

**Survey of Income and Program
Participation (SIPP)
1991 Panel
Wave 8 Topical Module
Microdata Research File**

TECHNICAL DOCUMENTATION
SIPP-91-8T-RES

SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)

1991 PANEL

WAVE 8 TOPICAL MODULE MICRODATA RESEARCH FILE

TECHNICAL DOCUMENTATION

Washington, D.C.

1994



U.S. DEPARTMENT OF COMMERCE

Ronald H. Brown, Secretary

David J. Barram, Deputy Secretary

Economic and Statistics Administration

**Everett M. Ehrlich, Under Secretary for
Economic Affairs**

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



BUREAU OF THE CENSUS

Dr. Harry A. Scarr, Acting Director
Jane A. Callen, Assistant Director for
Communications

DATA USER SERVICES DIVISION

Jane A. Callen, Acting Chief

ACKNOWLEDGMENTS

Staff members of Demographic Surveys Division, under the direction of Sherry L. Courtland, Chief, provided overall guidance on technical details of this technical documentation. Fuad Foty provided the unformatted data dictionary file. In Data User Services Division, Genny Burns, assisted by Virginia Collins and Barbara Shugart, coordinated the production of this documentation.

The file should be cited as follows:

Survey of Income and Program Participation (SIPP) 1991 Panel, Wave 8 Topical Module Microdata Research File [machine-readable data file] / prepared by the Bureau of the Census. -Washington: The Bureau [producer and distributor], 1994.

The technical documentation should be cited as follows:

Survey of Income and Program Participation (SIPP) 1991 Panel, Wave 8 Topical Module Microdata Research File Technical Documentation / prepared by the Data User Services Division, Bureau of the Census. -Washington: The Bureau, 1994.

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

For additional information concerning the technical documentation, contact Data User Services Division, Data Access and Use Branch, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-2074.

For additional information concerning the questionnaire content or subject matter, contact Judy Eargle (763-8578) in Housing and Household Economics Statistics Division, Bureau of the Census, Washington, D.C. 20233.

TABLE OF CONTENTS

SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP) 1991 PANEL WAVE 8 TOPICAL MODULE MICRODATA RESEARCH FILE

Abstract.....	1-1
File Information.....	2-1
Glossary of Selected Terms.....	3-1
Index.....	4-1
Variable Listing.....	5-1
How to Use the Data Dictionary.....	6-1
Data Dictionary.....	7-1
Source and Accuracy Statement.....	8-1
Appendices	
A. Code Lists	
A-1 Income Source Code List.....	A1-1
A-2 Income Sources Included in Monthly Cash Income.....	A2-1
A-3 Sources of Means-Tested Benefits Covered in SIPP.....	A3-1
A-4 1980 Census of Population Occupation Classification System.....	A4-1
A-5 1980 Census of Population Industry Classification System.....	A5-1
B. Facsimiles	
B-1 Control Card.....	B1-1
B-2 Topical Module Questionnaire.....	B2-1
C. Working Papers.....	C-1
D. Machine-Readable Data Dictionary Layout.....	D-1
E. User Notes.....	E-1

UPDATE INFORMATION

Additional information concerning this file may be available at a later date. If you have purchased this technical documentation (with or without tape purchase) from the Census Bureau and wish to receive these User Notes, please complete the coupon below and return it to:

Data User Services Division
Data Access and Use Branch
Bureau of the Census
Washington, D.C. 20233

Name of File: **Survey of Income and Program Participation (SIPP) 1991 Panel, Wave 8 Topical Module
Microdata Research File**

Please send me any information that becomes available later concerning the file listed.

Name:

Address:

Phone:

ABSTRACT

*Survey of Income and Program Participation (SIPP) 1991 Panel Wave 8
Topical Module Microdata Research File [machine-readable data file] /
conducted by the U.S. Bureau of the Census. -Washington: The Bureau
[producer and distributor], 1994.*

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 1993. 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 eighth 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: 36,279 logical records; 400 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

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

Survey of Income and Program Participation (SIPP) 1991 Panel, Wave 8 Topical Module Microdata Research File Technical Documentation. The documentation includes this abstract, the data dictionary, an index to the data dictionary, relevant code lists, a questionnaire facsimile, and general information relative to SIPP. One copy of the technical documentation accompanies each file order but also may be purchased separately 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 1991 Panels as well as Waves 1 through 5 of the 1992 Panel and 1993 Panel Wave 1-3 are available from Customer Services, Data User Services Division, Bureau of the Census, Washington, DC 20233. An order form is on the following page for your convenience.

File Availability

Survey of Income and Program Participation (SIPP) 1991 Panel, Wave 8 Topical Module Microdata Research File is available on computer tape at 6250 bpi, ASCII or EBCDIC, and standard ANSI labeling. The file can also be made available on IBM 3480 compatible tape cartridge or CD-R (compact disc-recordable) in ASCII for the same price as the file on tape. A machine-readable dictionary is contained at the end of each file. This dictionary is also available separately on one tape reel or cartridge. When ordering, please use the order form on the following page.

*0009

Census Bureau Order Forms

**Need more copies?
Please Photocopy**

PUBLICATIONS — Use this form *ONLY* to order publications *not in stock at GPO*. (Use the GPO order form for those sold by GPO.) *Orders incorrectly sent to the Census Bureau will be returned.*

Please Type or Print. Prices include regular domestic postage and handling. International customers please add 25%.

Qty.	Series number	Title	Price each	Total price
Total for publications				

(Company or personal name) _____ (Please type or print)

(Additional address/attention line) _____

(Street address) _____

(City, State, ZIP Code) _____

(Daytime phone including area code) _____ (Date) _____

Please Choose Method of Payment:

Check payable to **Superintendent of Documents**
Mail to: Bureau of the Census, DPD—Publications Unit, 1201 E. Tenth St., Jeffersonville, IN 47132

GPO deposit account [] [] [] [] [] [] - []
Mail to: Customer Services, Bureau of the Census, Washington, DC 20233-0800
[or call 301-763-4100; fax 301-763-5198]

*0010
ELECTRONIC MEDIA, MICROFICHE, DOCUMENTATION, AND OTHER — Use for computer tape (TAPE), computer tape cartridge (CART), technical documentation (TD), compact disc—read-only memory (CD-ROM), diskette (DISK), microfiche (FICHE), or paper reproductions — “blowbacks” (BB).

Charge your order. It's easy!  
To fax your orders: 301-763-4794

Please Type or Print. All prices include regular domestic postage and handling. International customers, please add 25% to cover handling and air shipment.

Qty.	Media (See abbrev. above)	Title	Price each	Total price
Total for products listed (minimum order: \$10)				

COMPUTER TAPE INSTRUCTIONS

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

Tape Reel *or* Tape Cartridge
 EBCDIC *or* ASCII

A machine-readable data dictionary generally is included without charge with either format.
 Other tape characteristics are available by special request for an additional handling fee of \$50. Before placing an order, make arrangements by writing or faxing a description of your special requirements to Customer Services, attention Jim Clark.

(Company or personal name) _____ (Please type or print)

(Additional address/attention line) _____

(Street address) _____

(City, State, ZIP Code) _____

(Daytime phone including area code) _____ (Date) _____

Please Choose Method of Payment:

Check payable to **Commerce—Census**
 Census deposit account [9] [] [] [] []
 VISA or MasterCard Account

 (Name on card) _____ (Expiration date) _____

 (Signature)

Mail to: Customer Services, Bureau of the Census, Washington, DC 20233-0800; 301-763-4100.

FILE INFORMATION

Matching Topical Module File with Core File

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

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

Geographic Coverage

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

Identification Number System

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

The various components of the identification scheme are listed below:

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

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

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

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

SIPP 1991 WAVE 8 TOPICAL MODULE RESEARCH

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-60, are based only on income received in a regular or periodic manner and, therefore, exclude lump-sum or one-time payments such as inheritances and insurance settlements. The March CPS income definition, however, does exclude the same income sources excluded by SIPP.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

INDEX TO 1991 WAVE 8 TOPICAL MODULE MICRODATA RESEARCH FILE

<u>Item</u>	<u>Mnemonic</u>	<u>Position</u>
Address Identification.....	ADDID	20
Address Identification - Edited Entry	ENTRY	30
Adjusted Gross Income Amount - Check Item T18	TM9466	371
Age as of Last Birthday - Edited and Imputed	AGE	48
Business (Second) Owner , Person Number of Other	TM8064	152
Business Co-Owners are Household Memers, First.....	TM8106	89
Business Co-Owners First Person Number, First	TM8108	91
Business Co-Owners Second Person Number, First.....	TM8110	94
Business ID Number - Check Item T3	TM8010	77
Business ID Number For Other Owner	TM8016	83
Business ID Number for Other Owner.....	TM8066	155
Business In Own Name, Percentage of Second.....	TM8166	172
Business Information Already Obtained - Check Item T4.....	TM8012	79
Business Information Obtained - Check Item T4	TM8062	151
Business Listed, Another - Check Item T9	TM8274	145
Business Names on Control Card - Check Item T1	TM8000	69
Business Owned and Operated During Calendar Year 1992.....	TM8004	71
Business Owned by Household Members, % of Second.....	TM8164	170
Business Owned Entirely by Household Member	TM8112	97
Business Owned Entirely by Household Members, Second.....	TM8162	169
Business Percentage Owned Entirely by Household Members.....	TM8114	98
Business Percentage Owned in Own Name	TM8116	100
Business Primarily Located in Own Home or Somewhere Else.....	TM8020	87
Businesses Owned and Operated During 1992, Number of	TM8006	72
Businesses Three or More - Check Item T10	TM8276	217
Callback for Estimate of Income From Second Business	TM8256	195
Capital Gains or Losses From Sale or Exchange of Personal Assets.....	TM9460	353
Co-Owner of Business, Person Number of First.....	TM8212	127
Co-Owner of Business, Person Number of Second	TM8218	136
Current Household Members - Check Item T13	TM9400	304
Earned Income Credit Amount Claimed	TM9474	374
Earned Income Credit Claim.....	TM9472	372
Employer Names - Check Item T11.....	TM9385	282
Ethnic Origin.....	ETHNICTY	63
Expenses of First Business, Total.....	TM8120	108
Expenses of Second Business, Total	TM8170	180
Federal Income Tax Return Filed.....	TM9392	298
Federal Tax Exemptions for Persons Outside of Home	TM9414	321
Federal Tax Exemptions for Persons Outside of Home, Relationship of First	TM9416	322
Federal Tax Exemptions for Persons Outside of Home, Relationship to Second.....	TM9418	323
Federal Tax Form Copy of Worksheet	TM9394	299
Federal Tax Form Exemptions - Fifth Person Number	TM9410	317
Federal Tax Form Exemptions - First Person Number	TM9402	305
Federal Tax Form Exemptions - Fourth Person Number	TM9408	314
Federal Tax Form Exemptions - None in Household	TM9412	320
Federal Tax Form Exemptions - Second Person Number	TM9404	308
Federal Tax Form Exemptions - Third Person Number.....	TM9406	311
Federal Tax Form Filing Status.....	TM9396	300
Federal Tax Form Number of Exemptions.....	TM9398	302
Federal Tax Form or Worksheet - Check Item T14.....	TM9428	330
Federal Tax Schedule A, Itemized Deductions	TM9422	326
Federal Tax Schedule D, Capital Gains and Losses.....	TM9424	328

SIPP 1991 WAVE 8 TOPICAL MODULE RESEARCH

<u>Item</u>	<u>Mnemonic</u>	<u>Position</u>
Federal Tax Type of Form Filed.....	TM9420	324
Form 1040 Marked - Check Item T15.....	TM9430	331
Form of Business - Type of Proprietorship	TM8068	157
Grade Attended Was Completed, Highest.....	GRD-CMPL	62
Grade or Year of School Attended, Highest.....	HIGRADE	60
Household Members Part Business Owners - Check Item T8.....	TM8208	124
Household Members Part Owner-Second Person Number.....	TM8160	166
Household Members Part Owners of Second Business	TM8156	161
Household Members Part Owners of Second Business - Check Item T8.....	TM8258	196
Household Members Part Owners-First Person Number.....	TM8158	163
ID Number of Second Business - Check Item T3	TM8060	149
Identifier, Sample Unit.....	ID	6
Income Amount Received by Other Household Members for First Business	TM8214	130
Income Amount Received by Second Co-Owner of Business.....	TM8220	139
Income Estimate Callback	TM8206	123
Income From First Business.....	TM8202	117
Income From Other Businesses in 1992	TM8278	218
Income From Second Business	TM8252	189
Income Received by First Household Co-Owner of Second Business	TM8264	202
Income Received by Other Household Owners of Business	TM8210	125
Income Received by Other Household Owners of Second Business	TM8260	197
Income Received by Second Household Co-Owner of Second Business.....	TM8270	211
Income, Adjusted Gross	TM9462	359
Index From Core, Person.....	PINX	18
Individual Retirement Account (IRA)	TM9330	224
Individual Retirement Account Contribution Amount	TM9334	228
Individual Retirement Account Tax-Deductible Contributions	TM9332	226
Individual Retirement Account Total Earnings.....	TM9340	240
Individual Retirement Account Withdrawal Amount	TM9338	235
Individual Retirement Account Withdrawal Made	TM9336	233
Industry Code for First Business	TMIND1	100
Industry Code for Second Business.....	TMIND2	146
Interview Status Code	ITEM36B	22
Interview Status for Persons, Monthly.....	PP-MIS1:5	25
Interview Status of Spouse - Check Item T20	TM9488	381
Interview Status, Person's.....	INTVW	24
Interviews Obtained Previously - Check Item T2	TM8002	70
IRA Asset Type - Certificates of Deposit or Other Savings Certificate.....	TM9342	245
IRA Asset Type - Don't Know	TM9356	252
IRA Asset Type - Money Market Funds.....	TM9344	246
IRA Asset Type - Municipal or Corporate Bonds	TM9348	248
IRA Asset Type - Other Assets.....	TM9354	251
IRA Asset Type - Stocks or Mutual Fund Shares.....	TM9352	250
IRA Asset Type - U. S. Government Securities	TM9346	247
IRA Asset Type - U. S. Savings Bonds	TM9350	249
Items With Data on This Record, Number of	TMEBCNT	291
Items With Data on This Record, Number of	TMPICNT	396
Keogh Account Amount of Withdrawals in 1992.....	TM9366	264
Keogh Account Earnings	TM9368	269
Keogh Account in Own Name	TM9358	253
Keogh Account Tax-Deductible Contributions	TM9360	255
Keogh Account Tax-Deductible Contributions Amount	TM9362	257
Keogh Account Withdrawals in 1992.....	TM9364	262
Keogh Asset Types - Certificates of Deposit or Other Savings Certificates	TM9370	274

