Metropolitan Subsample Factors to be Applied to Compute National and Subnational Estimates**

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

- indicates no metropolitan subsample is identified for the state

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

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

- indicates no metropolitan subsample is identified for the state

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

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

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

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

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

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

<u># of available, rotation months</u>	<u>factor</u>
<b>Monthly estimate</b>	
1	4.0000
2	2.0000
3	1.3333
4	1.0000
<b>Quarterly estimate</b>	
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	Size of Estimate	Standard Error
200	43	15,000	342
300	53	25,000	412
500	68	30,000	434
750	83	40,000	459
1,000	96	50,000	462
2,000	135	60,000	442
3,000	164	70,000	397
5,000	210	80,000	316
7,500	253	90,000	147
10,000	288	92,000	61

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

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

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

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

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

**Table 11. Standard Errors of Estimated Percentages of Persons**

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

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

**Table 12. 1991 Topical Module Generalized Variance Parameters<sup>1</sup>**

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

---

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

<sup>2</sup> The parameter also applies to the School Enrollment and Finance Topical Module Subject.

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

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

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

		\$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	Total	1651	2259	2734	3452	6278	5799	4750	3723	2519	2619	1223	1493
Percent with at least as much as lower bound of interval	--	96.6	92.4	86.7	79.9	71.2	55.5	40.9	29.1	19.7	13.4	6.8	3.7

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

**Waves to be Combined**

<u>1990 panel</u>	<u>1991 panel</u>	<u>g factor<sup>2</sup></u>
5	2	0.4163
6	3	0.4163
7	4	0.4163
8	5	0.3943

---

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

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

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

<sup>1</sup> Estimates are based on monthly averages.

<sup>2</sup> 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)



## **SIPP FILES**

### **Code Asset List**

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

### **Code Special Indicators**

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

## **APPENDIX A-2**

### **Income Sources Included in Monthly Cash Income**

#### **Earnings from Employment**

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

#### **Income from Assets (Property Income)**

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

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#### **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

**SIPP FILES**

**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 agents (145)  
035 Construction inspectors (1472)  
036 Inspectors and compliance officers, exc. construction (1473)  
037 Management related occupations, n.e.c. (149)

##### Professional Specialty Occupations

##### Engineers, Architects, and Surveyors

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

**SIPP FILES**

- 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
	<b>Teachers, Except Postsecondary</b>
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)
	<b>Librarians, Archivists, and Curators</b>
164	Librarians (251)
165	Archivists and curators (252)
	<b>Social Scientists and Urban Planners</b>
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
173	Urban planners (192)
	<b>Social, Recreation, and Religious Workers</b>
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
	<b>Lawyers and Judges</b>
178	Lawyers (211)
179	Judges (212)
	<b>Writers, Artists, Entertainers, and Athletes</b>
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)

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

**SERVICE OCCUPATIONS**

**Private Household Occupations**

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

**Protective Service Occupations**

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

**Service Occupations, Except Protective and Household**

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

436	Cooks, except short order (5214)
437	Short-order cooks (5215)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
443	Waiters'/waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)
	<b>Health Service Occupations</b>
445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
	<b>Cleaning and Building Service Occupations, except Household</b>
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)
	<b>Personal Service Occupations</b>
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

	<b>Farm Occupations, Except Managerial</b>
477	Supervisors, farm workers (5611)
479	Farm workers (5612-5617)
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)
	<b>Related Agricultural Occupations</b>
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)

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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)
	<b>Precision Workers, Assorted Materials</b>
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)
	<b>Precision Food Production Occupations</b>
686	Butchers and meat cutters (6871)
687	Bakers (6872)
688	Food batchmakers (6873, 6879)
	<b>Precision Inspectors, Testers, and Related Workers</b>
689	Inspectors, testers, and graders (6881, 828)
693	Adjusters and calibrators (6882)
	<b>Plant and System Operators</b>
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

	<b>Metal working and Plastic Working Machine Operators</b>
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	<b>Fabricating machine operators, n.e.c. (7339, 7539)</b>
	<b>Metal and Plastic Processing Machine Operators</b>
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)
	<b>Woodworking Machine Operators</b>
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)



**SIPP FILES**

- 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.

## SIPP FILES

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

**TRANSPORTATION, COMMUNICATIONS, AND OTHER  
PUBLIC UTILITIES**

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

## **SIPP FILES**

- 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 establishments<sup>1</sup> establishments (5963)
- 672 Fuel and ice dealers (598)
- 681 Retail florists (5992)
- 682 Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
- 691 Not specified retail trade

#### FINANCE, INSURANCE, AND REAL ESTATE

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

#### BUSINESS AND REPAIR SERVICES

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

#### PERSONAL SERVICES

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

## SIPP FILES

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





U.S. DEPARTMENT OF COMMERCE  
BUREAU OF ECONOMIC ANALYSIS  
CONTROL CARD  
SURVEY OF INCOME AND PROGRAM PARTICIPATION

Form SIPP-11001  
(6-29-90)  
Wave for which Control Card was prepared

EXTRA UNIT Original unit serial number  
GC OFFICE USE ONLY

W6 W7 W8 W9  
Yes No Yes No Yes No Yes No

HOUSEHOLD RECORD (Card of )  
W1 W2 W3 W4 W5 W6 W7 W8 W9

5a 5b  
First Reg. code  
Letter and

3  
SEGMENT TYPE  
1 Address 2 Unit 3 Permit  
4 Special place

19a  
HOUSEHOLD ROSTER  
FIRST INTERVIEW AT WAVE 1 ADDRESS

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

17  
ENTRY ADDRESS I.D.  
Last, First, Middle, Maiden

21 HOUSEHOLD ROSTER COVERAGE  
WAVE INTERVIEW

21a I have listed (read names from item 19a). Have I missed... If "Yes," to any of the following, ask name and complete items

22 SUBSEQUENT INTERVIEWS  
21a I have listed... (read names from item 19a). Are all of these persons still living or staying here?

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

22b All persons in this household live OR eat together?  
Yes No

22c Which of these persons (own/rental) this home? Assign as reference person in item 15b.

20 HOUSEMEMBER  
Does... usually live here?  
1-Yes  
2-No

19b RELATIONSHIP TO REFERENCE PERSON (RP)  
What is... relationship to (read name of RP)?