<u>Item</u>	<u>Mnemonic</u>	<u>Position</u>
Keogh Asset Types - Don't Know	TM9384	281
Keogh Asset Types - Money Market Funds	TM9372	275
Keogh Asset Types - Municipal or Corporate Bonds	TM9376	277
Keogh Asset Types - Other Assets	TM9382	280
Keogh Asset Types - Stocks or Mutual Shares	TM9380	279
Keogh Asset Types - U. S. Government Securities	TM9374	276
Keogh Asset Types - U. S. Savings Bonds	TM9378	278
Location of Business, Primarily	TM8070	159
Marital Status	MS	53
Owner of Business, Person Number of Other	TM8014	80
Person Number of First Household Co-Owner of Second Business	TM8262	199
Person Number of Parent	PNPT	57
Person Number of Second Household Co-Owner of Second Business	TM8268	208
Person Number of Spouse	PNSP	54
Person Number, Edited	PNUM	32
Property Tax Amount	TM9498	390
Property Taxes Paid Jointly	TM9492	383
Property Taxes Paid Jointly - First Person Number	TM9494	384
Property Taxes Paid Jointly - Second Person Number	TM9496	387
Property Taxes Paid on Residence	TM9490	382
Race of Respondent	RACE	52
Receipts of First Business, Gross	TM8118	102
Receipts of Second Business, Gross	TM8168	174
Receipts or Expenses Callback for 2nd Business	TM8174	187
Receipts or Expenses Callback for First Business	TM8124	115
Receipts/Expenses of 2nd Business - Check Item T6	TM8172	186
Receipts/Expenses of First Business, DK - Check Item T6	TM8122	114
Relationship to Reference Person, Edited	RRP	47
Rotation Group	ROTATION	15
Schedule A Marked - Check Item T16	TM9432	332
Schedule D, Capital Gains and Losses - Check Item T17	TM9458	352
Sequence Number of Sample Unit	SUSEQNUM	1
Sex - Edited and Imputed	SEX	51
Sole Proprietorship - Check Item T5	TM8104	88
Sole Proprietorship - Check Item T7	TM8126	116
Sole Proprietorship of 2nd Business - Check Item T7	TM8176	188
Sole Proprietorship-Check Item T5 for Second Business	TM8154	160
State Code, FIPS	STATE	16
Tax Claim Amount for Child and Dependent Care Expense Credit	TM9448	340
Tax Claim for Child and Dependent Care Expense Credit	TM9446	339
Tax Credit Amount for the Elderly or Disabled	TM9452	347
Tax Credit for the Elderly or Disabled	TM9450	346
Tax Information Obtained - Check Item T12	TM9390	297
Tax Itemized Deductions Amount	TM9434	333
Tax Liability, Net	TM9464	365
Tenure of Reference Person - Check Item T19	TM9486	380
Thrift Plan Amount of Contribution	TM9388	285
Thrift Plan Participation	TM9386	283
Type of Business	TM8018	85
Wave Number Within Panel	WAVE	102
Weight, Second Stage Factor	FINALWGT	35

VARIABLE LISTING TO 1991 WAVE 8 TOPICAL MODULE MICRODATA RESEARCH FILE

<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
RACE	Race of Respondent	52
ROTATION	Rotation Group	15
RRP	Relationship to Reference Person, Edited	47
SEX	Sex - Edited and Imputed	51
STATE	State Code, FIPS	16
SUSEQNUM	Sequence Number of Sample Unit	1
TM8000	Business Names on Control Card - Check Item T1	69
TM8002	Interviews Obtained Previously - Check Item T2	70
TM8004	Business Owned and Operated During Calendar Year 1992	71
TM8006	Businesses Owned and Operated During 1992, Number of	72
TM8010	Business ID Number - Check Item T3	77
TM8012	Business Information Already Obtained - Check Item T4	79
TM8014	Owner of Business, Person Number of Other	80
TM8016	Business ID Number For Other Owner	83
TM8018	Type of Business	85
TM8020	Business Primarily Located in Own Home or Somewhere Else	87
TM8060	ID Number of Second Business - Check Item T3	149
TM8062	Business Information Obtained - Check Item T4	151
TM8064	Business (Second) Owner, Person Number of Other	152
TM8066	Business ID Number for Other Owner	155
TM8068	Form of Business - Type of Proprietorship	157
TM8070	Location of Business, Primarily	159
TM8104	Sole Proprietorship - Check Item T5	88
TM8106	Business Co-Owners are Household Memers, First	89
TM8108	Business Co-Owners First Person Number, First	91
TM8110	Business Co-Owners Second Person Number, First	94
TM8112	Business Owned Entirely by Household Member	97
TM8114	Business Percentage Owned Entirely by Household Members	98
TM8116	Business Percentage Owned in Own Name	100
TM8118	Receipts of First Business, Gross	102
TM8120	Expenses of First Business, Total	108
TM8122	Receipts/Expenses of First Business, DK - Check Item T6	114
TM8124	Receipts or Expenses Callback for First Business	115
TM8126	Sole Proprietorship - Check Item T7	116
TM8154	Sole Proprietorship-Check Item T5 for Second Business	160
TM8156	Household Members Part Owners of Second Business	161

SIPP 1991 WAVE 8 TOPICAL MODULE RESEARCH

<u>Mnemonic</u>	<u>Item</u>	<u>Position</u>
TM8158	Household Members Part Owners-First Person Number	163
TM8160	Household Members Part Owner-Second Person Number	166
TM8162	Business Owned Entirely by Household Members, Second	169
TM8164	Business Owned by Household Members, % of Second	170
TM8166	Business In Own Name, Percentage of Second	172
TM8168	Receipts of Second Business, Gross	174
TM8170	Expenses of Second Business, Total	180
TM8172	Receipts/Expenses of 2nd Business - Check Item T6	186
TM8174	Receipts or Expenses Callback for 2nd Business	187
TM8176	Sole Proprietorship of 2nd Business - Check Item T7	188
TM8202	Income From First Business	117
TM8206	Income Estimate Callback	123
TM8208	Household Members Part Business Owners - Check Item T8	124
TM8210	Income Received by Other Household Owners of Business	125
TM8212	Co-Owner of Business, Person Number of First	127
TM8214	Income Amount Received by Other Household Members for First Business	130
TM8218	Co-Owner of Business, Person Number of Second	136
TM8220	Income Amount Received by Second Co-Owner of Business	139
TM8252	Income From Second Business	189
TM8256	Callback for Estimate of Income From Second Business	195
TM8258	Household Members Part Owners of Second Business - Check Item T8	196
TM8260	Income Received by Other Household Owners of Second Business	197
TM8262	Person Number of First Household Co-Owner of Second Business	199
TM8264	Income Received by First Household Co-Owner of Second Business	202
TM8268	Person Number of Second Household Co-Owner of Second Business	208
TM8270	Income Received by Second Household Co-Owner of Second Business	211
TM8274	Business Listed, Another - Check Item T9	145
TM8276	Businesses Three or More - Check Item T10	217
TM8278	Income From Other Businesses in 1992	218
TM9330	Individual Retirement Account (IRA)	224
TM9332	Individual Retirement Account Tax-Deductible Contributions	226
TM9334	Individual Retirement Account Contribution Amount	228
TM9336	Individual Retirement Account Withdrawal Made	233
TM9338	Individual Retirement Account Withdrawal Amount	235
TM9340	Individual Retirement Account Total Earnings	240
TM9342	IRA Asset Type - Certificates of Deposit or Other Savings Certificate	245
TM9344	IRA Asset Type - Money Market Funds	246
TM9346	IRA Asset Type - U. S. Government Securities	247
TM9348	IRA Asset Type - Municipal or Corporate Bonds	248
TM9350	IRA Asset Type - U. S. Savings Bonds	249
TM9352	IRA Asset Type - Stocks or Mutual Fund Shares	250
TM9354	IRA Asset Type - Other Assets	251
TM9356	IRA Asset Type - Don't Know	252
TM9358	Keogh Account in Own Name	253
TM9360	Keogh Account Tax-Deductible Contributions	255
TM9362	Keogh Account Tax-Deductible Contributions Amount	257
TM9364	Keogh Account Withdrawals in 1992	262
TM9366	Keogh Account Amount of Withdrawals in 1992	264
TM9368	Keogh Account Earnings	269
TM9370	Keogh Asset Types - Certificates of Deposit or Other Savings Certificates	274
TM9372	Keogh Asset Types - Money Market Funds	275
TM9374	Keogh Asset Types - U. S. Government Securities	276
TM9376	Keogh Asset Types - Municipal or Corporate Bonds	277
TM9378	Keogh Asset Types - U. S. Savings Bonds	278

<u>Mnemonic</u>	<u>Item</u>	<u>Position</u>
TM9380	Keogh Asset Types - Stocks or Mutual Shares	279
TM9382	Keogh Asset Types - Other Assets	280
TM9384	Keogh Asset Types - Don't Know	281
TM9385	Employer Names - Check Item T11	282
TM9386	Thrift Plan Participation	283
TM9388	Thrift Plan Amount of Contribution	285
TM9390	Tax Information Obtained - Check Item T12	297
TM9392	Federal Income Tax Return Filed	298
TM9394	Federal Tax Form Copy of Worksheet	299
TM9396	Federal Tax Form Filing Status	300
TM9398	Federal Tax Form Number of Exemptions	302
TM9400	Current Household Members - Check Item T13	304
TM9402	Federal Tax Form Exemptions - First Person Number	305
TM9404	Federal Tax Form Exemptions - Second Person Number	308
TM9406	Federal Tax Form Exemptions - Third Person Number	311
TM9408	Federal Tax Form Exemptions - Fourth Person Number	314
TM9410	Federal Tax Form Exemptions - Fifth Person Number	317
TM9412	Federal Tax Form Exemptions - None in Household	320
TM9414	Federal Tax Exemptions for Persons Outside of Home	321
TM9416	Federal Tax Exemptions for Persons Outside of Home, Relationship of First	322
TM9418	Federal Tax Exemptions for Persons Outside of Home, Relationship to Second	323
TM9420	Federal Tax Type of Form Filed	324
TM9422	Federal Tax Schedule A, Itemized Deductions	326
TM9424	Federal Tax Schedule D, Capital Gains and Losses	328
TM9428	Federal Tax Form or Worksheet - Check Item T14	330
TM9430	Form 1040 Marked - Check Item T15	331
TM9432	Schedule A Marked - Check Item T16	332
TM9434	Tax Itemized Deductions Amount	333
TM9446	Tax Claim for Child and Dependent Care Expense Credit	339
TM9448	Tax Claim Amount for Child and Dependent Care Expense Credit	340
TM9450	Tax Credit for the Elderly or Disabled	346
TM9452	Tax Credit Amount for the Elderly or Disabled	347
TM9458	Schedule D, Capital Gains and Losses - Check Item T17	352
TM9460	Capital Gains or Losses From Sale or Exchange of Personal Assets	353
TM9462	Income, Adjusted Gross	359
TM9464	Tax Liability, Net	365
TM9466	Adjusted Gross Income Amount - Check Item T18	371
TM9472	Earned Income Credit Claim	372
TM9474	Earned Income Credit Amount Claimed	374
TM9486	Tenure of Reference Person - Check Item T19	380
TM9488	Interview Status of Spouse - Check Item T20	381
TM9490	Property Taxes Paid on Residence	382
TM9492	Property Taxes Paid Jointly	383
TM9494	Property Taxes Paid Jointly - First Person Number	384
TM9496	Property Taxes Paid Jointly - Second Person Number	387
TM9498	Property Tax Amount	390
TMEBCNT	Items With Data on This Record, Number of	291
TMIND1	Industry Code for First Business	100
TMIND2	Industry Code for Second Business	146
TMPICNT	Items With Data on This Record, Number of	396
WAVE	Wave Number Within Panel	102

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 8 TOPICAL MODULE RESEARCH 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
U All persons			
D ROTATION	1	15	Rotation
U All persons			
D STATE	2	16	FIPS state code from the MST/GRIN file
U All persons			
V	01		.Alabama
V	04		.Arizona
V	05		.Arkansas
V	06		.California
V	08		.Colorado
V	09		.Connecticut
V	10		.Delaware
V	11		.District of Columbia
V	12		.Florida
V	13		.Georgia
V	15		.Hawaii
V	17		.Illinois
V	18		.Indiana
V	20		.Kansas
V	21		.Kentucky
V	22		.Louisiana
V	24		.Maryland
V	25		.Massachusetts
V	26		.Michigan
V	27		.Minnesota
V	28		.Mississippi
V	29		.Missouri
V	31		.Nebraska
V	32		.Nevada
V	33		.New Hampshire
V	34		.New Jersey
V	35		.New Mexico
V	36		.New York
V	37		.North Carolina
V	39		.Ohio
V	40		.Oklahoma
V	41		.Oregon
V	42		.Pennsylvania
V	44		.Rhode Island
V	45		.South Carolina
V	47		.Tennessee
V	48		.Texas
V	49		.Utah
V	51		.Virginia
V	53		.Washington
V	54		.West Virginia
V	55		.Wisconsin
V	61		.Maine, Vermont
V	62		.Iowa, North Dakota, South Dakota
V	63		.Alaska, Idaho, Montana, Wyoming
D PINX	2	18	Person index from core

DATA	SIZE	BEGIN	
D ADDID	2	20	Address ID - This field differentiates households within the same PSU, segment and serial, that is, households which originate out of an original sample household
U All households			
D ITEM368	2	22	Control card item 368 - Interview status code
U All households			
V	01		.Interviewed
Type A noninterview			
V	02		.No one home
V	03		.Temporarily absent
V	04		.Refused
V	05		.Unable to locate
V	06		.Other Type A
Type B noninterview (Wave 1)			
V	09		.Vacant
V	10		.Occupied by persons with URE
V	11		.Unfit or to be demolished
V	12		.Under construction, not ready
V	13		.Converted to temporary business storage
V	14		.Unoccupied site for mobile home, trailer, or tent
V	15		.Permit granted, construction not started
V	16		.Other Type B
Type B noninterview (Wave 2+)			
V	16		.Entire HH institutionalized or temporarily ineligible
Type C noninterview (Wave 1)			
V	17		.Demolished
V	18		.House or trailer moved
V	19		.Converted to permanent business storage
V	20		.Merged
V	21		.Condemned
V	22		.Other Type C
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
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 HHLDS across panels
D INTW	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
D PP-MIS1	1	25	Monthly person's interview status
U All persons, including children			
V	1		.Interview
V	2		.Non-interview

SIPP 1991 WAVE 8 TOPICAL MODULE RESEARCH

DATA	SIZE	BEGIN
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 a person's marital status changed during any month, the marital status shown is the status maintained for the greatest part of the month - edited and imputed		
U Persons 15 years old or older		
V	0	.Not a sample person in this month
V	1	.Married, spouse present
V	2	.Married, spouse absent
V	3	.Widowed
V	4	.Divorced
V	5	.Separated
V	6	.Never married
D PNSP	3	54
Person number of spouse		
U Persons 15 years old or older		
V	000	.Not a sample person in this month
V	999	.Not applicable
D PNPT	3	57
Person number of parent		
U Persons 15 years old or older		
V	000	.Not a sample person in this month
V	999	.Not applicable
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 kindergarten
V	01-08	.Elementary
V	09-12	.High school
V	* 21-26	.College

DATA SIZE BEGIN
 D GRD-CHPL 1 62
 Did he/she complete that grade
 U Persons 15 years old or older
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No
 D ETHNICTY 2 63
 Ethnic origin
 U All persons, including children
 V 01 .German
 V 02 .English
 V 03 .Irish
 V 04 .French
 V 05 .Italian
 V 06 .Scottish
 V 07 .Polish
 V 08 .Dutch
 V 09 .Swedish
 V 10 .Norwegian
 V 11 .Russian
 V 12 .Ukrainian
 V 13 .Welsh
 V 14 .Mexican-American
 V 15 .Chicano
 V 16 .Mexican
 V 17 .Puerto Rican
 V 18 .Cuban
 V 19 .Central or South American
 V .(Spanish speaking)
 V 20 .Other Spanish
 V 21 .Afro-American (Black or Negro)
 V 30 .Another group not listed
 V 39 .Don't know

D WAVE 1 65
 Wave of the panel

D FILLER 3 66
 Filler

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

D TM8000 1 69
 Check item T1
 Are the names of any businesses
 listed for ... on the control card?
 U Persons 15 years of age or over
 V 0 .Not applicable
 V 1 .Yes- skip to TM8006
 V 2 .No

D TM8002 1 70
 Check item T2
 Were interviews obtained for ... for
 each of the 1st, 2nd, 3rd and 4th
 waves?
 U Persons 15 years of age or over
 V 0 .Not applicable
 V 1 .Yes- skip to TM9330
 V 2 .No

D TM8004 1 71
 Did ... own and operate a business
 at any time during calendar year
 1991?
 U Persons 15 years of age or over
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No - skip to TM9330

DATA SIZE BEGIN
 D TM8006 2 72
 How many different businesses did
 ... own and operate during calendar
 year 1991?
 U Persons who owned and operated a
 business during 1991
 V 01 .1 business
 V 02 .2 businesses
 V 03 .3 + businesses

 * Fields TMIND1-TM8020, TM8104-TM8126, *
 * TM8202-TM8220, and TM8274 apply to *
 * first business *

D TMIND1 3 74
 Three digit industry code for
 business in TM8010-TM8020
 U Persons who owned and operated a
 business during 1991
 V 000 .Not applicable

D TM8010 2 77
 Check item T3 for business
 Transcribe ID number for this
 business from control card item 43
 U Persons who owned and operated a
 business during 1991
 V -3 .Not listed on control card
 V 00 .Not applicable
 V 01-09 .ID number of business

D TM8012 1 79
 Check item T4 for business
 Has information about this business
 already been obtained in an inter-
 view for another household member?
 V 0 .Not in universe
 V 1 .Yes
 V 2 .No - skip to TM8018

D TM8014 3 80
 Person number of other owner of
 business
 U Persons who owned and operated a
 business for which information has
 already been obtained
 V 000 .Not applicable
 V 101-999 .Person number

D TM8016 2 83
 Business ID number of business
 for other owner
 U Persons who owned and operated a
 business for which information has
 already been obtained
 V -3 .None - skip to TM8274
 V 00 .Not applicable
 V 01-09 .ID number of business -
 V .skip to TM8274

D TM8018 2 85
 What was the form of this (business/
 practice) - was it a sole proprietorship,
 a partnership, or a corporation?
 U Persons who owned and operated a
 business during 1991 for which information
 has not been obtained
 V -1 .DK
 V 00 .Not applicable
 V 01 .Sole proprietorship
 V 02 .Partnership
 V 03 .Corporation

SIPP 1991 WAVE 8 TOPICAL MODULE RESEARCH

DATA	SIZE	BEGIN
D TM8020	1	87
	Was this business primarily located in ...'s own home or somewhere else?	
U	Persons who owned and operated a business during 1991 for which information has not been obtained	
V	0	.Not applicable
V	1	.Own home
V	2	.Somewhere else
D TM8104	1	88
	Check item T5 for business Is "sole proprietorship" marked in TM8018?	
V	0	.Not applicable
V	1	.Yes- skip to TM8118
V	2	.No
D TM8106	2	89
	Were any other members of this household part owners of this (business/practice)?	
U	Owners of businesses that are not sole proprietorships	
V	-1	.DK - skip to TM8116
V	00	.Not applicable
V	01	.Yes
V	02	.No - skip to TM8116

*	The next two fields (TM8108 and TM8110) are person numbers in answer to the question:	
*	Which other household members were owners?	

D TM8108	3	91
	Person number of other household members who are owners	
U	Owners of businesses which are not sole proprietorships and not part owned by other household members	
V	000	.Not applicable
V	101-999	.Person number
D TM8110	3	94
	Person number of other household members who are owners	
U	Owners of businesses which are not sole proprietorships and not part owned by other household members	
V	000	.Not applicable
V	101-999	.Person number
D TM8112	1	97
	Was this (business/practice) owned entirely by members of this household?	
U	Owners of businesses which are not sole proprietorships and not part owned by other household members	
V	0	.Not applicable
V	1	.Yes- skip to TM8116
V	2	.No

DATA	SIZE	BEGIN
D TM8114	2	98
	What percentage of this (business/practice) was owned by members of this household?	
U	Owners of businesses not owned entirely by members of this household	
V	-1	.DK
V	01	.1- 50 percent
V	02	.51 - 100 percent
D TM8116	2	100
	What percentage of this (business/practice) did...own in ...'s own name?	
U	Owners of businesses not owned entirely by members of this household	
V	-1	.DK
V	01	.1 - 25 percent
V	02	.26 - 49 percent
V	03	.50 - 100 percent
D TM8118	6	102
	What were the gross receipts of this (business/practice) in 1991?	
U	Persons who owned and operated a business	
V	-00001	.DK
V	-00002	.Refused
V	000000	.Not applicable
V	1-999999	.Dollars in gross receipts
D TM8120	6	108
	What were the total expenses of this (business/practice) in 1991?	
U	Persons who owned and operated a business	
V	000000	.Not applicable
V	1-999999	.Dollars in total expenses
V	-00001	.DK
V	-00002	.Refused
D TM8122	1	114
	Check item T6 for business Is "DK" marked in either TM8118 or TM8120?	
U	Persons who owned and operated a business	
V	0	.Not applicable
V	1	.Yes
V	2	.No - skip to TM8126
D TM8124	1	115
	Information on (receipts/expenses) is especially important for this survey. If we were to call you back later could you provide us with an estimate?	
U	Persons who owned and operated a business	
V	0	.Not applicable
V	1	.Yes
V	2	.No
D TM8126	1	116
	Check item T7 for business Is "sole proprietorship" marked in TM8018?	
U	Persons who owned and operated a business	
V	0	.Not applicable
V	1	.Yes- skip to TM8274
V	2	.No

*	The next two fields are possible answers to the question:	
*	What was ...'s net income from this (business/practice) in 1991?	

DATA SIZE BEGIN
 D TM8202 6 117
 U Persons who owned and operated a business
 V -000001 .DK
 V -000002 .Refused - skip to TM8208
 V -000003 .None - skip to TM8208
 V 000000 .Not applicable
 V 1-100000 .Dollars in income or loss
 V .- skip to TM8208

D TM8206 1 123
 This information is especially important
 for the purposes of this survey. If
 we were to call back later could you
 provide us with an estimate?
 U Persons who did not know net income from
 business practice in 1991
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D TM8208 1 124
 Check item T8 for business
 Were any other household members
 part owners of this business?
 U Persons who owned and operated a business
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No - skip to TM8274

D TM8210 2 125
 Apart from the net income already
 reported for ..., did (other house-
 hold owners) receive any net income
 in 1991 from this (business/practice)?
 U Persons who owned business with household
 members
 V -1 .DK - skip to TM8274
 V 00 .Not applicable
 V 01 .Yes
 V 02 .No - skip to TM8274

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

D TM8212 3 127
 Person number of first co-owner of
 business
 U Persons who owned and operated a business
 with other household members who received
 income from business
 V 000 .Not applicable
 V 101-999 .Person number

D TM8214 6 130
 Amount of net income or loss for
 business for first co-owner
 U Persons who owned and operated a business
 with other household members who received
 income from business
 V -00001 .DK
 V -00002 .Refused
 V -00003 .None
 V 000000 .Not applicable
 V 1-100000 .Dollars in income or loss

DATA SIZE BEGIN
 D TM8218 3 136
 Person number of second co-owner of
 business
 U Persons who owned and operated a business
 with second co-owner
 V 000 .Not applicable
 V 101-999 .Person number

D TM8220 6 139
 Amount of net income or loss for
 business for second co-owner
 U Persons who owned and operated a business
 with second co-owner
 V -00001 .DK
 V -00002 .Refused
 V -00003 .None
 V 000000 .Not applicable
 V 1-100000 .Dollars in income or loss

D TM8274 1 145
 Check item T9
 Is another business ?
 U Persons who owned and operated a business
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No - Go to TM9330

 * Fields TMIND2-TM8070, TM8154-TM8176, *
 * and TM8262-TM8270 apply to the *
 * second business *

D TMIND2 3 146
 Three digit industry code for
 business in TM8060-TM8070
 U Persons who owned and operated a second
 business
 V 000 .Not applicable

D TM8060 2 149
 Check item T3 for business
 Transcribe ID number for this
 business from control card item 43
 U Persons who owned and operated a second
 business
 V -3 .Not listed on control card
 V 00 .Not applicable
 V 01-09 .ID number of business

D TM8062 1 151
 Check item T4 for business
 Has information about this business
 already been obtained in an inter-
 view for another household member?
 U Persons who owned and operated a second
 business
 V 0 .Not in universe
 V 1 .Yes
 V 2 .No - skip to TM8068

D TM8064 3 152
 Person number of other owner of
 business
 U Persons who owned and operated a second
 business with other owner
 V 000 .Not applicable
 V 101-999 .Person number

SIPP 1991 WAVE 8 TOPICAL MODULE RESEARCH

DATA SIZE BEGIN

D TM8066 2 155
 Business ID number of business
 for other owner

U Persons who owned and operated a second
 business with other owner

V -3 .None - skip to TM8276

V 00 .Not applicable

V 01-09 .ID number of business - skip
 V .to TM8276

D TM8068 2 157
 What was the form of this (business/
 practice) - was it a sole proprietorship,
 a partnership, or a corporation?

U Persons who owned and operated a second
 business

V -1 .DK

V 00 .Not applicable

V 01 .Sole proprietorship

V 02 .Partnership

V 03 .Corporation

D TM8070 1 159
 Was this business primarily
 located in...s own home or
 somewhere else?

U Persons who owned and operated a second
 business

V 0 .Not applicable

V 1 .Own home

V 2 .Somewhere else

D TM8154 1 160
 Check item T5 for business
 Is "sole proprietorship" marked in
 TM8068?

U Persons who owned and operated a second
 business

V 0 .Not applicable

V 1 .Yes- skip to TM8168

V 2 .No

D TM8156 2 161
 Were any other members of this
 household part owners of this
 (business/practice)?

U Persons who owned and operated a second
 business that is not a sole proprietorship

V -1 .DK - skip to TM8166

V 00 .Not applicable

V 01 .Yes

V 02 .No - skip to TM8166

* The next two fields (TM8158 and *

* TM8160) are person numbers in answer *

* to the questions: *

* *

* Which other household members were *

* owners? *

D TM8158 3 163
 Person number of other household
 members who are owners

U Persons who owned and operated a second
 business with other household members

V 000 .Not applicable

V 101-999 .Person number

DATA SIZE BEGIN

D TM8160 3 166
 Person number of other household
 members who are owners

U Persons who owned and operated a second
 business with other household members

V 000 .Not applicable

V 101-999 .Person number

D TM8162 1 169
 Was this (business/practice) owned
 entirely by members of this household?

U Persons who owned and operated a second
 business with other household members

V 0 .Not applicable

V 1 .Yes- skip to TM8166

V 2 .No

D TM8164 2 170
 What percentage of this (business/
 practice) was owned by members of
 this household?

U Persons who owned and operated a second
 business not owned entirely by members
 of this household

V -1 .DK

V 01 .1 - 50 percent

V 02 .51 - 100 percent

D TM8166 2 172
 What percentage of this (business/
 practice) did ... own in ...s own name?

U Persons who owned and operated a second
 business not owned entirely by members
 of this household

V -1 .DK

V 01 .1 - 25 percent

V 02 .26 - 49 percent

V 03 .50 - 100 percent

D TM8168 6 174
 What were the gross receipts of this
 (business/practice) in 1991?

U Persons who owned and operated a second
 business not owned entirely by members
 of this household

V -00001 .DK

V -00002 .Refused

V 000000 .Not applicable

V 1-999999 .Dollars in gross receipts

D TM8170 6 180
 What were the total expenses of this
 (business/practice) in 1991?

U Persons who owned and operated a second
 business not owned entirely by members
 of this household

V -00001 .DK

V -00002 .Refused

V 000000 .Not applicable

V 1-999999 .Dollars in total expenses

D TM8172 1 186
 Check item T6 for business
 Is "DK" marked in either TM8168 or
 TM8170?

U Persons who owned and operated a second
 business not owned entirely by members
 of this household

V 0 .Not applicable

V 1 .Yes

V 2 .No - skip to TM8176

DATA SIZE BEGIN

D TM8174 1 187
 Information on (receipts/expenses) is especially important for this survey. If we were to call you back later could you provide us with an estimate?

U Persons who owned a second business but don't know amount of receipts/expenses

V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D TM8176 1 188
 Check item T7 for business one Is "sole proprietorship" marked in TM8018?

U Persons who owned a second business but don't know amount of receipts/expenses

V 0 .Not applicable
 V 1 .Yes- skip to TM8276
 V 2 .No

 * The next two fields are possible *
 * answers to the question: *
 * *
 * What was ...'s net income from this *
 * (business/practice) in 1991? *

D TM8252 6 189
 U Persons who owned and operated a second business

V -00001 .DK
 V -00002 .Refused - skip to TM8258
 V -00003 .None - skip to TM8258
 V 000000 .Not applicable
 V 1-100000 .Net income or loss -
 V .skip to TM8258

D TM8256 1 195
 This information is especially important for the purpose of this survey. If we were to call back later could you provide us with an estimate?

U Persons who owned and operated a second business

V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D TM8258 1 196
 Check item T8 for business Were any other household members part owners of this business?

U Persons who owned and operated a second business

V 0 .Not applicable
 V 1 .Yes
 V 2 .No - skip to TM8276

D TM8260 2 197
 Apart from the net income already reported for ..., did (other household owners) receive any net income in 1991 from this (business/practice)?

U Persons who owned and operated a second business with other household owners

V -1 .DK - skip to TM8276
 V 00 .Not applicable
 V 01 .Yes
 V 02 .No - skip to TM8276

DATA SIZE BEGIN

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

D TM8262 3 199
 Person number of first co-owner of business

U Persons who owned and operated a second business with other household owners who received income from business

V 000 .Not applicable
 V 101-999 .Person number

D TM8264 6 202
 Amount of net income or loss for business for first co-owner

U Persons who owned and operated a second business with other household owners who received income from business

V -00001 .DK
 V -00002 .Refused
 V -00003 .None
 V 000000 .Not applicable
 V 1-100000 .Dollars in income or loss

D TM8268 3 208
 Person number of second co-owner of business

U Persons who owned and operated a second business with other household owners who received income from business

V 000 .Not applicable
 V 101-999 .Person number

D TM8270 6 211
 Amount of net income or loss for business for second co-owner

U Persons who owned and operated a second business with other household owners who received income from business

V 000000 .Not applicable
 V 1-100000 .Dollars in income or loss
 V -00001 .DK
 V -00002 .Refused
 V -00003 .None

D TM8276 1 217
 Check item T10 Is the number of businesses marked in TM8006 three or more?