23 DATE ENTERED OR LEFT  
Complete if instructed by item 21, enter code and date

24 BIRTH DATE/AGE  
a. What is... date of birth?  
b. ... is now (read age) years old, is that correct?

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

26a MARITAL STATUS  
1-Married  
2-Sp. Pres.  
3-Widowed  
4-Divorced  
5-Separated  
6-Never married

26b PERSON NUMBER OF SPOUSE  
Refer to 18, 19b, and 26a. Who in this household is responsible for...?

27 DESIGNATED GUARDIAN  
Enter person number  
28 SEX  
29 RACE  
30 ORIGIN

31a PERSON NUMBER  
Enter person number from item 18

31b EDUCATION  
What is the highest grade or year of regular school... that has been attended?

31c ARMED FORCES  
Did... ever serve on active duty in U.S. Armed Forces?

31d SOCIAL SECURITY  
What is... Social Security (or Railroad Retirement) number?

31e HOUSEHOLD ROSTER COVERAGE - WAVE 1 INTERVIEW

31f HOUSEHOLD ROSTER COVERAGE - WAVE 2 INTERVIEW

31g HOUSEHOLD ROSTER COVERAGE - WAVE 3 INTERVIEW

31h HOUSEHOLD ROSTER COVERAGE - WAVE 4 INTERVIEW

31i HOUSEHOLD ROSTER COVERAGE - WAVE 5 INTERVIEW

31j HOUSEHOLD ROSTER COVERAGE - WAVE 6 INTERVIEW

31k HOUSEHOLD ROSTER COVERAGE - WAVE 7 INTERVIEW

31l HOUSEHOLD ROSTER COVERAGE - WAVE 8 INTERVIEW

FIELD REPRESENTATIVE: Go to first questionnaire interview.  
GO TO ITEM 24 ABOVE





**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.

U.S. DEPARTMENT OF COMMERCE  
BUREAU OF THE CENSUS

**SURVEY OF INCOME  
AND PROGRAM  
PARTICIPATION**  
  
**1991 PANEL**  
  
**WAVE 5 QUESTIONNAIRE**

P G M 6	<b>1. Book</b>	<b>2. (cc 1)</b> R.O. code	<b>3a. (cc 2)</b> PSU Segment Serial Sample digit	Check digit	<b>b. (cc 3)</b> Add. ID
	of _____	_____	_____	1 1	_____

**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 2  Personal interview

**INTRODUCTION**

**FIELD REPRESENTATIVE INSTRUCTIONS** — Read introduction once to each respondent.

(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 \_\_\_\_\_.

Do you have the flashcard pamphlet that we included with the letter? (Allow time for respondent to locate pamphlet.) Please look at Card J. Card J is a calendar that shows the 4 months we will be talking about. 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 you have available. (GO TO CHECK ITEM N1.)

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

**PGM 7** 1  Yes

**0900** 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, 1991, was ... living in an Armed Forces barracks, outside the United States, or in a nonhousehold setting?**

**0914** 1  Yes x1  DK } **SKIP to section 1, item 1, page 2**

2  No — SKIP to section 1, item 1, page 2 x2  Ref.

**ASK OR VERIFY —**

**b. Which kind of place?**

**0916** 1  Armed Forces barracks 3  Nonhousehold setting

2  Outside the United States

**NOTES**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**REMINDER** — Fill at the end of interview.

Respondent used flashcards?

Yes

No

**Section 5 – TOPICAL MODULES (Continued)**

**Part A – ANNUAL INCOME AND RETIREMENT ACCOUNTS (Continued)**

<p><b>2k. What was ...'s net income from this (business/practice) in 1991? Please use records if they are available.</b></p> <p align="center">★</p> <p><i>Obtain estimate, if necessary.</i></p>	<p>8202 \$ <input type="text"/> .00</p> <p>x3 <input type="checkbox"/> None</p> <p>x2 <input type="checkbox"/> Ref.</p> <p>x1 <input type="checkbox"/> DK</p> <p>8204 x4 <input type="checkbox"/> Lost money – Enter amount of loss in box – SKIP to Check Item T8</p>	<p>8252 \$ <input type="text"/> .00</p> <p>x3 <input type="checkbox"/> None</p> <p>x2 <input type="checkbox"/> Ref.</p> <p>x1 <input type="checkbox"/> DK</p> <p>8254 x4 <input type="checkbox"/> Lost money – Enter amount of loss in box – SKIP to Check Item T8</p>
<p><b>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.)</b></p>	<p>8208 1 <input type="checkbox"/> Yes – Mark Callback Summary and Reminder Card, Item 12</p> <p>2 <input type="checkbox"/> No</p>	<p>8256 1 <input type="checkbox"/> Yes – Mark Callback Summary and Reminder Card, Item 12</p> <p>2 <input type="checkbox"/> No</p>
<p><b>CHECK ITEM T8</b> Refer to item 2d. Were any other household members part owners of this business?</p>	<p>8208 1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No – SKIP to Check Item T9</p>	<p>8258 1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No – SKIP to Check Item T10</p>
<p><b>2m. Apart from the net income already reported for ... did (Read names of other household owners) receive any net income in 1991 from this (business/practice)?</b></p>	<p>8210 1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>x1 <input type="checkbox"/> DK } SKIP to Check Item T9</p>	<p>8260 1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>x1 <input type="checkbox"/> DK } SKIP to Check Item T10</p>
<p><b>ñ. What was the amount of net income that was received by (Read names of other household owners)?</b></p> <p><i>Obtain estimate, if necessary.</i></p>	<p>Person No. <input type="text"/></p> <p>8212 <input type="text"/></p> <p>8214 \$ <input type="text"/> .00</p> <p>x3 <input type="checkbox"/> None</p> <p>x1 <input type="checkbox"/> DK</p> <p>x2 <input type="checkbox"/> Ref.</p> <p>8216 x4 <input type="checkbox"/> Lost money – Enter amount of loss in box</p> <p>SECOND CO-OWNER</p> <p>Person No. <input type="text"/></p> <p>8218 <input type="text"/></p> <p>8220 \$ <input type="text"/> .00</p> <p>x3 <input type="checkbox"/> None</p> <p>x1 <input type="checkbox"/> DK</p> <p>x2 <input type="checkbox"/> Ref.</p> <p>8222 x4 <input type="checkbox"/> Lost money – Enter amount of loss in box</p>	<p>Person No. <input type="text"/></p> <p>8262 <input type="text"/></p> <p>8264 \$ <input type="text"/> .00</p> <p>x3 <input type="checkbox"/> None</p> <p>x1 <input type="checkbox"/> DK</p> <p>x2 <input type="checkbox"/> Ref.</p> <p>8266 x4 <input type="checkbox"/> Lost money – Enter amount of loss in box</p> <p>SECOND CO-OWNER</p> <p>Person No. <input type="text"/></p> <p>8268 <input type="text"/></p> <p>8270 \$ <input type="text"/> .00</p> <p>x3 <input type="checkbox"/> None</p> <p>x1 <input type="checkbox"/> DK</p> <p>x2 <input type="checkbox"/> Ref.</p> <p>8272 x4 <input type="checkbox"/> Lost money – Enter amount of loss in box</p>
<p><b>CHECK ITEM T9</b> Is another business listed in item 1c?</p>	<p>8274 1 <input type="checkbox"/> Yes – Complete Check Item T3 for next business</p> <p>2 <input type="checkbox"/> No – SKIP to Statement D</p>	<p align="center">Go to Check Item T10</p>
<p><b>CHECK ITEM T10</b> Is the number of businesses recorded in item 1b three or more?</p>	<p>8276 1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No – SKIP to Statement D</p>	
<p><b>3. What was ...'s net income from ...'s other businesses in 1991? Please use records if they are available.</b></p>	<p>8278 \$ <input type="text"/> .00</p> <p>x3 <input type="checkbox"/> None</p> <p>x1 <input type="checkbox"/> DK</p> <p>x2 <input type="checkbox"/> Ref.</p> <p>8280 x4 <input type="checkbox"/> Lost money – Enter amount of loss in box</p>	
<p><b>NOTES</b></p>		