U Persons who owned and operated a second business with other household owners who received income from business

V 0 .Not applicable
 V 1 .Yes
 V 2 .No - skip to TM8282

 * The next two fields are possible *
 * answers to the question: *
 * *
 * What was ...'s net income from ...'s *
 * other businesses in 1991? *

SIPP 1991 WAVE 8 TOPICAL MODULE RESEARCH

DATA	SIZE	BEGIN
D TH8278	6	218
Amount of income or loss		
U Persons who owned and operated 3 or more businesses		
V	-00001	.DK
V	-00002	.Refused
V	-00003	.None
V	000000	.Not applicable
V	1-100000	.Dollars in income or loss
D TH9330	2	224
Does ... have an individual retirement account - an IRA - in ...'s own name?		
U Persons 15 years of age or over		
V	-1	.DK - skip to TH9358
V	00	.Not applicable
V	01	.Yes
V	02	.No - skip to TH9358
D TH9332	2	226
Did ... make any contributions to IRA accounts which applied to ...'s 1991 tax return?		
U Persons with IRA in own name		
V	-1	.DK - skip to TH9336
V	00	.Not applicable
V	01	.Yes
V	02	.No - skip to TH9336
D TH9334	5	228
How much were ...'s contributions to IRA accounts which applied to ...'s 1991 tax return?		
U Persons who made contributions to IRA accounts which applied to 1991 tax return		
V	-0002	.Refused
V	-0001	.DK
V	00000	.Not applicable
V	1-30000	.Dollars in contributions
D TH9336	2	233
Did ... make any withdrawals from ...'s IRA accounts during 1991?		
U Persons who made contributions to IRA accounts which applied to 1991 tax return		
V	-1	.DK - skip to TH9340
V	00	.Not applicable
V	01	.Yes
V	02	.No - skip to TH9340
D TH9338	5	235
How much did ... withdraw from IRA accounts during 1991?		
U Persons who made IRA withdrawals during 1991		
V	-0001	.DK
V	-0002	.Refused
V	00000	.Not applicable
V	1-30000	.Dollars in withdrawals
D TH9340	5	240
Including all IRA accounts in ...'s own name, how much did ...'s IRA accounts earn during 1991?		
U Persons who made IRA withdrawals during 1991		
V	-0001	.DK
V	-0002	.Refused
V	00000	.Not applicable
V	1-30000	.Dollars in earnings

DATA	SIZE	BEGIN

* The next eight fields are possible		
* responses to the question:		
* *		
* What types of assets did...have in		
* ...'s IRA accounts during 1991?		
* *		
* In the first seven cases the range		
* of answers is:		
* *		
* V	0	.Not marked as an asset
* V		.or not applicable
* V	1	.Marked as an asset

D TH9342	1	245
Certificates of deposit or other savings certificates		
U Persons with IRA in own name		
D TH9344	1	246
Money market funds		
U Persons with IRA in own name		
D TH9346	1	247
U.S. government securities		
U Persons with IRA in own name		
D TH9348	1	248
Municipal or corporate bonds		
U Persons with IRA in own name		
D TH9350	1	249
U.S. Savings Bonds		
U Persons with IRA in own name		
D TH9352	1	250
Stocks or mutual fund shares		
U Persons with IRA in own name		
D TH9354	1	251
Other assets		
U Persons with IRA in own name		
D TH9356	1	252
Don't know types of assets		
U Persons with IRA in own name		
	0	.Not applicable
V	1	.DK
D TH9358	2	253
Does ... have a KEOGH account in ...'s own name?		
U Persons 15 years of age or over		
V	-1	.DK - skip to TH9385
V	00	.Not applicable
V	01	.Yes
V	02	.No - skip to TH9385
D TH9360	2	255
Did ... make any contributions to a KEOGH account which applied to ...'s 1991 tax return?		
U Persons with KEOGH account in own name		
V	-1	.DK - skip to TH9364
V	00	.Not applicable
V	01	.Yes
V	02	.No - skip to TH9364

DATA SIZE BEGIN

D TH9362 5 257
 How much were ...'s contributions to
 KEOGH accounts which applied to ...'s
 1991 tax return?
 U Persons with KEOGH account in own name
 V -0001 .DK
 V -0002 .Refused
 V 00000 .Not applicable
 V 1-30000 .Dollars in contributions

D TH9364 2 262
 Did ... make any withdrawals from ...'s
 KEOGH accounts during 1991?
 U Persons with KEOGH account in own name
 V -1 .DK - skip to TH9368
 V 00 .Not applicable
 V 01 .Yes
 V 02 .No - skip to TH9368

D TH9366 5 264
 How much did ... withdraw from KEOGH
 accounts during 1991?
 U Persons who made withdrawals from KEOGH
 in 1991
 V -0001 .DK
 V -0002 .Refused
 V 00000 .Not applicable
 V 1-30000 .Dollars in withdrawals

D TH9368 5 269
 Including all KEOGH accounts in ...'s
 own name, how much did ...'s KEOGH
 accounts earn during 1991?
 U Persons with KEOGH account
 V -0001 .DK
 V -0002 .Refused
 V 00000 .Not applicable
 V 1-30000 .Dollars in earnings

 * The next eight fields are possible *
 * responses to the question: *
 * *
 * What types of assets did ... have in *
 * ...'s KEOGH accounts during 1991? *
 * *
 * In the first seven cases the range *
 * of answers is: *
 * *
 * V 0 .Not marked as an asset *
 * V .or not applicable *
 * V 1 .Marked as an asset *

D TH9370 1 274
 Certificates of deposit or other
 savings certificates
 U Persons with KEOGH account in own name

D TH9372 1 275
 Money market funds
 U Persons with KEOGH account in own name

D TH9374 1 276
 U.S. government securities
 U Persons with KEOGH account in own name

D TH9376 1 277
 Municipal or corporate bonds
 U Persons with KEOGH account in own name

D TH9378 1 278
 U.S. Savings Bonds
 U Persons with KEOGH account in own name

DATA SIZE BEGIN

D TH9380 1 279
 Stocks or mutual fund shares
 U Persons with KEOGH account in own name

D TH9382 1 280
 Other assets
 U Persons with KEOGH account in own name

D TH9384 1 281
 Don't know of other assets
 U Persons with KEOGH account in own name
 V 0 .Not applicable
 V 1 .DK

D TH9385 1 282
 Are the names of any employers listed for
 ... on the control card?
 U Persons 15 years of age or over
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No - skip to TH9390

D TH9386 2 283
 During 1991, did...participate in a
 salary reduction plan, sometimes called
 a 401K plan?
 U Persons with employer listed
 V -1 .DK - skip to TH9390
 V 00 .Not applicable
 V 01 .Yes
 V 02 .No - skip to TH9390

D TH9388 6 285
 How much did ... contribute to this plan
 during 1991?
 U Persons who participated in salary
 reduction plan
 V -00001 .DK
 V -00002 .Ref
 V -00003 .None
 V 000000 .Not applicable
 V 1-030000 .Total amount

D THEBCNT 3 291
 Number of items with data on
 this record
 U Persons 15 years of age or over

D FILLER 3 294
 Filler

 * Part B - Property and Income Taxes *

D TH9390 1 297
 Check item T12
 Was tax information for ... already been
 obtained in an interview for a spouse
 with whom ... filed a joint return?
 U Persons 15 years of age or over
 V 0 .Not applicable
 V 1 .Yes- skip to TH9486
 V 2 .No

D TH9392 1 298
 Did ... file a federal income tax
 return for 1991?
 U Persons for whom tax information has
 not been obtained
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No - skip to TH9486

SIPP 1991 WAVE 8 TOPICAL MODULE RESEARCH

DATA SIZE BEGIN

D TH9394 1 299
 Do you have a copy of the tax form
 or a worksheet that you could refer
 to for the next few questions?
 U Persons who filed federal tax return
 for 1991
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No

D TH9396 2 300
 What was ...'s filing status on ...'s
 1991 federal tax return? Did ... file
 as -
 U Persons who filed federal tax return
 for 1991
 V 00 .Not applicable
 V 01 .A single taxpayer?
 V 02 .Married, filing a joint return?
 V 03 .Married, filing separately?
 V 04 .Unmarried head of household?
 V 05 .Qualifying widow(er) with
 .dependent child?
 V 06 .Don't know

D TH9398 2 302
 What were the total number of exemp-
 tions claimed on ...'s tax return?
 U Persons who filed federal tax return
 for 1991
 V -1 .DK
 V 00 .Not applicable
 V 01 .1 exemption
 V 02 .2 exemptions
 V 03 .3-5 exemptions
 V 04 .6 or more exemptions

D TH9400 1 304
 Check item T13
 Number of current household members
 U All reference persons
 V 0 .Not applicable
 V 1 .One - skip to TH9414
 V 2 .Two or more

 * The next six fields are possible *
 * responses to the question: *
 * *
 * Beside ..., which persons in this *
 * household did ... claim as an exemption? *
 * *
 * In first five cases the range *
 * of answers is: *
 * *
 * V 000 .Not applicable *
 * V 101 - 999 .Person number *

D TH9402 3 305
 Person one
 U Households with 2 or more persons

D TH9404 3 308
 Person two
 U Households with 2 or more persons

DATA SIZE BEGIN

D TH9406 3 311
 Person three
 U Households with 2 or more persons

D TH9408 3 314
 Person four
 U Households with 2 or more persons

D TH9410 3 317
 Person five
 U Households with 2 or more persons

D TH9412 1 320
 U Households with 2 or more persons
 V 0 .Not applicable
 V 1 .None in the household beside ...
 V .has been claimed as an exemption

D TH9414 1 321
 Did ... claim exemptions for any
 dependents that lived outside of
 ...'s home for the entire year?
 U Persons who filed federal tax return
 for 1991 and claimed exemptions
 V 0 .Not applicable
 V 1 .Yes
 V 2 .No - skip to TH9420

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

D TH9416 1 322
 First dependent
 U Persons who filed federal tax return
 for 1991 and claimed exemptions for persons
 who lived outside of household

D TH9418 1 323
 Second dependent
 U Persons who filed federal tax return
 for 1991 and claimed exemptions for persons
 who lived outside of household

D TH9420 2 324
 Did ... file form 1040, the long form
 or did ... file one of the short forms
 1040A or 1040EZ?
 U Persons who filed federal tax return
 for 1991
 V -1 .DK - skip to TH9428
 V 00 .Not applicable
 V 01 .Form 1040
 V 02 .Form 1040A - skip to TH9428
 V 03 .Form 1040EZ - skip to TH9428


```

DATA      SIZE BEGIN
*****
* The next three fields are possible *
* responses to the question:         *
*                                     *
* Is there any attached form on ...'s 1991 *
* tax return                          *
*                                     *
* In each case the range of answers is: *
*                                     *
* V      -1 .DK                        *
* V      00 .Not applicable            *
* V      01 .Yes                       *
* V      02 .No                        *
*****
D TM9422   2   326
  Schedule A - Itemized deductions
U Persons who filed Form 1040

D TM9424   2   328
  Schedule D - Capital gains and losses
U Persons who filed Form 1040

D TM9428   1   330
  Check item T14
  Does the respondent have a copy of
  ...'s federal income tax form or a
  worksheet to refer to?
U Persons who filed tax form for 1991
V      0 .Not applicable
V      1 .Yes
V      2 .No - skip to TM9472

D TM9430   1   331
  Check item T15
  Is "Form 1040" marked in item 7?
U Persons who have copy of tax return filed
in 1991
V      0 .Not applicable
V      1 .Yes
V      2 .No - skip to TM9462

D TM9432   1   332
  Check item T16
  Is "Schedule A, itemized deductions"
  marked "yes" in TM9446?
U Persons who filed Form 1040
V      0 .Not applicable
V      1 .Yes
V      2 .No - skip to TM9438

D TM9434   6   333
  How much were ...'s (and ...'s
  husband's/wife's) itemized deduc-
  tions for 1991?
U Persons who filed Schedule A
V      -00001 .DK
V      -00002 .Ref
V      000001 .1 - 2999
V      000002 .3000 - 3999
V      000003 .4000 - 4999
V      000004 .5000 - 5999
V      000005 .6000 - 6999
V      000006 .7000 - 7999
V      000007 .8000 - 8999
V      000008 .9000 - 9999
V      000009 .10000 - 10999
V      000010 .11000 - 11999
V      000011 .12000 - 12999
V      000012 .13000 - 13999
V      000013 .14000 - 16999
V      000014 .17000 - 21999
V      000015 .22000+

```

```

DATA      SIZE BEGIN
D TM9446   1   339
  On ...'s Form 1040, did ... (and ...'s
  husband/wife)claim a child and
  dependent care expense credit
U Persons who filed Form 1040
V      0 .Not applicable
V      1 .Yes
V      2 .No

D TM9448   6   340
  What was the amount claimed for
  a child and dependent care
U Persons who claimed child and dependent
care expense credit
V      -00001 .DK
V      -00002 .Ref
V      000001 .1-49
V      000002 .50-99
V      000003 .100-149
V      000004 .150-199
V      000005 .200-249
V      000006 .250-299
V      000007 .300-349
V      000008 .350-399
V      000009 .400-449
V      000010 .450-499
V      000011 .500-599
V      000012 .600-699
V      000013 .700-799
V      000014 .800+

D TM9450   1   346
  On ...'s Form 1040, did ... (and ...'s
  husband/wife)claim a credit for
  the elderly and the permanently
  and totally disabled
U Persons who filed Form 1040
V      0 .Not applicable
V      1 .Yes
V      2 .No

D TM9452   5   347
  What was the amount claimed as a
  credit for the elderly and the
  permanently and totoally disabled
U Persons who claimed child and dependent
care expense credit
V      -0001 .DK
V      -0002 .Ref
V      00001 .1-99
V      00002 .100-499
V      00003 .500+

D TM9458   1   352
  Check item T17
  Is "Schedule D, capital gains and
  losses" marked "yes" in item TM9424
U Persons who filed Form 1040
V      0 .Not applicable
V      1 .Yes
V      2 .No - skip to TM9462

D TM9460   6   353
  How much were ...'s (and ...'s husband
  /wife's) capital gains or losses
  from the sale or exchange of
  personal assets for 1991?
U Persons who filed Schedule D
V      -00001 .DK
V      -00002 .Ref
V      -00003 .None
V      000000 .Not applicable
V      000001 .1-99
V      000002 .100-199

```

SIPP 1991 WAVE 8 TOPICAL MODULE RESEARCH

DATA	SIZE	BEGIN
V	000003	.200-299
V	000004	.300-499
V	000005	.500-699
V	000006	.700-999
V	000007	.1000-1299
V	000008	.1300-1999
V	000009	.2000-2999
V	000010	.3000-3999
V	000011	.4000-5999
V	000012	.6000-9999
V	000013	.10000-14999
V	000014	.15000+
V	000015	.-4 or less
D TH9462 6 359		
Adjusted gross income is total income less certain types of adjustments and exclusions. What was ...'s (and ...'s husband's/wife's) adjusted gross income in 1991?		
Topcode at \$75,000, Bottomcode at -\$75,000		
U Person who filed tax return		
V	-00003	.None
V	-00002	.Ref
V	000001	.Dk
V	000000	.Not applicable
V	000001	.[1-999]
V	000002	.[1000-1199]
V	000003	.[1200-1399]
V	000004	.[1400-1599]
V	000005	.[1600-1799]
V	000006	.[1800-1999]
V	000007	.[2000-2199]
V	000008	.[2200-2399]
V	000009	.[2400-2599]
V	000010	.[2600-2799]
V	000011	.[2800-2999]
V	000012	.[3000-3499]
V	000013	.[3500-3999]
V	000014	.[4000-4499]
V	000015	.[4500-4999]
V	000016	.[5000-5499]
V	000017	.[5500-5999]
V	000018	.[6000-6499]
V	000019	.[6500-6999]
V	000020	.[7000-7499]
V	000021	.[7500-7999]
V	000022	.[8000-9999]
V	000023	.[10000-14999]
V	000024	.[15000-19999]
V	000025	.[20000-24999]
V	000026	.[25000-29999]
V	000027	.[30000-34999]
V	000028	.[35000-39999]
V	000029	.[40000-49999]
V	000030	.[50000-59999]
V	000031	.[60000-69999]
V	000032	.[70000-74999]
V	000033	.[75000+]
V	000034	.[-4 or less]
D TH9464 6 365		
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?		
Topcode at \$14,000		
U Persons who filed tax return		
V	-00003	.None
V	-00002	.Ref
V	-00001	.Dk

DATA	SIZE	BEGIN
V	000000	.Not applicable
V	000001	.[1-49]
V	000002	.[50-99]
V	000003	.[100-149]
V	000004	.[150-199]
V	000005	.[200-299]
V	000006	.[300-399]
V	000007	.[400-499]
V	000008	.[500-599]
V	000009	.[600-699]
V	000010	.[700-799]
V	000011	.[800-899]
V	000012	.[900-999]
V	000013	.[1000-1199]
V	000014	.[1200-1399]
V	000015	.[1400-1599]
V	000016	.[1600-1799]
V	000017	.[1800-1999]
V	000018	.[2000-2199]
V	000019	.[2200-2399]
V	000020	.[2400-2599]
V	000021	.[2600-2799]
V	000022	.[2800-2999]
V	000023	.[3000-3499]
V	000024	.[3500-3999]
V	000025	.[4000-4499]
V	000026	.[4500-4999]
V	000027	.[5000-5499]
V	000028	.[5500-5999]
V	000029	.[6000-6499]
V	000030	.[6500-6999]
V	000031	.[7000-7499]
V	000032	.[7500-7999]
V	000033	.[8000-9999]
V	000034	.[10000-13999]
V	000035	.[14000 +]
D TH9466 1 371		
Check item T18		
Amount of adjusted gross income reported in TH8462		
U Persons who filed tax return		
V	0	.Not applicable
V	1	.\$22,370 or more
V	2	.Less than \$22,370
D TH9472 2 372		
Did ... claim an earned income credit on ...'s federal income tax return?		
U Persons who filed tax return		
V	-1	.DK - skip to TH9486
V	00	.Not applicable
V	01	.Yes
V	02	.No - skip to TH9486
D TH9474 6 374		
What was the amount of earned income credit claimed?		
U Persons who claimed earned income credit		
V	-00001	.DK
V	-00002	.Refused
V	000000	.Not applicable
V	1-999999	.Dollars in credit claimed
D TH9486 1 380		
Check item T19		
Are ...'s living quarters -		
U Persons 15 years of age or over		
V	0	.Not applicable
V	1	.Owned or being bought?
V	2	.Rented for cash? - skip to TH9610
V	3	.Occupied without cash payment? - skip to TH9610

DATA SIZE BEGIN

D TH9488 1 381
 Check item T20
 Interview status of ...'s spouse

U Persons with living quarters owned or
 being bought

V 0 .Not applicable
 V 1 .No spouse in household
 V 2 .Interview for spouse not yet
 .conducted
 V 3 .Interview for spouse already
 .conducted - skip to TH9610

D TH9490 1 382
 Did ... pay any property taxes on ...'s
 residence(s) in 1991?

U Persons with living quarters owned or
 being bought

V 0 .Not applicable
 V 1 .Yes
 V 2 .No - skip to TH9610

D TH9492 1 383
 Did ... pay these jointly with some-
 else living here?

U Persons who paid property taxes in 1991

V 0 .Not applicable
 V 1 .Yes
 V 2 .No - skip to TH9498

* The next two fields are possible *

* responses to the question: *

* *

* Who made these joint payments *

* with...? *

* In each case the range of answers *

* is: *

* V 000 .Not applicable *

* V 101-999 .Person number *

D TH9494 3 384
 Person one

U Persons who made joint payments on
 property taxes in 1991

DATA SIZE BEGIN

D TH9496 3 387
 Person two

U Persons who made joint payments on
 property taxes in 1991

D TH9498 6 390
 What was the property tax bill for
 ...'s residence(s) in 1991?

U Persons who made joint payments on
 property taxes in 1991

V -00001 .DK
 V -00002 .Ref
 V 000000 .Not applicable
 V 000001 .Amount under \$100
 V 000002 .Amount from \$100-\$199
 V 000003 .Amount from \$200-\$299
 V 000004 .Amount from \$300-\$399
 V 000005 .Amount from \$400-\$499
 V 000006 .Amount from \$500-\$599
 V 000007 .Amount from \$600-\$699
 V 000008 .Amount from \$700-\$799
 V 000009 .Amount from \$800-\$899
 V 000010 .Amount from \$900-\$999
 V 000011 .Amount from \$1000-\$1099
 V 000012 .Amount from \$1111-\$1199
 V 000013 .Amount from \$1200-\$1299
 V 000014 .Amount from \$1300-\$1499
 V 000015 .Amount from \$1400-\$1799
 V 000016 .Amount from \$1800-\$2099
 V 000017 .Amount from \$2100 or more

D THPICNT 2 396
 Number of items with data on
 this record

D FILLER 3 398
 Filler

**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

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

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

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

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

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

if Pareto Interpolation is indicated and

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

if linear interpolation is indicated, where

- N is the size of the group,
 A₁ and A₂ are the lower and upper bounds, respectively, of the interval in which X_{PN} falls,
 N₁ and N₂ are the estimated number of group members owning more than A₁ and A₂, 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, A₁ = \$2,000, A₂ = \$2,500, N₁ = 22,106,000, and N₂ = 16,307,000.

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

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

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

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

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																					
		<u>4th Quarter (1990)</u>			<u>1st Quarter (1991)</u>			<u>2nd Quarter (1991)</u>			<u>3rd Quarter (1991)</u>			<u>4th Quarter (1991)</u>			...	<u>2nd Quarter (1993)</u>			<u>3rd Quarter (1993)</u>		
		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																								
		4th Quarter (1989)			1st Quarter (1990)			2nd Quarter (1990)			3rd Quarter (1990)			4th Quarter (1990)			...	2nd Quarter (1992)			3rd Quarter (1992)					
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Apr	May	Jun	Jul	Aug	Sep			
Feb 90	1/2	X	X	X	X																					
Mar	1/3		X	X	X	X																				
Apr	1/4			X	X	X	X																			
May	1/1				X	X	X	X																		
Jun	2/2					X	X	X	X																	
Jul	2/3						X	X	X	X																
Aug	2/4							X	X	X	X															
Sept	2/1								X	X	X	X														
Oct	3/2									X	X	X	X													
Nov	3/3										X	X	X	X												
Dec	3/4											X	X	X	X											
.														.	.	.										
.														.	.	.										
.														.	.	.										
Sept 92	8/1																						X	X	X	X

Table 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

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

- indicates no metropolitan subsample is identified for the state

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

Characteristics ¹	Parameters		
	a	b	f
PERSONS			
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 Plan² (4)			
Both Sexes	-0.0000744	13,761	0.71
Male	-0.0001556	13,761	
Female	-0.0001425	13,761	
All Others² (6)			
Both Sexes	-0.0001134	27,327	1.00
Male	-0.0002334	27,327	
Female	-0.0002203	27,327	
Black			
Poverty (1)			
Both Sexes	-0.0006397	18,800	0.83
Male	-0.0013668	18,800	
Female	-0.0012028	18,800	
All Others (2)			
Both Sexes	-0.0003441	10,110	0.61
Male	-0.0007350	10,110	
Female	-0.0006468	10,110	
HOUSEHOLDS			
Total or White	-0.0001005	9,286	1.00
Black	-0.0006115	6,416	0.83

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

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

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

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

<u># of available rotation months¹</u>	<u>factor</u>
Monthly estimate	
1	4.0000
2	2.0000
3	1.3333
4	1.0000
Quarterly estimate	
6	1.8519
8	1.4074
9	1.2222
10	1.0494
11	1.0370
12	1.0000

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

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

Size of Estimate	Standard Error	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

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

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

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

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

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

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

1

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

Table 11. Standard Errors of Estimated Percentages of Persons

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

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

Table 12. 1991 Topical Module Generalized Variance Parameters¹

	a	b
Fertility		
# Women	-0.0000748	6,119
Births	-0.0000670	11,158
Educational Attainment²		
Wave 2	-0.0000457	8,335
Wave 5	-0.0000511	9,085
Wave 8	-0.0000511	9,085
Marital Status and Person's Family Characteristics		
Some HH members	-0.0000644	12,613
All HH members	-0.0000804	15,326
Child Support		
Wave 3	-0.0000883	9,286
Support for non-household members		
Wave 3	-0.0000961	9,286
Health and Disability	-0.0000499	12,014
0-15 Child Care		
Wave 3	-0.0001340	7,514
Welfare History and AFDC		
Both sexes 18+	-0.0001241	22,040
Males 18+	-0.0002604	22,040
Females 18+	-0.0002372	22,040

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

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

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

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

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

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

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

Waves to be Combined

<u>1990 panel</u>	<u>1991 panel</u>	<u>g factor²</u>
5	2	0.4163
6	3	0.4163
7	4	0.4163
8	5	0.3943

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

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

<u># of available rotation months for 2 panels combined²</u>	<u>factor</u>
Monthly Estimate	
2	4.0000
3	3.0000
4	2.0000
5	1.6667
6	1.3333
7	1.1667
8	1.0000
Quarterly Estimates	
12	1.8519
15	1.5631
18	1.2222
19	1.1470
24	1.0000
Annual Estimates	
96	1.0000

¹ Estimates are based on monthly averages.

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

APPENDIX A-1

Income Source Code List

Code Income Sources

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

SIPP FILES

Code Asset List

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

Code Special Indicators

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

APPENDIX A-2

Income Sources Included in Monthly Cash Income

Earnings from Employment

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

Income from Assets (Property Income)

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

Other Income Sources

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

1990 Census of Population Occupation Classification System

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

1990
Census
code

Occupation category

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

Executive, Administrative, and Managerial Occupations

003	Legislators (111)
004	Chief executives and general administrators, public administration (112)
005	Administrators and officials, public administration (1132-1139)
006	Administrators, protective services (1131)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Postmasters and mail superintendents (1344)
017	Managers, food serving and lodging establishments (1351)
018	Managers, properties and real estate (1353)
019	Funeral directors (pt 1359)
021	Managers, service organizations, n.e.c. (127, 1352, 1354, pt 1359)
022	Managers and administrators, n.e.c. (121, 126, 132-1343, 136-139)

Management Related Occupations

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

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

043	Engineers, Architects, and Surveyors Architects (161)
	Engineers
044	Aerospace (1622)
045	Metallurgical and materials (1623)
046	Mining (1624)
047	Petroleum (1625)
048	Chemical (1626)
049	Nuclear (1627)
053	Civil (1628)
054	Agricultural (1632)
055	Electrical and electronic (1633, 1636)
056	Industrial (1634)
057	Mechanical (1635)
058	Marine and naval architects (1637)
059	Engineers, n.e.c. (1639)
063	Surveyors and mapping scientists (164)
	Mathematical and Computer Scientists
064	Computer systems analysts and scientists (171)
065	Operations and systems researchers and analysts (172)
066	Actuaries (1732)
067	Statisticians (1733)
068	Mathematical scientists, n.e.c. (1739)
	Natural Scientists
069	Physicists and astronomers (1842, 1843)
073	Chemists, except biochemists (1845)
074	Atmospheric and space scientists (1846)
075	Geologists and geodesists (1847)
076	Physical scientists, n.e.c. (1849)
077	Agricultural and food scientists (1853)
078	Biological and life scientists (1854)
079	Forestry and conservation scientists (1852)
083	Medical scientists (1855)
	Health Diagnosing Occupations
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089	Health diagnosing practitioners, n.e.c. (289)
	Health Assessment and Treating Occupations
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
	Therapists
098	Respiratory therapists (3031)
099	Occupational therapists (3032)
103	Physical therapists (3033)

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

104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106	Physicians' assistants (304)
	Teachers, Postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)
137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
	Teachers, Except Postsecondary
155	Teachers, prekindergarten and kindergarten (231)
156	Teachers, elementary school (232)
157	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
163	Counselors, educational and vocational (24)
	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
	Social Scientists and Urban Planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
173	Urban planners (192)

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS—Con.**Professional Specialty Occupations—Con.****Social, Recreation, and Religious Workers**

- 174 Social workers (2032)
- 175 Recreation workers (2033)
- 176 Clergy (2042)
- 177 Religious workers, n.e.c. (2049)

Lawyers and Judges

- 178 Lawyers (211)
- 179 Judges (212)

Writers, Artists, Entertainers, and Athletes

- 183 Authors (321)
- 184 Technical writers (398)
- 185 Designers (322)
- 186 Musicians and composers (323)
- 187 Actors and directors (324)
- 188 Painters, sculptors, craft-artists, and artist printmakers (325)
- 189 Photographers (326)
- 193 Dancers (327)
- 194 Artists, performers, and related workers, n.e.c. (328, 329)
- 195 Editors and reporters (331)
- 197 Public relations specialists (332)
- 198 Announcers (333)
- 199 Athletes (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS**Technicians and Related Support Occupations****Health Technologists and Technicians**

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

Technologists and Technicians, Except Health**Engineering and Related Technologists and Technicians**

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

Science Technicians

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

Technicians; Except Health, Engineering, and Science

- 226 Airplane pilots and navigators (825)
- 227 Air traffic controllers (392)

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

228	Broadcast equipment operators (393)
229	Computer programmers (3971, 3972)
233	Tool programmers, numerical control (3974)
234	Legal assistants (396)
235	Technicians, n.e.c. (399)

Sales Occupations

243	Supervisors and proprietors, sales occupations (40)
-----	---

Sales Representatives, Finance and Business Services

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

Sales Representatives, Commodities Except Retail

258	Sales engineers (421)
259	Sales representatives, mining, manufacturing, and wholesale (423, 424)

Sales Workers, Retail and Personal Services

263	Sales workers, motor vehicles and boats (4342, 4344)
264	Sales workers, apparel (4346)
265	Sales workers, shoes (4351)
266	Sales workers, furniture and home furnishings (4348)
267	Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
268	Sales workers, hardware and building supplies (4353)
269	Sales workers, parts (4367)
274	Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
275	Sales counter clerks (4363)
276	Cashiers (4364)
277	Street and door-to-door sales workers (4366)
278	News vendors (4365)

Sales Related Occupations

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

Administrative Support Occupations, Including Clerical**Supervisors, Administrative Support Occupations**

303	Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
304	Supervisors, computer equipment operators (4512)
305	Supervisors, financial records processing (4521)
306	Chief communications operators (4523)
307	Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)

Computer Equipment Operators

308	Computer operators (4612)
309	Peripheral equipment operators (4613)

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

- 313 Secretaries (4622)
- 314 Stenographers (4623)
- 315 Typists (4624)

Information Clerks

- 316 Interviewers (4642)
- 317 Hotel clerks (4643)
- 318 Transportation ticket and reservation agents (4644)
- 319 Receptionists (4645)
- 323 Information clerks, n.e.c. (4649)

Records Processing Occupations, Except Financial

- 325 Classified-ad clerks (4662)
- 326 Correspondence clerks (4663)
- 327 Order clerks (4664)
- 328 Personnel clerks, except payroll and timekeeping (4692)
- 329 Library clerks (4694)
- 335 File clerks (4696)
- 336 Records clerks (4699)

Financial Records Processing Occupations

- 337 Bookkeepers, accounting, and auditing clerks (4712)
- 338 Payroll and timekeeping clerks (4713)
- 339 Billing clerks (4715)
- 343 Cost and rate clerks (4716)
- 344 Billing, posting, and calculating machine operators (4718)

Duplicating, Mail and Other Office Machine Operators

- 345 Duplicating machine operators (4722)
- 346 Mail preparing and paper handling machine operators (4723)
- 347 Office machine operators, n.e.c. (4729)

Communications Equipment Operators

- 348 Telephone operators (4732)
- 353 Communications equipment operators, n.e.c. (4733, 4739)

Mail and Message Distributing Occupations

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

Material Recording, Scheduling, and Distributing Clerks

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

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

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

Miscellaneous Administrative Support Occupations

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

SERVICE OCCUPATIONS**Private Household Occupations**

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

Protective Service Occupations**Supervisors, Protective Service Occupations**

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

Firefighting and Fire Prevention Occupations

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

Police and Detectives

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

Guards

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

Service Occupations, Except Protective and Household**Food Preparation and Service Occupations**

- 433 Supervisors, food preparation and service occupations (5211)
- 434 Bartenders (5212)
- 435 Waiters and waitresses (5213)
- 436 Cooks (5214, 5215)
- 438 Food counter, fountain and related occupations (5216)
- 439 Kitchen workers, food preparation (5217)

SERVICE OCCUPATIONS—Con.**Service Occupations, Except Protective and Household—Con.**

443	Walters'/waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)
	Health Service Occupations
445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
	Cleaning and Building Service Occupations, except Household
448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
453	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)
	Personal Service Occupations
456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
461	Guides (5255)
462	Ushers (5256)
463	Public transportation attendants (5257)
464	Baggage porters and bellhops (5262)
465	Welfare service aides (5263)
466	Family child care providers (pt 5264)
467	Early childhood teacher's assistants (pt 5264)
468	Child care workers, n.e.c. (pt 5264)
469	Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS**Farm Operators and Managers**

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

Other Agricultural and Related Occupations**Farm Occupations, Except Managerial**

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

Related Agricultural Occupations

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

FARMING, FORESTRY, AND FISHING OCCUPATIONS—Con.**Forestry and Logging Occupations**

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

Fishers, Hunters, and Trappers

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

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS**Mechanics and Repairers**

- 503 Supervisors, mechanics and repairers (60)

Mechanics and Repairers, Except Supervisors**Vehicle and Mobile Equipment Mechanics and Repairers**