**Section 5 — TOPICAL MODULES (Continued)**

**Part A — ANNUAL INCOME AND RETIREMENT ACCOUNTS (Continued)**

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

<p><b>4a. Does ... have an Individual Retirement Account — an IRA — in ...'s OWN name?</b>  <i>If ... is only included in ...'s (husband's/wife's) IRA accounts, mark the "No" box.</i></p>	<p><b>9330</b>    <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> DK } <i>SKIP to 4h</i></p>
<p><b>b. Did ... make any tax-deductible contributions to IRA accounts which applied to ...'s 1991 tax return?</b>  <i>(Contributions which were deducted from gross income.)</i></p>	<p><b>9332</b>    <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> DK } <i>SKIP to 4d</i></p>
<p><b>c. How much were ...'s tax-deductible contributions to IRA accounts which applied to ...'s 1991 tax return?</b>  <i>(Form 1040, line 24a)                  (Form 1040A, line 15a)</i></p>	<p><b>9334</b>    \$ <input style="width: 60px;" type="text"/> . <input style="width: 30px;" type="text"/> 00  <input type="checkbox"/> DK  <input type="checkbox"/> Ref.</p>
<p><b>d. Did ... make any withdrawals from ...'s IRA accounts during 1991?</b>  <i>Mark "No" if funds were "rolled over" within 60 days of the withdrawal.</i></p>	<p><b>9336</b>    <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> DK } <i>SKIP to 4f</i></p>
<p><b>e. How much did ... withdraw from IRA accounts during 1991?</b></p>	<p><b>9338</b>    \$ <input style="width: 60px;" type="text"/> . <input style="width: 30px;" type="text"/> 00  <input type="checkbox"/> DK  <input type="checkbox"/> Ref.</p>
<p><b>f. Including ALL IRA accounts in ...'s OWN name, how much did ...'s IRA accounts earn during 1991?</b></p>	<p><b>9340</b>    \$ <input style="width: 60px;" type="text"/> . <input style="width: 30px;" type="text"/> 00  <input type="checkbox"/> DK  <input type="checkbox"/> Ref.</p>
<p><b>g. What types of assets did ... have in ...'s IRA accounts during 1991?</b>  <i>Mark (X) all that apply.</i>  <b>Anything else?</b></p>	<p><b>9342</b>    <input type="checkbox"/> Certificates of deposit or other savings certificates  <b>9344</b>    <input type="checkbox"/> Money Market Funds  <b>9346</b>    <input type="checkbox"/> U.S. Government Securities  <b>9348</b>    <input type="checkbox"/> Municipal or Corporate Bonds  <b>9350</b>    <input type="checkbox"/> U.S. Savings Bonds  <b>9352</b>    <input type="checkbox"/> Stocks or Mutual Fund Shares  <b>9354</b>    <input type="checkbox"/> Other assets — <i>Specify</i> <input style="width: 20px;" type="text"/>  <hr/> <b>9356</b>    <input type="checkbox"/> DK</p>
<p><b>h. Does ... have a Keogh account in ...'s OWN name?</b></p>	<p><b>9358</b>    <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> DK } <i>SKIP to Check Item T11</i></p>
<p><b>i. Did ... make any tax-deductible contributions to a Keogh account which applied to ...'s 1991 tax return?</b></p>	<p><b>9360</b>    <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> DK } <i>SKIP to 4k</i></p>
<p><b>j. How much were ...'s tax-deductible contributions to Keogh accounts which applied to ...'s 1991 tax return?</b>  <i>(Form 1040, line 27)</i></p>	<p><b>9362</b>    \$ <input style="width: 60px;" type="text"/> . <input style="width: 30px;" type="text"/> 00  <input type="checkbox"/> DK  <input type="checkbox"/> Ref.</p>
<p><b>k. Did ... make any withdrawals from ...'s Keogh accounts during 1991?</b></p>	<p><b>9364</b>    <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> DK } <i>SKIP to 4m</i></p>

**Section 5 – TOPICAL MODULES (Continued)**

**Part A – ANNUAL INCOME AND RETIREMENT ACCOUNTS (Continued)**

**4l.** How much did ... withdraw from Keogh accounts during 1991?

9368 \$  .  00

x1  DK

x2  Ref.

**4m.** Including ALL Keogh accounts in ...'s OWN name, how much did ...'s Keogh accounts earn during 1991?

9368 \$  .  00

x1  DK

x2  Ref.

**4n.** What types of assets did ... have in ...'s Keogh accounts during 1991?

Mark (X) all that apply.

Anything else?