- 505 Automobile mechanics (pt 6111)
- 506 Automobile mechanic apprentices (pt 6111)
- 507 Bus, truck, and stationary engine mechanics (6112)
- 508 Aircraft engine mechanics (6113)
- 509 Small engine repairers (6114)
- 514 Automobile body and related repairers (6115)
- 515 Aircraft mechanics, exc. engine (6116)
- 516 Heavy equipment mechanics (6117)
- 517 Farm equipment mechanics (6118)
- 518 Industrial machinery repairers (613)
- 519 Machinery maintenance occupations (614)

Electrical and Electronic Equipment Repairers

- 523 Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
- 525 Data processing equipment repairers (6154)
- 526 Household appliance and power tool repairers (6156)
- 527 Telephone line installers and repairers (6157)
- 529 Telephone installers and repairers (6158)
- 533 Miscellaneous electrical and electronic equipment repairers (6152, 6159)
- 534 Heating, air conditioning, and refrigeration mechanics (616)

Miscellaneous Mechanics and Repairers

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

Construction Trades**Supervisors, Construction Occupations**

- 553 Supervisors; brickmasons, stonemasons, and tile setters (6312)
- 554 Supervisors, carpenters and related workers (6313)
- 555 Supervisors, electricians and power transmission installers (6314)
- 556 Supervisors; painters, paperhangers, and plasterers (6315)

**PRECISION PRODUCTION, CRAFT, AND
REPAIR OCCUPATIONS—Con.**

- 557 Supervisors; plumbers, pipefitters, and steamfitters (6316)
558 Supervisors, construction n.e.c. (6311, 6318)
- Construction Trades, Except Supervisors**
- 563 Brickmasons and stonemasons (pt 6412, pt 6413)
564 Brickmason and stonemason apprentices (pt 6412, pt 6413)
565 Tile setters, hard and soft (pt 6414, pt 6462)
566 Carpet installers (pt 6462)
567 Carpenters (pt 6422)
569 Carpenter apprentices (pt 6422)
573 Drywall installers (6424)
575 Electricians (pt 6432)
576 Electrician apprentices (pt 6432)
577 Electrical power installers and repairers (6433)
579 Painters, construction and maintenance (6442)
583 Paperhangers (6443)
584 Plasterers (6444)
585 Plumbers, pipefitters, and steamfitters (pt 645)
587 Plumber, pipefitter, and steamfitter apprentices (pt 645)
588 Concrete and terrazzo finishers (6463)
589 Glaziers (6464)
593 Insulation workers (6465)
594 Paving, surfacing, and tamping equipment operators (6466)
595 Roofers (6468)
596 Sheetmetal duct installers (6472)
597 Structural metal workers (6473)
598 Drillers, earth (6474)
599 Construction trades, n.e.c. (6467, 6475, 6476, 6479)
- Extractive Occupations**
- 613 Supervisors, extractive occupations (632)
614 Drillers, oil well (652)
615 Explosives workers (653)
616 Mining machine operators (654)
617 Mining occupations, n.e.c. (656)
- Precision Production Occupations**
- 628 Supervisors, production occupations (67, 71)
- Precision Metal Working Occupations**
- 634 Tool and die makers (pt 6811)
635 Tool and die maker apprentices (pt 6811)
636 Precision assemblers, metal (6812)
637 Machinists (pt 6813)
639 Machinist apprentices (pt 6813)
643 Boilermakers (6814)
644 Precision grinders, filers, and tool sharpeners (6816)
645 Patternmakers and model makers, metal (6817)
646 Lay-out workers (6821)
647 Precious stones and metals workers (Jewelers) (6822, 6866)
649 Engravers, metal (6823)
653 Sheet metal workers (pt 6824)
654 Sheet metal worker apprentices (pt 6824)

**PRECISION PRODUCTION, CRAFT, AND
REPAIR OCCUPATIONS—Con.**

- 655 Miscellaneous precision metal workers (6829)
- Precision Woodworking Occupations**
- 656 Patternmakers and model makers, wood (6831)
657 Cabinet makers and bench carpenters (6832)
658 Furniture and wood finishers (6835)
659 Miscellaneous precision woodworkers (6839)
- Precision Textile, Apparel, and Furnishings Machine Workers**
- 666 Dressmakers (pt 6852, pt 7752)
667 Tailors (pt 6852)
668 Upholsterers (6853)
669 Shoe repairers (6854)
674 Miscellaneous precision apparel and fabric workers (6856, 6859, pt 7752)
- Precision Workers, Assorted Materials**
- 675 Hand molders and shapers, except jewelers (6861)
676 Patternmakers, lay-out workers, and cutters (6862)
677 Optical goods workers (6864, pt 7477, pt 7677)
678 Dental laboratory and medical appliance technicians (6865)
679 Bookbinders (6844)
683 Electrical and electronic equipment assemblers (6867)
684 Miscellaneous precision workers, n.e.c. (6869)
-
- Precision Food Production Occupations**
- 686 Butchers and meat cutters (6871)
687 Bakers (6872)
688 Food batchmakers (6873, 6879)
- Precision Inspectors, Testers, and Related Workers**
- 689 Inspectors, testers, and graders (6881, 828)
693 Adjusters and calibrators (6882)
- Plant and System Operators**
- 694 Water and sewage treatment plant operators (691)
695 Power plant operators (pt 693)
696 Stationary engineers (pt 693, 7668)
699 Miscellaneous plant and system operators (692, 694, 695, 696)
- OPERATORS, FABRICATORS, AND LABORERS**
- Machine Operators, Assemblers, and Inspectors**
- Machine Operators and Tenders, Except Precision**
- Metalworking and Plastic Working Machine Operators**
- 703 Lathe and turning machine set-up operators (7312)
704 Lathe and turning machine operators (7512)
705 Milling and planing machine operators (7313, 7513)
706 Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707 Rolling machine operators (7316, 7516)
708 Drilling and boring machine operators (7318, 7518)
709 Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713 Forging machine operators (7319, 7519)

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

714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717	Fabricating machine operators, n.e.c. (7339, 7539)
	Metal and Plastic Processing Machine Operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
	Woodworking Machine Operators
726	Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nailing and tacking machine operators (7636)
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
	Printing Machine Operators
734	Printing press operators (7443, 7643)
735	Photoengravers and lithographers (6842, 7444, 7644)
736	Typesetters and compositors (6841, 7642)
737	Miscellaneous printing machine operators (6849, 7449, 7649)
	Textile, Apparel, and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745	Shoe machine operators (7656)
747	Pressing machine operators (7657)
748	Laundering and dry cleaning machine operators (6855, 7658)
749	Miscellaneous textile machine operators (7459, 7659)
	Machine Operators, Assorted Materials
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (7462, 7662)
755	Extruding and forming machine operators (7463, 7663)
756	Mixing and blending machine operators (7664)
757	Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758	Compressing and compacting machine operators (7467, 7667)
759	Painting and paint spraying machine operators (7669)
763	Roasting and baking machine operators, food (7472, 7672)
764	Washing, cleaning, and pickling machine operators (7673)
765	Folding machine operators (7474, 7674)
766	Furnace, kiln, and oven operators, exc. food (7675)
768	Crushing and grinding machine operators (pt 7477, pt 7677)
769	Slicing and cutting machine operators (7478, 7678)
773	Motion picture projectionists (pt 7479)
774	Photographic process machine operators (6863, 6868, 7671)
777	Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
779	Machine operators, not specified

OPERATORS, FABRICATORS, AND LABORERS—Con.**Machine Operators, Assemblers, and Inspectors—Con.****Fabricators, Assemblers, and Hand Working Occupations**

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

Production Inspectors, Testers, Samplers, and Weighers

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

Transportation and Material Moving Occupations**Motor Vehicle Operators**

803	Supervisors, motor vehicle operators (8111)
804	Truck drivers (8212-8214)
806	Driver-sales workers (8218)
808	Bus drivers (8215)
809	Taxicab drivers and chauffeurs (8216)
813	Parking lot attendants (874)
814	Motor transportation occupations, n.e.c. (8219)

Transportation Occupations, Except Motor Vehicles**Rail Transportation Occupations**

823	Railroad conductors and yardmasters (8113)
824	Locomotive operating occupations (8232)
825	Railroad brake, signal, and switch operators (8233)
826	Rail vehicle operators, n.e.c. (8239)

Water Transportation Occupations

828	Ship captains and mates, except fishing boats (pt 8241, 8242)
829	Sailors and deckhands (8243)
833	Marine engineers (8244)
834	Bridge, lock, and lighthouse tenders (8245)

Material Moving Equipment Operators

843	Supervisors, material moving equipment operators (812)
844	Operating engineers (8312)
845	Longshore equipment operators (8313)
848	Hoist and winch operators (8314)
849	Crane and tower operators (8315)
853	Excavating and loading machine operators (8316)
855	Grader, dozer, and scraper operators (8317)
856	Industrial truck and tractor equipment operators (8318)
859	Miscellaneous material moving equipment operators (8319)

SIPP FILES

OPERATORS, FABRICATORS, AND LABORERS—Con.

Handlers, Equipment Cleaners, Helpers, and Laborers

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

Helpers, Construction and Extractive Occupations

866 Helpers, construction trades (8641-8645, 8648)
867 Helpers, surveyor (8646)
868 Helpers, extractive occupations (865)
869 Construction laborers (871)
874 Production helpers (861, 862)

Freight, Stock, and Material Handlers

875 Garbage collectors (8722)
876 Stevedores (8723)
877 Stock handlers and baggers (8724)
878 Machine feeders and offbearers (8725)
883 Freight, stock, and material handlers, n.e.c. (8726)
885 Garage and service station related occupations (873)
887 Vehicle washers and equipment cleaners (875)
888 Hand packers and packagers (8761)
889 Laborers, except construction (8769)

MILITARY OCCUPATIONS

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

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION

909 Last worked 1984 or earlier

APPENDIX A-5

1990 Census of Population Industry Classification System

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

1990
Census
code

Industry category

AGRICULTURE, FORESTRY, AND FISHERIES

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

MINING

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

060 CONSTRUCTION (15, 16, 17)

MANUFACTURING

Nondurable Goods

Food and kindred products

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

Textile mill products

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

SIPP FILES

MANUFACTURING—Con.

Nondurable Goods—Con.

	Apparel and other finished textile products
151	Apparel and accessories, except knit (231-238)
152	Miscellaneous fabricated textile products (239)
	Paper and allied products
160	Pulp, paper, and paperboard mills (261-263)
161	Miscellaneous paper and pulp products (267)
162	Paperboard containers and boxes (265)
	Printing, publishing, and allied industries
171	Newspaper publishing and printing (271)
172	Printing, publishing, and allied industries, except newspapers (272-279)
	Chemicals and allied products
180	Plastics, synthetics, and resins (282)
181	Drugs (283)
182	Soaps and cosmetics (284)
190	Paints, varnishes, and related products (285)
191	Agricultural chemicals (287)
192	Industrial and miscellaneous chemicals (281, 286, 289)
	Petroleum and coal products
200	Petroleum refining (291)
201	Miscellaneous petroleum and coal products (295, 299)
	Rubber and miscellaneous plastics products
210	Tires and inner tubes (301)
211	Other rubber products, and plastics footwear and belting (302-306)
212	Miscellaneous plastics products (308)
	Leather and leather products
220	Leather tanning and finishing (311)
221	Footwear, except rubber and plastic (313, 314)
222	Leather products, except footwear (315-317, 319)
	Durable Goods
	Lumber and wood products, except furniture
230	Logging (241)
231	Sawmills, planing mills, and millwork (242, 243)
232	Wood buildings and mobile homes (245)
241	Miscellaneous wood products (244, 249)
242	Furniture and fixtures (25)
	Stone, clay, glass, and concrete products
250	Glass and glass products (321-323)
251	Cement, concrete, gypsum, and plaster products (324,327)
252	Structural clay products (325)
261	Pottery and related products (326)
262	Miscellaneous nonmetallic mineral and stone products (328, 329)

MANUFACTURING—Con.**Durable Goods—Con.****Metal Industries**

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

Machinery and computing equipment

310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
320	Metalworking machinery (354)
321	Office and accounting machines (3578, 3579)
322	Computers and related equipment (3571-3577)
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery

Electrical machinery, equipment, and supplies

340	Household appliances (363)
341	Radio, TV, and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
350	Not specified electrical machinery, equipment, and supplies

Transportation equipment

351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
370	Cycles and miscellaneous transportation equipment (375, 379)

Professional and photographic equipment, and watches

371	Scientific and controlling instruments (381, 382 exc. 3827)
372	Medical, dental, and optical instruments and supplies (3827, 384, 385)
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 exc. 394)
392	Not specified manufacturing industries

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

400	Railroads (40)
401	Bus service and urban transit (41, except 412)
402	Taxicab service (412)
410	Trucking service (421, 423)
411	Warehousing and storage (422)
412	U.S. Postal Service (43)

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES—Con.

420	Water transportation (44)
421	Air transportation (45)
422	Pipe lines, except natural gas (46)
432	Services incidental to transportation (47)
	Communications
440	Radio and television broadcasting and cable (483, 484)
441	Telephone communications (481)
442	Telegraph and miscellaneous communications services (482, 489)
	Utilities and sanitary services
450	Electric light and power (491)
451	Gas and steam supply systems (492, 496)
452	Electric and gas, and other combinations (493)
470	Water supply and irrigation (494, 497)
471	Sanitary services (495)
472	Not specified utilities

WHOLESALE TRADE**Durable Goods**

500	Motor vehicles and equipment (501)
501	Furniture and home furnishings (502)
502	Lumber and construction materials (503)
510	Professional and commercial equipment and supplies (504)
511	Metals and minerals, except petroleum (505)
512	Electrical goods (506)
521	Hardware, plumbing and heating supplies (507)
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)
532	Miscellaneous wholesale, durable goods (509 exc. 5093)

Nondurable Goods

540	Paper and paper products (511)
541	Drugs, chemicals and allied products (512, 516)
542	Apparel, fabrics, and notions (513)
550	Groceries and related products (514)
551	Farm-product raw materials (515)
552	Petroleum products (517)
560	Alcoholic beverages (518)
561	Farm supplies (5191)
562	Miscellaneous wholesale, nondurable goods (5192-5199)
571	Not specified wholesale trade

RETAIL TRADE

580	Lumber and building material retailing (521, 523)
581	Hardware stores (525)
582	Retail nurseries and garden stores (526)
590	Mobile home dealers (527)
591	Department stores (531)
592	Variety stores (533)
600	Miscellaneous general merchandise stores (539)
601	Grocery stores (541)

RETAIL TRADE—Con.

602	Dairy products stores (545)
610	Retail bakeries (546)
611	Food stores, n.e.c. (542, 543, 544, 549)
612	Motor vehicle dealers (551, 552)
620	Auto and home supply stores (553)
621	Gasoline service stations (554)
622	Miscellaneous vehicle dealers (555, 556, 557, 559)
623	Apparel and accessory stores, except shoe (56, except 566)
630	Shoe stores (566)
631	Furniture and home furnishings stores (571)
632	Household appliance stores (572)
633	Radio, TV, and computer stores (5731, 5734)
640	Music stores (5735, 5736)
641	Eating and drinking places (58)
642	Drug stores (591)
650	Liquor stores (592)
651	Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652	Book and stationery stores (5942, 5943)
660	Jewelry stores (5944)
661	Gift, novelty, and souvenir shops (5947)
662	Sewing, needlework and piece goods stores (5949)
663	Catalog and mail order houses (5961)
670	Vending machine operators (5962)
671	Direct selling establishments (5963)
672	Fuel dealers (598)
681	Retail florists (5992)
682	Miscellaneous retail stores (593, 5948, 5993-5995, 5999)
691	Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

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

BUSINESS AND REPAIR SERVICES

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

PERSONAL SERVICES

761	Private households (88)
762	Hotels and motels (701)
770	Lodging places, except hotels and motels (702, 703, 704)
771	Laundry, cleaning, and garment services (721 exc. part 7219)
772	Beauty shops (723)
780	Barber shops (724)
781	Funeral service and crematories (726)
782	Shoe repair shops (725)
790	Dressmaking shops (part 7219)
791	Miscellaneous personal services (722, 729)

ENTERTAINMENT AND RECREATION SERVICES

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

PROFESSIONAL AND RELATED SERVICES

812	Offices and clinics of physicians (801, 803)
820	Offices and clinics of dentists (802)
821	Offices and clinics of chiropractors (8041)
822	Offices and clinics of optometrists (8042)
830	Offices and clinics of health practitioners, n.e.c. (8043, 8049)
831	Hospitals (806)
832	Nursing and personal care facilities (805)
840	Health services, n.e.c. (807, 808, 809)
841	Legal services (81)
842	Elementary and secondary schools (821)
850	Colleges and universities (822)
851	Vocational schools (824)
852	Libraries (823)
860	Educational services, n.e.c. (829)
861	Job training and vocational rehabilitation services (833)
862	Child day care services (part 835)
863	Family child care homes (part 835)
870	Residential care facilities, without nursing (836)
871	Social services, n.e.c. (832, 839)
872	Museums, art galleries, and zoos (84)
873	Labor unions (863)
880	Religious organizations (866)
881	Membership organizations, n.e.c. (861, 862, 864, 865, 869)
882	Engineering, architectural, and surveying services (871)
890	Accounting, auditing, and bookkeeping services (872)
891	Research, development, and testing services (873)
892	Management and public relations services (874)
893	Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

900	Executive and legislative offices (911-913)
901	General government, n.e.c. (919)
910	Justice, public order, and safety (92)
921	Public finance, taxation, and monetary policy (93)
922	Administration of human resources programs (94)

PUBLIC ADMINISTRATION—Con.

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

ACTIVE DUTY MILITARY

Armed Forces

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

EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY INDUSTRY

- 992 Last worked 1984 or earlier

8 ADDRESS SHEET Line _____

8.A What is your exact address?
 House number, street, Apt. number, or other identification

8.B In this case your mailing address? Yes No - Specify below
 Route number, P.O. Box, or other identification

8.C Special place name _____

8.D Type code _____

8.E Sample number _____

9 AREA SEGMENTS ONLY

9.1 YEAR BUILT
 Before 4-1-80 - Continue interview
 After 4-1-80 - Complete item 10c when asked; DO NOT INTERVIEW

9.2 COVERAGE QUESTIONS
 Ask item marked
 DO NOT ASK

9.3 Are there any completed or vacant living quarters buildings year own in this building?
 Yes - FF Table X
 No

9.4 Are there any completed or vacant living quarters buildings year own on the floor?
 Yes - FF Table X
 No

9.5 Is there any other building on this property for people to live in - other occupied or vacant?
 Yes - FF Table X
 No

10 OFFICE USE ONLY

11.1 GEOGRAPHIC LOCATION - REL ON MOVER'S NEW CONTROL CARD

11.2 Is this address within the limits of a city, town, or village?
 Yes - What is the name?
 No - Not within the limits of a city, town, or village

11.3 LAND USE
 Follow instructions for box that is marked:
 URBAN - SKIP to item 13
 RURAL - Reg. units and SP, PL units coded 85-88 in 8d - ASK item 12b
 SP, PL units not coded 85-88 in 8d - Mark "No" in item 12b without asking, then go to item 13
 Unclassified - ASK 12b, or mark by observation

12 INTRODUCTION

12.A INITIAL VISIT - Hello, I am (Field Representative's name) from the United States Bureau of the Census. Here is my identification card. We are conducting a survey on the economic conditions of people who live in the United States. I have some questions to ask you. Do you have a few minutes to talk to me?
 Yes
 No
 DK

12.B RETURN VISIT - Hello, I am (Field Representative's name) from the United States Bureau of the Census. I have some further questions to ask on this subject. Did you receive our letter? Update items 15a and 15b if appropriate, then GO TO ITEM 21 on page 2.

12.C During the past 12 months did sales of major household appliances, such as refrigerators, freezers, and other products, increase?
 Yes
 No
 DK

13 CLASSIFICATION OF LIVING QUARTERS - Mark by observation

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

13.B HOUSING UNIT
 House, apartment, flat
 HI, in nontransient hotel, motel, etc.
 HI, permanent in transient hotel, motel, etc.
 HI, in rooming house
 Mobile home or trailer with HO permanent room added
 Mobile home or trailer with HO permanent room added
 HI (see specification above)

13.C ACCESS
 Direct - Go to item 13c
 Through another unit - Not a separate unit, combine with unit through which you entered unit
 Through another unit - Not a separate unit, combine with unit through which you entered unit
 Through another unit - Not a separate unit, combine with unit through which you entered unit

14 UNITS IN STRUCTURE
 Are there any living quarters -
 Owned or being bought by you or someone in your household?
 Rented for cash?
 Occupied without rent or cash payment of cash?

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

16 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

17 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

18 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

19 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

20 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

21 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

22 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

23 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

24 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

25 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

26 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

27 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

28 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

29 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

30 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

31 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

32 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

33 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

34 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

35 CHARACTERISTICS OF UNIT - UPDATE EVERY TIME YOU MOVE
 ASK ONLY IF UNITS RENTED (Otherwise go to item 15b on page 2, or 21b if first interview at mover's new address)
 Yes
 No
 DK

36 HOUSEHOLD FINAL INTERVIEW STATUS - Complete after interview

36.A CHARACTERISTICS OF TYPE A
 Verify for each wave assigned.
 Enter code from listcard

36.B RECORD OF VISITS, CONTROL CARD RESPONDENT PERSON NUMBER AND APPOINTMENTS
 Personal visits
 Total (a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u) (v) (w) (x) (y) (z)

36.C HOUSEHOLD INTERVIEW STATUS - Complete after interview

36.D CHARACTERISTICS OF TYPE A
 Verify for each wave assigned.
 Enter code from listcard

36.E RECORD OF VISITS, CONTROL CARD RESPONDENT PERSON NUMBER AND APPOINTMENTS
 Personal visits
 Total (a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u) (v) (w) (x) (y) (z)

37 CHARACTERISTICS OF TYPE A

37.A HOUSING UNIT
 House, apartment, flat
 HI, in nontransient hotel, motel, etc.
 HI, permanent in transient hotel, motel, etc.
 HI, in rooming house
 Mobile home or trailer with HO permanent room added
 Mobile home or trailer with HO permanent room added
 HI (see specification above)

37.B ACCESS
 Direct - Go to item 13c
 Through another unit - Not a separate unit, combine with unit through which you entered unit
 Through another unit - Not a separate unit, combine with unit through which you entered unit

37.C SEX OF REFERENCE PERSON
 Male
 Female

37.D STATUS OF HOUSEHOLD - Count all children and adults

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

38.A PERSONAL VISITS
 Total (a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u) (v) (w) (x) (y) (z)

38.B TELEPHONE CALLS
 Total (a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p) (q) (r) (s) (t) (u) (v) (w) (x) (y) (z)

39 FUTURE CONTACTS - Read listcard 1 and fill 39a - c. Verify and update for waves 2-8.

39.A What is your telephone number?
 Refused
 None

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

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

Name _____
 Relationship to person no. _____
 Telephone number (include area code) _____

CODES FOR HOUSEHOLD INTERVIEW STATUS

Wave 1 Interview Status

Type A - Interviewed
 Type B - Interviewed
 Type C - Interviewed
 Type D - Interviewed
 Type E - Interviewed
 Type F - Interviewed
 Type G - Interviewed
 Type H - Interviewed
 Type I - Interviewed
 Type J - Interviewed
 Type K - Interviewed
 Type L - Interviewed
 Type M - Interviewed
 Type N - Interviewed
 Type O - Interviewed
 Type P - Interviewed
 Type Q - Interviewed
 Type R - Interviewed
 Type S - Interviewed
 Type T - Interviewed
 Type U - Interviewed
 Type V - Interviewed
 Type W - Interviewed
 Type X - Interviewed
 Type Y - Interviewed
 Type Z - Interviewed

Wave 2-8 Interview Status

Type A - Interviewed
 Type B - Interviewed
 Type C - Interviewed
 Type D - Interviewed
 Type E - Interviewed
 Type F - Interviewed
 Type G - Interviewed
 Type H - Interviewed
 Type I - Interviewed
 Type J - Interviewed
 Type K - Interviewed
 Type L - Interviewed
 Type M - Interviewed
 Type N - Interviewed
 Type O - Interviewed
 Type P - Interviewed
 Type Q - Interviewed
 Type R - Interviewed
 Type S - Interviewed
 Type T - Interviewed
 Type U - Interviewed
 Type V - Interviewed
 Type W - Interviewed
 Type X - Interviewed
 Type Y - Interviewed
 Type Z - Interviewed

TRANSCRIPTION ITEMS (Card _____ of _____)

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

C O L	C 4.0 Person number	C 4.1 Name Respondent person number	EMPLOYMENT							EMPLOYMENT							EMPLOYMENT								
			W1	W2	W3	W4	W5	W6	W7	W8	W1	W2	W3	W4	W5	W6	W7	W8	W1	W2	W3	W4	W5	W6	W7
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									
2																									
3																									
4																									
1																									

Section 5 - TOPICAL MODULES

Part A - ANNUAL INCOME AND RETIREMENT ACCOUNTS

STATEMENT C

The purpose of this part of our interview is to get the most accurate picture possible of the situation of persons and families during calendar year 1992. It would be very helpful to refer to records during this part of the interview.

CHECK ITEM T1	Are the names of any businesses listed for . . . on the control card? (cc item 43)	8000	1 <input type="checkbox"/> Yes - SKIP to 1b 2 <input type="checkbox"/> No
CHECK ITEM T2	Was an interview obtained for . . . for each of the 4th, 5th, 6th, AND 7th waves (cc items 44, 45, 46, and 47)?	8002	1 <input type="checkbox"/> Yes - SKIP to Statement D, page 57 2 <input type="checkbox"/> No
1a. Did . . . own and operate a business at any time during calendar year 1992?	Include farms.	8004	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to Statement D, page 57
ASK OR VERIFY - b. How many different businesses did . . . own and operate during calendar year 1992?		8006	<input type="text"/> <input type="text"/> Businesses OR x3 <input type="checkbox"/> None - SKIP to Statement D, page 57
ASK OR VERIFY - c. What were the names of the businesses that . . . owned and operated during calendar year 1992? (List up to 2 businesses; list according to net income from business beginning with the business providing the largest net income.)		PGM 8 8008	Business name _____ _____
		PGM 8 8058	Business name _____ _____
CHECK ITEM T3	Transcribe ID number for this business from the control card (cc item 43). <i>(Fill items T3-T9 for the first business listed, then fill items T3-T9 if a second business is listed.)</i>	PGM 7 8010	<input type="checkbox"/> Business ID No. OR x3 <input type="checkbox"/> Not listed on control card
		PGM 7 8060	<input type="checkbox"/> Business ID No. OR x3 <input type="checkbox"/> Not listed on control card
CHECK ITEM T4	Has information about this business already been obtained in an interview for another household member?	8012	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to 2a
		8062	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to 2a
FIELD REPRESENTATIVE INSTRUCTION: Enter name, person number, and business ID number of the other owner who previously reported the business to indicate the location of the information about this business.		8014	Name _____ Person number <input type="text"/> <input type="text"/> <input type="text"/> Business ID number <input type="text"/> OR x3 <input type="checkbox"/> Not listed on control card
		8064	Name _____ Person number <input type="text"/> <input type="text"/> <input type="text"/> Business ID number <input type="text"/> OR x1 <input type="checkbox"/> Not listed on control card
ASK OR VERIFY - 2a. What was the form of this (business/practice) - was it a sole proprietorship, a partnership, or a corporation?		8018	1 <input type="checkbox"/> Sole proprietorship 2 <input type="checkbox"/> Partnership 3 <input type="checkbox"/> Corporation x1 <input type="checkbox"/> DK
		8068	1 <input type="checkbox"/> Sole proprietorship 2 <input type="checkbox"/> Partnership 3 <input type="checkbox"/> Corporation x1 <input type="checkbox"/> DK
b. Was this business primarily located in . . . 's own home or somewhere else?		8020	1 <input type="checkbox"/> Own home 2 <input type="checkbox"/> Somewhere else
		8070	1 <input type="checkbox"/> Own home 2 <input type="checkbox"/> Somewhere else

TOPICAL MODULES

Section 5 - TOPICAL MODULES (Continued)

Part A - ANNUAL INCOME AND RETIREMENT ACCOUNTS (Continued)

CHECK ITEM T5	Is "Sole proprietorship" marked in item 2a?	8104	1 <input type="checkbox"/> Yes - SKIP to 2h 2 <input type="checkbox"/> No	8154	1 <input type="checkbox"/> Yes - SKIP to 2h 2 <input type="checkbox"/> No
2c.	Were any other members of this household part owners of this (business/practice)?	8106	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK } SKIP to 2g	8156	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK } SKIP to 2g
d.	Which other household members were owners?	8108	Person No. <input type="text"/> Name _____	8158	Person No. <input type="text"/> Name _____
		8110	Person No. <input type="text"/> Name _____	8160	Person No. <input type="text"/> Name _____
e.	Was this (business/practice) owned entirely by members of this household?	8112	1 <input type="checkbox"/> Yes - SKIP to 2g 2 <input type="checkbox"/> No	8162	1 <input type="checkbox"/> Yes - SKIP to 2g 2 <input type="checkbox"/> No
f.	What percentage of this (business/practice) was owned by members of this household?	8114	<input type="text"/> <input type="text"/> Percent OR x1 <input type="checkbox"/> DK	8164	<input type="text"/> <input type="text"/> Percent OR x1 <input type="checkbox"/> DK
g.	What percentage of this (business/practice) did ... own in ...'s own name?	8116	<input type="text"/> <input type="text"/> Percent OR x1 <input type="checkbox"/> DK	8166	<input type="text"/> <input type="text"/> Percent OR x1 <input type="checkbox"/> DK
h.	What were the gross RECEIPTS of this (business/practice) in 1992? Please use records if they are available. ★ <i>Obtain estimate, if necessary.</i>	8118	\$ <input type="text"/> <input type="text"/> 00 x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.	8168	\$ <input type="text"/> <input type="text"/> 00 x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.
		i.	What were the total EXPENSES of this (business/practice) in 1992? Please use records if they are available. ★ <i>Obtain estimate, if necessary.</i>	8120	\$ <input type="text"/> <input type="text"/> 00 x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.
CHECK ITEM T6	Is "DK" marked in either item 2h or 2i?	8122	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to Check Item T7	8172	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to Check Item T7
2j.	If I were to call back later could you provide me with an estimate of (receipts/expenses)? (This information is especially important for this survey)?	8124	1 <input type="checkbox"/> Yes - Mark Callback Summary and Reminder Card, items 11a and/or 11b 2 <input type="checkbox"/> No	8174	1 <input type="checkbox"/> Yes - Mark Callback Summary and Reminder Card, items 11a and/or 11b 2 <input type="checkbox"/> No
CHECK ITEM T7	Is "Sole proprietorship" marked in item 2a?	8126	1 <input type="checkbox"/> Yes - SKIP to Check Item T9 2 <input type="checkbox"/> No	8176	1 <input type="checkbox"/> Yes - SKIP to Check Item T10 2 <input type="checkbox"/> No

TOPICAL MODULES

Section 5 - TOPICAL MODULES (Continued)

Part A - ANNUAL INCOME AND RETIREMENT ACCOUNTS (Continued)