- 9370  Certificates of deposit or other savings certificates
  - 9372  Money Market Funds
  - 9374  U.S. Government Securities
  - 9378  Municipal or Corporate Bonds
  - 9378  U.S. Savings Bonds
  - 9380  Stocks or Mutual Fund Shares
  - 9382  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  Yes
- No – SKIP to Check Item T12

**4o.** During 1991, 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  Yes
- No
- x1  DK } SKIP to Check Item T12

**4p.** How much did ... contribute to this plan during 1991?

9388 \$  .  00

x3  None

x1  DK

x2  Ref.

NOTES

**Section 5 – TOPICAL MODULES (Continued)**

**Part B – TAXES**

<p><b>CHECK ITEM T12</b> Has tax information for . . . already been obtained in an interview for a spouse with whom . . . filed a joint return?</p>	<p><b>9390</b> 1 <input type="checkbox"/> Yes – SKIP to Check Item T19, page 61 2 <input type="checkbox"/> No</p>																					
<p><b>1 a.</b> Did . . . file a Federal income tax return for 1991? <i>Mark "Yes" if . . . filed alone or jointly.</i></p>	<p><b>9392</b> 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No – SKIP to Check Item T19, page 61</p>																					
<p><b>b.</b> Do you have a copy of the tax form or a worksheet that you could refer to for the next few questions?</p>	<p><b>9394</b> 1 <input type="checkbox"/> Yes – Allow person time to get form 2 <input type="checkbox"/> No</p>																					
<p><b>2.</b> What was . . . 's filing status on . . . 's 1991 Federal tax return? Did . . . file as – <i>Read categories – Mark (X) one.</i></p>	<p><b>9396</b> 1 <input type="checkbox"/> A single taxpayer? 2 <input type="checkbox"/> Married, filing a joint return? 3 <input type="checkbox"/> Married, filing separately? 4 <input type="checkbox"/> Unmarried head of household? 5 <input type="checkbox"/> Qualifying widow(er) with dependent child? x1 <input type="checkbox"/> DK</p>																					
<p><b>3 a.</b> What were the total number of exemptions claimed on . . . 's tax return?</p>	<p><b>9398</b> <input type="text"/> <input type="text"/> Exemptions – If "01" SKIP to 4 x1 <input type="checkbox"/> DK</p>																					
<p><b>CHECK ITEM T13</b> Refer to cc item 20. Number of current household members.</p>	<p><b>9400</b> 1 <input type="checkbox"/> One – SKIP to 3c 2 <input type="checkbox"/> Two or more</p>																					
<p><b>3 b.</b> Besides . . . which persons in this household did . . . claim as an exemption?</p>	<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;"></th> <th style="width:40%;">Person No.</th> <th style="width:50%;">Name</th> </tr> </thead> <tbody> <tr> <td><b>9402</b></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td><b>9404</b></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td><b>9406</b></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td><b>9408</b></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td><b>9410</b></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td><b>9412</b></td> <td colspan="2">1 <input type="checkbox"/> None in household</td> </tr> </tbody> </table>		Person No.	Name	<b>9402</b>	<input type="text"/>	<input type="text"/>	<b>9404</b>	<input type="text"/>	<input type="text"/>	<b>9406</b>	<input type="text"/>	<input type="text"/>	<b>9408</b>	<input type="text"/>	<input type="text"/>	<b>9410</b>	<input type="text"/>	<input type="text"/>	<b>9412</b>	1 <input type="checkbox"/> None in household	
	Person No.	Name																				
<b>9402</b>	<input type="text"/>	<input type="text"/>																				
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<b>9406</b>	<input type="text"/>	<input type="text"/>																				
<b>9408</b>	<input type="text"/>	<input type="text"/>																				
<b>9410</b>	<input type="text"/>	<input type="text"/>																				
<b>9412</b>	1 <input type="checkbox"/> None in household																					
<p><b>ASK OR VERIFY –</b> <b>c.</b> Did . . . claim exemptions for any persons who lived outside of . . . 's home for the entire year?</p>	<p><b>9414</b> 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No – SKIP to 4</p>																					
<p><b>d.</b> What was the relationship of this (these) person(s) to . . . ? <i>Record for two persons only.</i></p>	<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%;"></th> <th style="width:50%;">FIRST DEPENDENT</th> <th style="width:50%;">SECOND DEPENDENT</th> </tr> </thead> <tbody> <tr> <td><b>9416</b></td> <td>1 <input type="checkbox"/> Parent 2 <input type="checkbox"/> Child 3 <input type="checkbox"/> Brother/sister 4 <input type="checkbox"/> Other</td> <td><b>9418</b> 1 <input type="checkbox"/> Parent 2 <input type="checkbox"/> Child 3 <input type="checkbox"/> Brother/sister 4 <input type="checkbox"/> Other</td> </tr> </tbody> </table>		FIRST DEPENDENT	SECOND DEPENDENT	<b>9416</b>	1 <input type="checkbox"/> Parent 2 <input type="checkbox"/> Child 3 <input type="checkbox"/> Brother/sister 4 <input type="checkbox"/> Other	<b>9418</b> 1 <input type="checkbox"/> Parent 2 <input type="checkbox"/> Child 3 <input type="checkbox"/> Brother/sister 4 <input type="checkbox"/> Other															
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<b>9416</b>	1 <input type="checkbox"/> Parent 2 <input type="checkbox"/> Child 3 <input type="checkbox"/> Brother/sister 4 <input type="checkbox"/> Other	<b>9418</b> 1 <input type="checkbox"/> Parent 2 <input type="checkbox"/> Child 3 <input type="checkbox"/> Brother/sister 4 <input type="checkbox"/> Other																				
<p><b>4.</b> 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)</p>	<p><b>9420</b> 1 <input type="checkbox"/> Form 1040 2 <input type="checkbox"/> Form 1040A 3 <input type="checkbox"/> Form 1040EZ x1 <input type="checkbox"/> DK } SKIP to Check Item T14</p>																					
<p><b>5.</b> 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 1991 tax return.</p>																						
<p>(1) Schedule A, Itemized Deductions . . . . .</p>	<p><b>9422</b> 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK</p>																					
<p>(2) Schedule D, Capital Gains and Losses . . . . .</p>	<p><b>9424</b> 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK</p>																					



**Section 5 – TOPICAL MODULES (Continued)**

**Part B – TAXES (Continued)**

**CHECK ITEM T14**

Refer to item 1b.  
Does the respondent have a copy of . . . 's Federal income tax form or a worksheet to refer to?

9428  Yes  
 No – SKIP to 9a

**CHECK ITEM T15**

Refer to item 4.  
Is "Form 1040" marked?