<p>2k. What was ...'s net income from this (business/practice) in 1992? Please use records if they are available. ★</p>	<p>8202 \$ <input type="text"/> . <input type="text"/> 00 x3 <input type="checkbox"/> None x2 <input type="checkbox"/> Ref. x1 <input type="checkbox"/> DK</p>	<p>8252 \$ <input type="text"/> . <input type="text"/> 00 x3 <input type="checkbox"/> None x2 <input type="checkbox"/> Ref. x1 <input type="checkbox"/> DK</p>
<p><i>Obtain estimate, if necessary.</i></p>	<p>8204 x4 <input type="checkbox"/> Lost money - Enter amount of loss in box - SKIP to Check Item T8</p>	<p>8254 x4 <input type="checkbox"/> Lost money - Enter amount of loss in box - SKIP to Check Item T8</p>
<p>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.)</p>	<p>8206 1 <input type="checkbox"/> Yes - Mark Callback Summary and Reminder Card, item 12 2 <input type="checkbox"/> No</p>	<p>8256 1 <input type="checkbox"/> Yes - Mark Callback Summary and Reminder Card, item 12 2 <input type="checkbox"/> No</p>
<p>CHECK ITEM T8 Refer to item 2d. Were any other household members part owners of this business?</p>	<p>8208 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to Check Item T9</p>	<p>8258 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to Check Item T10</p>
<p>2m. Apart from the net income already reported for ... did (Read names of other household owners) receive any net income in 1992 from this (business/practice)?</p>	<p>8210 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK } SKIP to Check Item T9</p>	<p>8260 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No x1 <input type="checkbox"/> DK } SKIP to Check Item T10</p>
<p>n. What was the amount of net income that was received by (Read names of other household owners)? <i>Obtain estimate, if necessary.</i></p>	<p>Person No. <input type="text"/> <input type="text"/> <input type="text"/> 8212 <input type="text"/> <input type="text"/> <input type="text"/> 8214 \$ <input type="text"/> . <input type="text"/> 00 x3 <input type="checkbox"/> None x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.</p>	<p>Person No. <input type="text"/> <input type="text"/> <input type="text"/> 8262 <input type="text"/> <input type="text"/> <input type="text"/> 8264 \$ <input type="text"/> . <input type="text"/> 00 x3 <input type="checkbox"/> None x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.</p>
<p>8216 x4 <input type="checkbox"/> Lost money - Enter amount of loss in box</p>	<p>8266 x4 <input type="checkbox"/> Lost money - Enter amount of loss in box</p>	<p>8218 Person No. <input type="text"/> <input type="text"/> <input type="text"/> 8220 \$ <input type="text"/> . <input type="text"/> 00 x3 <input type="checkbox"/> None x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.</p>
<p>8222 x4 <input type="checkbox"/> Lost money - Enter amount of loss in box</p>	<p>8272 x4 <input type="checkbox"/> Lost money - Enter amount of loss in box</p>	<p>8270 Person No. <input type="text"/> <input type="text"/> <input type="text"/> 8270 \$ <input type="text"/> . <input type="text"/> 00 x3 <input type="checkbox"/> None x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.</p>
<p>CHECK ITEM T9 Is another business listed in item 1c?</p>	<p>8274 1 <input type="checkbox"/> Yes - Complete Check Item T3 for next business 2 <input type="checkbox"/> No - SKIP to Statement D</p>	<p align="center">Go to Check Item T10</p>
<p>CHECK ITEM T10 Is the number of businesses recorded in item 1b three or more?</p>	<p>8276 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - SKIP to Statement D</p>	
<p>3. What was ...'s net income from ...'s other businesses in 1992? Please use records if they are available.</p>	<p>8278 \$ <input type="text"/> . <input type="text"/> 00 x3 <input type="checkbox"/> None x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.</p>	
	<p>8280 x4 <input type="checkbox"/> Lost money - Enter amount of loss in box</p>	
<p>NOTES</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.

4a. Does . . . have an Individual Retirement Account - an IRA - in . . .'s OWN name? 9330 1 Yes
2 No } SKIP to 4h
x1 DK }
If . . . is only included in . . .'s (husband's/wife's) IRA accounts, mark the "No" box.

b. Did . . . make any tax-deductible contributions to IRA accounts which applied to . . .'s 1992 tax return? 9332 1 Yes
2 No } SKIP to 4d
x1 DK }
(Contributions which were deducted from gross income.)

c. How much were . . .'s tax-deductible contributions to IRA accounts which applied to . . .'s 1992 tax return? 9334 \$. 00
(Form 1040, line 24a)
(Form 1040A, line 15a)
x1 DK
x2 Ref.

d. Did . . . make any withdrawals from . . .'s IRA accounts during 1992? 9336 1 Yes
2 No } SKIP to 4f
x1 DK }
Mark "No" if funds were "rolled over" within 60 days of the withdrawal.

e. How much did . . . withdraw from IRA accounts during 1992? 9338 \$. 00
x1 DK
x2 Ref.

f. Including ALL IRA accounts in . . .'s OWN name, how much did . . .'s IRA accounts earn during 1992? 9340 \$. 00
x3 None
x1 DK
x2 Ref.

g. What types of assets did . . . have in . . .'s IRA accounts? 9342 1 Certificates of deposit or other savings certificates
Mark (X) all that apply.
Anything else? 9344 2 Money market funds
9346 3 U.S. Government securities
9348 4 Municipal or corporate bonds
9350 5 U.S. Savings Bonds
9352 6 Stocks or mutual fund shares
9354 7 Other assets - *Specify*
9356 x1 DK

h. Does . . . have a Keogh account in . . .'s OWN name? 9358 1 Yes
2 No } SKIP to Check Item T11
x1 DK }

i. Did . . . make any tax-deductible contributions to a Keogh account which applied to . . .'s 1992 tax return? 9360 1 Yes
2 No } SKIP to 4k
x1 DK }

j. How much were . . .'s tax-deductible contributions to Keogh accounts which applied to . . .'s 1992 tax return? 9362 \$. 00
(Form 1040, line 27)
x1 DK
x2 Ref.

k. Did . . . make any withdrawals from . . .'s Keogh accounts during 1992? 9364 1 Yes
2 No } SKIP to 4m
x1 DK }

Section 5 - TOPICAL MODULES (Continued)

Part A - ANNUAL INCOME AND RETIREMENT ACCOUNTS (Continued)

4l. How much did . . . withdraw from Keogh accounts during 1992?

9366 \$. 00
 x1 DK
 x2 Ref.

m. including ALL Keogh accounts in . . . 's OWN name, how much did . . . 's Keogh accounts earn during 1992?

9368 \$. 00
 x3 None
 x1 DK
 x2 Ref.

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

Mark (X) all that apply.

Anything else?

9370 1 Certificates of deposit or other savings certificates
 9372 2 Money market funds
 9374 3 U.S. Government securities
 9376 4 Municipal or corporate bonds
 9378 5 U.S. Savings Bonds
 9380 6 Stocks or mutual fund shares
 9382 7 Other assets - *Specify*
 9384 x1 DK

CHECK ITEM T11

Refer to cc item 42.

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

9385 1 Yes
 2 No - *SKIP to Check Item T12*

4o. During 1992, did . . . participate in an employee thrift plan such as a 401k plan? Such a plan allows employees to defer part of their salary and not have to pay taxes on their deferred salary until they retire or make a withdrawal.

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

p. How much did . . . contribute to this plan during 1992?

9388 \$. 00
 x3 None
 x1 DK
 x2 Ref.

NOTES

Section 5 - TOPICAL MODULES (Continued)

Part B - TAXES

CHECK ITEM T12	Has tax information for . . . already been obtained in an interview for a spouse with whom . . . filed a joint return?	9390	<input type="checkbox"/> Yes - <i>SKIP to Check Item T19, page 61</i> <input type="checkbox"/> No														
	1a. Did . . . file a Federal income tax return for 1992? <i>Mark "Yes" if . . . filed alone or jointly.</i>	9392	<input type="checkbox"/> Yes <input type="checkbox"/> No - <i>SKIP to Check Item T19, page 61</i>														
	b. Do you have a copy of the tax form or a worksheet that you could refer to for the next few questions?	9394	<input type="checkbox"/> Yes - <i>Allow person time to get form</i> <input type="checkbox"/> No														
	2. What was . . . 's filing status on . . . 's 1992 Federal tax return? Did . . . file as - <i>Read categories - Mark (X) one.</i>	9396	<input type="checkbox"/> A single taxpayer? <input type="checkbox"/> Married, filing a joint return? <input type="checkbox"/> Married, filing separately? <input type="checkbox"/> Unmarried head of household? <input type="checkbox"/> Qualifying widow(er) with dependent child? x1 <input type="checkbox"/> DK														
	3a. What were the total number of exemptions claimed on . . . 's tax return?	9398	<input type="text"/> <input type="text"/> Exemptions - <i>If "01" SKIP to 4</i> x1 <input type="checkbox"/> DK														
CHECK ITEM T13	<i>Refer to cc item 20.</i> Number of current household members.	9400	<input type="checkbox"/> One - <i>SKIP to 3c</i> <input type="checkbox"/> Two or more														
	3b. Besides . . . which persons in this household did . . . claim as an exemption?		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Person No.</th> <th style="width:90%;">Name</th> </tr> </thead> <tbody> <tr> <td>9402</td> <td><input type="text"/></td> </tr> <tr> <td>9404</td> <td><input type="text"/></td> </tr> <tr> <td>9406</td> <td><input type="text"/></td> </tr> <tr> <td>9408</td> <td><input type="text"/></td> </tr> <tr> <td>9410</td> <td><input type="text"/></td> </tr> <tr> <td>9412</td> <td><input type="checkbox"/> None in household</td> </tr> </tbody> </table>	Person No.	Name	9402	<input type="text"/>	9404	<input type="text"/>	9406	<input type="text"/>	9408	<input type="text"/>	9410	<input type="text"/>	9412	<input type="checkbox"/> None in household
Person No.	Name																
9402	<input type="text"/>																
9404	<input type="text"/>																
9406	<input type="text"/>																
9408	<input type="text"/>																
9410	<input type="text"/>																
9412	<input type="checkbox"/> None in household																
	<i>ASK OR VERIFY:-</i> c. Did . . . claim exemptions for any persons who lived outside of . . . 's home for the entire year?	9414	<input type="checkbox"/> Yes <input type="checkbox"/> No - <i>SKIP to 4</i>														
	d. What was the relationship of this (these) person(s) to . . . ? <i>Record for two persons only.</i>		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%;">FIRST DEPENDENT</th> <th style="width:50%;">SECOND DEPENDENT</th> </tr> </thead> <tbody> <tr> <td>9416</td> <td>9418</td> </tr> <tr> <td> <input type="checkbox"/> Parent <input type="checkbox"/> Child <input type="checkbox"/> Brother/sister <input type="checkbox"/> Other </td> <td> <input type="checkbox"/> Parent <input type="checkbox"/> Child <input type="checkbox"/> Brother/sister <input type="checkbox"/> Other </td> </tr> </tbody> </table>	FIRST DEPENDENT	SECOND DEPENDENT	9416	9418	<input type="checkbox"/> Parent <input type="checkbox"/> Child <input type="checkbox"/> Brother/sister <input type="checkbox"/> Other	<input type="checkbox"/> Parent <input type="checkbox"/> Child <input type="checkbox"/> Brother/sister <input type="checkbox"/> Other								
FIRST DEPENDENT	SECOND DEPENDENT																
9416	9418																
<input type="checkbox"/> Parent <input type="checkbox"/> Child <input type="checkbox"/> Brother/sister <input type="checkbox"/> Other	<input type="checkbox"/> Parent <input type="checkbox"/> Child <input type="checkbox"/> Brother/sister <input type="checkbox"/> Other																
	4. Did . . . file form 1040, the long form or did . . . file one of the short forms, 1040A or 1040EZ? <i>(Form 1040 is blue) (Form 1040A is pink) (Form 1040EZ is green)</i>	9420	<input type="checkbox"/> Form 1040 <input type="checkbox"/> Form 1040A <input type="checkbox"/> Form 1040EZ x1 <input type="checkbox"/> DK														
	5. I am going to mention two forms that people are sometimes required to attach to their tax return. Please tell me if these were included with . . . 's 1992 tax return.																
	(1) Schedule A, Itemized Deductions	9422	<input type="checkbox"/> Yes <input type="checkbox"/> No x1 <input type="checkbox"/> DK														
	(2) Schedule D, Capital Gains and Losses	9424	<input type="checkbox"/> Yes <input type="checkbox"/> No x1 <input type="checkbox"/> DK														

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	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - <i>SKIP to 9a</i>
CHECK ITEM T15	Refer to item 4. Is "Form 1040" marked?	9430	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - <i>SKIP to 8a</i>
CHECK ITEM T16	Is "Schedule A, Itemized Deductions" marked "Yes" in item 5(1)?	9432	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - <i>SKIP to 6b</i>
6a. How much were ...'s (and ...'s husband's/wife's) itemized deductions for 1992? <i>(Schedule A, line 26)</i>		9434	<input type="text" value="\$"/> <input type="text" value="00"/> x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref. - <i>SKIP to Check Item T17</i>
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 <i>(Form 1040, line 41)</i>		9446	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
		9448	<input type="text" value="\$"/> <input type="text" value="00"/> x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.
(2) A credit for the elderly or the disabled <i>(Form 1040, line 42)</i>		9450	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
		9452	<input type="text" value="\$"/> <input type="text" value="00"/> x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.
CHECK ITEM T17	Refer to item 5(2). Is "Schedule D, Capital Gains and Losses" marked "Yes"?	9458	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No - <i>SKIP to 8a</i>
7. How much were ...'s (and ...'s husband's/wife's) capital gains or losses from the sale or exchange of personal assets for 1992? <i>(Form 1040, line 13)</i>		9460	<input type="text" value="\$"/> <input type="text" value="00"/> x3 <input type="checkbox"/> None x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.
		9461	x4 <input type="checkbox"/> Lost money - <i>Enter amount of loss in box</i>
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 1992? <i>(Form 1040, line 31)</i> <i>(Form 1040A, line 16)</i> <i>(Form 1040EZ, line 3)</i>		9462	<input type="text" value="\$"/> <input type="text" value="00"/> x3 <input type="checkbox"/> None x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref.
		9463	x4 <input type="checkbox"/> Lost money - <i>Enter amount of loss in box</i> } <i>SKIP to 9a</i>
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 1992? <i>(Form 1040, line 53)</i> <i>(Form 1040A, line 27)</i> <i>(Form 1040EZ, line 7)</i>		9464	<input type="text" value="\$"/> <input type="text" value="00"/> x3 <input type="checkbox"/> None x1 <input type="checkbox"/> DK x2 <input type="checkbox"/> Ref. *
CHECK ITEM T18	Refer to item 8a. What is the amount of adjusted gross income reported?	9466	1 <input type="checkbox"/> \$22,370 or more - <i>SKIP to Check Item T19</i> 2 <input type="checkbox"/> Less than \$22,370

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 T21 Was ... enrolled in elementary or high school?

- 9614** 1 Yes
 2 No - SKIP to 4

3. Was ... enrolled in a public school? (Mark "Yes" if the school at which ... spent the greatest amount of time was public.)

- 9616** 1 Yes - SKIP to Check Item C1, page 64
 2 No

4. During the past 12 months -

a. What was the total cost of ...'s tuition and fees?

9618 \$. 00
 x3 None
 x1 DK

b. What was the total cost of ...'s books and supplies?

9620 \$. 00
 x3 None
 x1 DK

c. Did ... live away from home while attending school?

- 9622** 1 Yes
 2 No - SKIP to 5a

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

9624 \$. 00
 x3 None
 x1 DK

NOTES

APPENDIX C

SIPP WHAT'S AVAILABLE Ordering Information

Various working papers, Statistical Briefs and other products are available free of charge. To receive a list of these products, send your request to:

**Data User Services Division
Microdata Access Branch
Bureau of the Census
Washington, DC 20233**

You may also request products by phone. Please contact Carmen Campbell on (301) 763-2005.

APPENDIX D

Machine-Readable Data Dictionary Layout

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

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

FORMAT

"*" LINE COMMENTS

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

"D" LINE DATA DICTIONARY

This line contains the following information:

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

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

"U" LINE UNIVERSE DEFINITION

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

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

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

"V" LINE VALUE DEFINITION

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

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

APPENDIX E

User Notes

This section is reserved for any information relevant to the SIPP 1991 Panel, Wave 8 Topical Module Microdata Research File that indicates specific problems with the data, or that becomes available after the file is released. Any such information should be filed behind this page.

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