9430  Yes  
 No – SKIP to 8a

**CHECK ITEM T16**

Is "Schedule A, Itemized Deductions" marked "Yes" in item 5(1)?

9432  Yes  
 No – SKIP to 6b

**6a. How much were . . . 's (and . . . 's husband's/wife's) itemized deductions for 1991?**  
(Schedule A, line 26)

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  Yes  
 No

9448 \$  .  00  
x1  DK  
x2  Ref.

**(2) A credit for the elderly or the disabled . . . . .**  
(Form 1040, line 42)

9450  Yes  
 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  Yes  
 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 1991?**  
(Form 1040, line 13)

9460 \$  .  00  
x3  None  
x1  DK  
x2  Ref.  
9461 x4  Lost money – Enter amount of loss in box

**8a. Adjusted gross income is total income less certain types of adjustments and exclusions. Please look at your tax return or worksheet. What was . . . 's (and . . . 's husband's/wife's) adjusted gross income in 1991?**  
(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 1991?**  
(Form 1040, line 53)  
(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  \$21,250 or more – SKIP to Check Item T19  
 Less than \$21,250

**Section 5 — TOPICAL MODULES (Continued)**

**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?** **9474** \$  .  **00**  
*(Form 1040, line 56)*  
*(Form 1040A, line 28c)*  
 x1  DK  
 x2  Ref.

**CHECK ITEM T19** *Refer to cc item 15.* **9486** 1  Owned or being bought?  
 Tenure of reference person. 2  Rented for cash? } *SKIP to Statement E,*  
 Are ...'s living quarters — 3  Occupied without } *page 62*  
 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 1991?** **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 ...?**

	Person No.	Name
<b>9494</b>	<input type="text"/>	<input type="text"/>
	Person No.	Name
<b>9496</b>	<input type="text"/>	<input type="text"/>

**d. What was the property tax bill for ...'s residence(s) in 1991?** **9498** \$  .  **00**  
*Obtain estimate, if necessary.*  
*(Schedule A, line 6)*  
 x1  DK  
 x2  Ref.

NOTES

**Section 5 – TOPICAL MODULES (Continued)**

**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 T2**

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 5a

**d. What was the total cost for room and board while away at school?**

- 9624** \$  .  00  
 x3  None  
 x1  DK

NOTES

**Section 5 — TOPICAL MODULES (Continued)**

**Part C — SCHOOL ENROLLMENT AND FINANCING (Continued)**

<p><b>5a. Please look at card DD in your pamphlet and tell me if . . . received any of these types of educational assistance during the past 12 months?</b></p> <p>Anything else?</p>		<p><b>5b. How much did . . . receive?</b></p>
<p><b>(1) The GI Bill?.....</b></p>	<p>9626 x3 <input type="checkbox"/> None — SKIP to Check Item C1</p>	<p>9630 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(2) Other Veterans' Educational Assistance Programs? (Include survivors and dependents, vocational rehabilitation and post-Vietnam veterans' assistance.)</b></p>	<p>9632 1 <input type="checkbox"/> Received</p>	<p>9634 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(3) College Work Study Program?.....</b></p>	<p>9636 1 <input type="checkbox"/> Received</p>	<p>9638 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(4) A Pell Grant?.....</b></p>	<p>9640 1 <input type="checkbox"/> Received</p>	<p>9642 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(5) A Supplemental Educational Opportunity Grant (SEOG)?.....</b></p>	<p>9644 1 <input type="checkbox"/> Received</p>	<p>9646 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(6) A National Direct Student Loan (NDSL) (or Perkins Loan)?.....</b></p>	<p>9648 1 <input type="checkbox"/> Received</p>	<p>9650 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(7) A guaranteed student loan, such as a Parent Loan for Undergraduate Students (PLUS), Stafford Loan, or Supplemental Loan for Students (SLS)?</b></p>	<p>9652 1 <input type="checkbox"/> Received</p>	<p>9654 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(8) A JTPA Training Program?.....</b></p>	<p>9656 1 <input type="checkbox"/> Received</p>	<p>9658 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(9) Employer assistance.....</b></p>	<p>9660 1 <input type="checkbox"/> Received</p>	<p>9662 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(10) A fellowship or scholarship?.....</b></p>	<p>9664 1 <input type="checkbox"/> Received</p>	<p>9666 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(11) A tuition reduction?.....</b></p>	<p>9668 1 <input type="checkbox"/> Received</p>	<p>9670 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>
<p><b>(12) Anything else (other than assistance from relatives and friends)?.....</b></p>	<p>9672 1 <input type="checkbox"/> Received</p>	<p>9674 \$ <input style="width: 60px;" type="text"/> . <input style="width: 20px;" type="text"/> 00 x1 <input type="checkbox"/> DK</p>

NOTES

## 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-9.

1990

- 9001 - "Recent Developments in the Survey of Income and Program Participation", Census Bureau
- 9002 - "An Analysis of Leaving Home Using Data From the 1984 Panel of the SIPP", by Alden Speare, Roger Avery, Frances Goldscheider, Brown University
- 9003 - "The Effect of the Marriage Market on First Marriages: Evidence From SIPP", John Fitzgerald, Bowdoin College
- 9004 - "Counting Spells of Unemployment", Paul Ryscavage and Kathleen Short, Census Bureau
- 9005 - "The Elderly and Their Sources of Income: Implications for Rural Development", Robert Hoppe, Economic Research Service, U.S. Department of Agriculture
- 9006 - "Alternative Estimates of Economic Well-Being by Age Using Data on Wealth and Income, Daniel Radner, Social Security Administration
- 
- 9007 - "Longitudinal Analysis of Federal Survey Data", Patricia Ruggles, Joint Economic Committee
- 9008 - "Measurement Errors in SIPP Program Reports", Kent H. Marquis and Jeffrey C. Moore, Census Bureau
- 9009 - "Handling Single Wave Nonresponse In Panel Survey," R. Singh, V. Huggins, and D. Kasprzyk, Census Bureau
- 9010 - "Nonresponse Research for SIPP," R. Petroni, Census Bureau
- 9011 - "The Seam Effect in Panel Surveys," G. Kalton, D. Hill, and M. Miller, University of Michigan
- 9012 - "The Effects of Being Uninsured on Health Care Service Use: Estimates from the SIPP," S. Long and J. Rodgers, Congressional Budget Office
- 9013 - "Wage Differential and Job Changes," S. Seninger and D. Greenberg, University of Maryland
- 9014 - "Wages and Employment Among the Working Poor: New Evidence From SIPP," S. Long and A. Martini, The Urban Institute and Mathematica Policy Research
- 9015 - "Pension Portability & Labor Mobility: Evidence from SIPP," A. Gustman and T. Steinmeier, Dartmouth College and Texas Tech University
- 9016 - "Response & Procedural Error Variance in Surveys: An Application of Poisson and Newman Type A Regression," D. Hill, University of Toledo
- 9017 - "Aging and the Income Value of Housing Wealth," S.F. Venti and D.A. Wise, Dartmouth College and Harvard University
- 9018 - "Welfare Participation and Welfare Recidivism: The Role of Family Events," S.K. Long, The Urban Institute

**SIPP FILES**

- 9019 - "Racial Differences in Health and Health Care Service Utilization: The Effect of Socioeconomic Status," J.E. Mutchler and J.A. Burr, State University of New York at Buffalo
- 9020 - "Living Benefits: Closing the Gap for LTC Financing," D.G. Shea, Pennsylvania State University
- 9021 - "SIPP Record Check Results: Implications for Measurement Principles and Practice," K.H. Marquis and J.C. Moore, Census Bureau
- 9022 - "Workers with Disabilities in Large and Small Firms: Profiles from the SIPP," D. Drury, Berkeley Planning Associates
- 9023 - "Entry into Marriage and the Transition to Adulthood Among Recent Firth Cohorts of Young Adults in the United States and the Federal Republic of Germany," J. Witte, Harvard University
- 9024 - "The Saving Effect of Tax-Deferred Retirement Accounts: Evidence from the SIPP," S. Venti and D.A. Wise, Dartmouth College and Harvard University
- 9025 - "Children and Welfare: Patterns of Multiple Program Participations," S.K. Long, The Urban Institute
- 9026 - "Household and Nonhousehold Living Arrangements in Later Life: A Longitudinal Analysis of A Social Process," J.E. Mutchler and J.A. Burr, University of Buffalo
- 9027 - "The SIPP Event History Calendar: Aiding Respondents in the Dating of Longitudinal Process," R. Kominski, Census Bureau
- 9028 - "Estimates of Employer Contributions for Health Insurance by Worker Characteristics," S. Haber, George Washington University
- 9029 - "Two Notes on Relating the Risk of Disclosure for Microdata and Geographic Area Size," B. Greenberg and L. Voshell, Census Bureau
- 9030 - "Childcare Effects on Social Security Benefits (91 ARC)," H.M. Iams, Social Security Administration
- 9031 - "The Effect of the Medicaid Program on Welfare Participation & Labor Supply," R. Moffit and B. Wolfe, Brown University and University of Wisconsin
- 9032 - "Proxy Reports: Results from a Record Check Study," J.C. Moore, Census Bureau
- 9033 - "Spells Without Health Insurance: What Affects Spell Durations and Who are the Chronically Uninsured?," T. McBride and K. Swartz, The Urban Institute
- 9034 - "Spells Without Health Insurance: Distributions of Durations and their Link to Point-in-Time Estimates of the Uninsured," K. Swartz and T. McBride, The Urban Institute
- 9035 - "Discrete Time Models of Entry into Marriage Based on Retrospective Marital Histories of Young Adults in the U.S. and the Federal Republic of Germany," J. Witte, Harvard University

**1989**

- 8901 - "Quality of SIPP Estimates," R. P. Singh, L. Weidman, and G. Shapiro, Census Bureau
- 8902 - "Two Notes on Sampling Variance Estimates from the 1984 SIPP Public-Use Files," by B. Bye and S. J. Gallicchio, Social Security Administration
- 8903 - "Longitudinal vs. Retrospective Measures of Work Experience," P. Ryscavage and J. Coder, Census Bureau

- 8904 - "Analyzing the Characteristics of Blacks: A Comparison of Data from SIPP and CPS," R. Farley and L. J. Neidert, University of Michigan
- 8905 - "Enhanced Demographic-Economic Data Sets," R. Herriot, C. Bowie, D. Kasprzyk, and S. Haber, Census Bureau
- 8906 - "Reflections on the Income Estimates from the Initial Panel of The Survey of Income and Program Participation (SIPP)," D. Vaughan, Social Security Administration
- 8907 - "Measuring Spells of Unemployment and Their Outcomes," P. Ryscavage, Census Bureau
- 8908 - "Welfare Dependency and its Causes: Determinants of the Duration of Welfare Spells," P. Ruggles, The Urban Institute
- 8909 - "Measuring the Duration of Poverty Spells," P. Ruggles, The Urban Institute and R. Williams, Congressional Budget Office
- 8910 - "Methods of Processing Unit Data Longitudinally on the SIPP," K. Smith, Congressional Budget Office
- 8911 - "Composite Estimation for SIPP Annual Estimates," R. P. Chakrabarty, Census Bureau
- 8912 - "Research and Evaluation Conducted on the Survey of Income and Program Participation," R. Petroni, T. Carmody, and V. Huggins, Census Bureau
- 8913 - "A Poisson Model of Response and Procedural Error Analysis of SIPP Reinterview Data," D. Hill, University of Michigan
- 8914 - "The Economic Resources of the Edlerly," S. Crystal and D. Shea, Rutgers University
- 8915 - "Multivariate Analysis by Users of SIPP Micro-Data Files," R. P. Chakrabarty, Census Bureau
- 8916 - "A Resource-Based Model of Living Arrangements Among the Unmarried Elderly," J. E. Mutchler and J. A. Burr, University of Buffalo
- 8917 - "Measuring Household Change at The individual Level Using Data From SIPP," A. Speare, Jr. and R. Avery, Brown University
- 8918 - "The Effect of Child Care Costs on Married Women's Labor Force participation," R. Connelly, Bowdoin College
- 8919 - "Income and Assets of Social Security Beneficiaries by Type of Benefit," S. Grad, Social Security Administration
- 8920 - "Development and Evaluation of a Survey-Based Type of Benefit Classification for the Social Security Program," D. Vaughan, Social Security Administration
- 8921 - "Wave Seam Effects in the SIPP," N. Young, The Urban Institute
- 8922 - "Components of Longitudinal Household Change for 1984-1985: An Evaluation of National Estimates from the SIPP," by Donald J. Hernandez, Bureau of the Census
- 8923 - "Database Design for Large-Scale Complex Data," by Martin H. David and Alice Robbin, University of Wisconsin-Madison

**SIPP FILES**

- 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 Reciprocity as Observed in the SIPP," by J. Coder, Census Bureau and P. Ruggles, The Urban Institute
- 8819 - "Reservation Wages and Subsequent Acceptance Wages of Unemployed Persons," by P. Ryscavage, Census Bureau
- 8820 - "Selected References From the Income Survey Development Program (ISDP) and Survey of Income and Program Participation (SIPP)"
- 8821 - "Training, Wage Growth, Firm Size," by S. Haber, The George Washington University and E. Lamas, Census Bureau
- 8822 - "Defining and Measuring 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

## SIPP FILES

- 8707 - "Differences Between SIPP and Food and Nutrition Service Program Data on Child Nutrition and WIC Program Participation, by L. Ku and R. Dalrymple, Food and Nutrition Service, U.S. Department of Agriculture
- 8708 - "Quality Profile for the Survey of Income and Program Participation," by K. King, R. Petroni, and R. Singh, Census Bureau
- 8709 - "Survey of Income and Program Participation SIPP Sample Loss and the Efforts to Reduce It," by D. Nelson, C. Bowie, and A. Walker, Census Bureau
- 8710 - "The Impact of Imputation Procedures on Distributional Characteristics of the Low Income Population," by P. Doyle, Mathematica Policy Research, Inc., and R. Dalrymple, Food and Nutrition Service, U. S. Department of Agriculture
- 8711 - "Job Tenure, Lifetime Work Interruptions and Wage Differentials," by J. McNeil, E. Lamas, Census Bureau, and S. Haber, George Washington University
- 8712 - "Measuring the Bias in Gross Flows in the Presence of Auto-Correlated Response Errors," by D. Hubble, Census Bureau, and D. Judkins, Westat, Inc.
- 8713 - "Investigation of Possible Causes of Transition Patterns from SIPP," by L. Weidman, Census Bureau
- 8714 - "Households and Income Sources: Monthly Averages for 1984," by J. Moorman, Census Bureau
- 8715 - "Creating SIPP Longitudinal Files Using OSIRIS IV," by M. Servais, University of Michigan
- 8716 - "Transition In and Out of Poverty: New Data From the Survey of Income and Program Participation," by P. Ruggles, Urban Institute and R. Williams, Congressional Budget Office
- 8717 - "On their own: The Self-employed and Others in Private Business," by S. Haber, George Washington University, E. Lamas Bureau of the Census, and J. Lichtenstein, U.S. Small Business Administration.
- 8718 - "Factors Associated With Household Net Worth," by E. Lamas and J. McNeil, Bureau of the Census
- 8719 - "Exploring Changes in Health Care Coverage Using the SIPP Longitudinal Research File," by D. Burkhead and A. Feldman, Bureau of the Census
- 8720 - "The Analysis of Geographical Mobility and Life Events with the SIPP," by D. Dahmann and E. McArthur, Bureau of the Census
- 8721 - "A Review of the Use of Administrative Records in the Survey of Income and Program Participation, by C. Bowie and D. Kasprzyk, Census Bureau
- 8722 - "Survey of Income and Program Participation Update," by D. Kasprzyk, Bureau of the Census
- 8723 - "Measuring Poverty with the SIPP and the CPS," by R. Williams, Congressional Budget Office
- 8724 - "The Statistical Invisible Minority Aged," by C. Taeuber, Bureau of the Census, and E. Attah, Atlanta University
- 8725 - "An Analysis of the SIPP Asset and Liability Feedback Experiment," by E. Lamas and J. McNeil, Bureau of the Census

## 1986

- 8601 - "Some Aspects of SIPP," compiled and edited by R. A. Herriot and D. Kasprzyk, Census Bureau
- 8602 - "Nonsampling Error Issues in the SIPP," by G. Kalton, University of Michigan, and D. B. McMillen and D. Kasprzyk, Census Bureau
- 8603 - "An Investigation of Model-Based Imputation Procedures Using Data From the Income Survey Development Program," by V. J. Huggins and L. Weidman, Census Bureau
- 8604 - "Food Stamp Participation: A Comparison of SIPP With Administrative Records," by S. Carlson and R. Dalrymple, Food and Nutrition Service
- 8605 - "SIPP Longitudinal Household Estimation for the Proposed Longitudinal Definition," by L. R. Ernst, Census Bureau
- 8606 - "A Comparison of Seven Imputation Procedures for the 1979 Panel of the Income Survey Development Program," by V. J. Huggins, Census Bureau
- 8607 - "An Investigation of the Imputation of Monthly Earnings for the Survey of Income and Program Participation Using Regression Models," by V. J. Huggins and L. Weidman, Census Bureau
- 8608 - "Evaluation of Training Materials and Methods for the Survey of Income and Program Participation," by M. Holt, Survey Research Consultant
- 8609 - "Patterns of Household Composition and Family Status change," by C. F. Citro, ASA/Census Research Fellow, and H. W. Watts, Department of Economics, Columbia University
- 8610 - "Composite Estimation for SIPP: A Preliminary Report," by R. P. Chakrabarty, Census Bureau
- 8611 - "Longitudinal Household Concepts in SIPP: Preliminary Results," by C. F. Citro, ASA/Census Research Fellow, D. J. Hernandez, and R. A. Herriot, Census Bureau
- 8612 - "Following Children in the Survey of Income and Program Participation," by E. K. McArthur, K. S. Short, and S. Bianchi, Census Bureau
- 8613 - "SIPP Labor Transitions: Problems and Promises," by P. Ryscavage and K. S. Short, Census Bureau
- 8614 - "Augmenting Data Reported in the Survey of Income and Program Participation With Administrative Record Data - A Brief Discussion," by D.K. Sater, Census Bureau

## 1985

- 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

**SIPP FILES**

- 8505 - "Enhancing Data From the Survey of Income and Program Participation With Data From Economic Censuses and Surveys," by D. K. Sater, Census Bureau
- 8506 - "Methodologies for Imputing Longitudinal Survey Items," by V. J. Huggins, L. Weidman, and M. E. Samuhel, Census Bureau
- 8507 - "New Household Survey and the CPS: A Look at Labor Force Differences," by P. M. Ryscavage, Census Bureau, and J. E. Bregger, Bureau of Labor Statistics

**1984**

- 8401 - (Update No. 1, Revised 12/85) "An Overview of the Survey of Income and Program Participation," by D. Nelson, D.B. McMillen, and D. Kasprzyk, Census Bureau

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1988

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1989

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1990

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## APPENDIX D

### Machine-Readable Data Dictionary Layout

Data dictionary lines are 46 characters. The character on the first position determines the type of lines. Each variable may have the following lines:

1. COMMENTS ( " \* " ) lines
2. DATA DICTIONARY ( " D " ) ; line and DATA DESCRIPTION
3. UNIVERSE ( " U " ) lines
4. VALUE DESCRIPTION lines
5. One blank line at the end

#### FORMAT

##### "\*" LINE COMMENTS

- a. " \* " in the first position indicates that this is a comment line. This line can appear any place in the dictionary. It will be used for short comments or to nullify any value codes.
- b. " \*\* " in the first two positions is also comments but it has additional meaning. It indicates this is a block of comments which will be applied to several variables. The first line of this block will ave the COMMENT NO. so that subsequent variable can refer back to this comment block.

##### "D" LINE DATA DICTIONARY

This line contains the following information:

ID	"D"	COL.	1- 1
NAME	Variable name	COL.	3-10
SIZE	Size of data field	COL.	14-15
BEGIN	Begin position of data field	COL.	19-22
TYPE	Character variable indicator "CHAR" or blanks if numeric variable	COL.	26-29
DEC	Implied decimal places	COL.	33-34
IND	TABLE variable indicator "TABLE" with "(aa)" for its dimension; otherwise blanks	COL.	38-46

Text describing the variable will follow this "D" line. Use COL. 6-46 and repeat as many lines as necessary.

##### "U" LINE UNIVERSE DEFINITION

This line contains the universe definition. Use COL. 3-46 and repeat as many lines as necessary.

ID	" U "	COL.	1- 1
DESCRIPTION	Universe description	COL.	3-46

(For continuation use COL. 3-46 and repeat as many lines as necessary.)

##### "V" LINE VALUE DEFINITION

ID	" V "	COL.	1- 1
VALUE	Value code-right justified	COL.	3-12
	"."	COL.	14
DESCRIPTION	Value description	COL.	15-46

(Repeat COL. 14-46 format for continued value description.)

## **APPENDIX E**

### **User Notes**

This section is reserved for any information relevant to the SIPP 1991 Panel, Wave 5 Topical Module Microdata File that indicates specific problems with the data, or that becomes available after the file is released. Any such information should be filed behind this page.

User Notes will be sent to all users who (1) purchased their file (or technical documentation) from the Census Bureau and (2) returned the coupon following the title page.







**UNITED STATES DEPARTMENT OF COMMERCE**  
**Bureau of the Census**  
Washington, DC 20233-0001

**SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)  
1991 WAVE 5 TOPICAL MODULE RESEARCH FILE**

**USER NOTE 1**

**Subject: Corrected Index and Variable Listing**

The attached sections 4 and 5 of the technical documentation for this file show corrections to the index and variable listings.

Please replace these two sections with the revised sheets.

## INDEX TO 1991 WAVE 5 TOPICAL MODULE RESEARCH FILE

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ENTRY	Address Identification - Edited Entry	30
ETHNICTY	Ethnic Origin	63
FINALWGT	Weight, Second Stage Factor	35
GRD-CMPL	Grade Attended Was Completed, Highest	62
HIGRADE	Grade or Year of School Attended, Highest	60
ID	Identifier, Sample Unit	6
INTVW	Interview Status, Person's	24
ITEM36B	Interview Status Code	22
MS	Marital Status	53
PINX	Index From Core, Person	18
PNPT	Person Number of Parent	57
PNSP	Person Number of Spouse	54
PNUM	Person Number, Edited	32
PP-MIS1:5	Person's Month in Sample	25
RACE	Race - Edited and Imputed	52
ROTATION	Rotation Group	15
RRP	Relationship to Reference Person, Edited	47
SEX	Sex - Edited and Imputed	51
STATE	State Code - FIPS	16
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TM8210	Income Received by Other Household Owners of Business	106
TM8212	Co-Owner of Business, Person Number of First	108
TM8216	Loss From Business for First Co-Owner, Indication of	111
TM8218	Co-Owner of Business, Person Number of Second	113
TM8222	Loss From Business for Second Co-Owner, Indication of	116
TM8254	Income From Second Business	148
TM8258	Part Owners of Second Business - Check Item T8	150
TM8260	Income Received From Business By Household Owners	151
TM8262	Co-Owner of Second Business, Person Number of First	153
TM8266	Loss from Second Business for First Co-Owner	156
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TM9380	Stocks or Mutual Fund Shares	191
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TM9384	Assets, Types Unknown	193
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TM9386	Salary Reduction or 401K Plan	195
TM9390	Tax Information Already Obtained - Check Item T26	201
TM9392	Tax Return Filed for 1990	202
TM9394	Tax Form Copy For Reference	203
TM9396	Tax Filing Status	204
TM9398	Tax Return Exemptions Claimed, Total Number of	206
TM9414	Tax Exemptions for Dependents Outside Home	208
TM9416	Tax Exemptions for 1st Dependent - Relationship	209
TM9418	Tax Exemptions for 2nd Dependent - Relationship	210
TM9420	Tax Form Filed, Type of	211
TM9422	Tax Schedule A - Itemized Deductions	213
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TM9494	Tax Paid Jointly With Person One, Property	221
TM9496	Tax Paid Jointly With Person Two, Property	224
TM9498	Tax Bill, Amount of Property	227
TM9610	School Enrollment Status	233
TM9612	Grade or Level in Which Enrolled	234
TM9614	Enrolled in Elementary or High School	236
TM9616	Enrolled in Public School	237
TM9618	Cost of Tuition and Fees, Total	238
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TM9648	National Direct Student Loan	281
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TM9668	Tuition Reduction Educational Assistance	309
TM9670	Tuition Reduction, Amount Received From	310
TM9672	Educational Assistance, Other Type of	314
TM9674	Educational Assistance From Other Source, Amount of	315
TMEBCNT	Items With Data on This Record, Number of	197
TMETCNT	Items With Data on This Record, Number of	320
TMIND1	Industry Code for First Business	74
TMIND2	Industry Code for Second Business	119
TMPICNT	Items With Data on This Record, Number of	229
TMTEDFIN	Educational Assistance, Total Amount of	340
WAVE	Wave Number Within Panel	65