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## SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP) 2001 PANEL WAVE 8 WELFARE REFORM TOPICAL MODULE RESEARCH MICRODATA FILES

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#### Abstract

Survey of Income and Program Participation (SIPP) 2001 Panel, Wave 8 Welfare Reform Topical Module Microdata Research File [machine-readable data file] / conducted by the U.S. Bureau of the Census. -Washington: The Bureau [producer and distributor], 2005.


## 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), ethnic origin (34 categories including 9 Spanish origin categories), marital status, and education. Data in this topical module file include child support agreements, support for nonhousehold members, adult and child disability, adult well-being, and language.

The sample consists of 4 rotation groups, each interviewed in a different month from June 2003 to September 2003. For each group the reference period for reporting labor force activity and income is the four calendar months preceding the interview month.

SIPP is a longitudinal survey where each sampled household and each descendent household is reinterviewed at 4-month intervals for 9 interviews or "waves." This file contains the results of the 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 45 individual States and the District of Columbia, although the sample was not designed to produce State estimates. Areas in the SIPP sample in five States are identified in two groups for confidentiality reasons. The file identifies a subsample of metropolitan residents, along with codes for selected metropolitan statistical areas (MSA's) and consolidated metropolitan statistical areas (CMSA's).

## Technical Description:

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

File Size: 67,530 logical records; 424 character logical record length.
File Sort Sequence of Sample Units: Sampling unit identification number by entry address ID and person number within sampling unit.

## Reference Materials:

Survey of Income and Program Participation (SIPP) 2001 Panel, Wave 8 Welfare Reform Topical Module Research Microdata File Technical Documentation. The documentation includes this abstract, the data dictionary, an index to the data dictionary, relevant code lists, questionnaire facsimiles, and general information on SIPP.

Survey of Income and Program Participation Users' Guide. The Users' Guide contains a general overview of the file as well as chapters on survey design and content, structure and use of cross-sectional files, linking waves and reliability of the data. It is available at http://www.sipp.census.gov/sipp/pubs.html

## Related Reports Online and in Print:

Related 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. These reports are available online in PDF in the Publications Library at http://www.census.gov/prod/www/titles.html and in some cases in printed form from the Customer Services Center. Forthcoming reports will be cited in the Census Product Update, an online newsletter issued every two weeks. To subscribe or to view past issues, go to http://www.census.gov/mp/www/cpu.html

## Related Machine-Readable Data Files:

SIPP files from all Waves of the 1984 through 1993 Panels, 1996 Panel, and 2001 Panel are available from the Customer Services Center. Files (1990 forward) may be downloaded from the Federal Electronic Research and Review Extraction Tool (FERRET) at http://www.ferret.bls.census.gov/cgi-bin/ferret

## File Availability:

You can order the file on disc from the Customer Services Center at (301) 763-INFO (4636) or through our online sales catalog (click "Catalog" on the Census Bureau's home page). This $f$ also may be downloaded from the Federal Electronic Research and Review Extraction Tool (FERRET) at http://www.ferret.bls.census.gov/cgibin/ferret

## 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.

| SSUID | Scrambled sample unit identifier |
| :--- | :--- |
| SPANEL | Panel year |
| SWAVE | Wave of data collection |
| SROTATION | Rotation of data collection |
| TFIPSST - FIPS | State code for the fifth month |
| EOUTCOME | Interview status code for the fifth month |
| SHHADID | Household address ID in the fourth reference month |
| SINTHHID | Household address ID of person in interview month |
| RFID | Family ID number in month four |
| RFID2 | Family ID excluding related subfamily members |
| EPPIDX | Person index |
| EENTAID | Address ID of household where person entered sample |
| EPPPNUM | Person number |
| EPOPSTAT | Population status based on age in fourth reference month |
| EPPINTVW | Person's interview status at time of interview |
| EPPMIS4 | Person's fourth month inteview status |
| ESEX | Sex of this person |
| ERACE | Race of this person |
| EORIGIN | Origin of this person |
| EFINWGT | Person weight |
| ERRP | Household relationship |
| EMS | Marital status |
| EPNMON | Person number of mother |
| EPNDAD | Person number of father |
| EPNGUARD | Person number of guardian |
| EPNSPOUS | Person number of spouse |
| RDESGPNT | Designated parent or guardian flag |
| TAGE | Age as of last birthday at the end of the fourth month |
| EEDUCATE | Highest degree received or grade completed |

## Geographic Coverage

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

## Identification Number System

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

The various components of the identification scheme are listed below:

| SSUID | Sample Unit Identification Number |
| :--- | :--- |
| SINTHHID | Address ID |
| EENTAID | Entry Address ID |
| EPPPNUM | 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 num-ber. Person numbers 101, 102, etc., are assigned in Wave 1; 201, 202, etc., are assigned to persons added to the roster in Wave 2, and so forth. This five-digit number is not changed or updated, regardless of moves.

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

## Topcoding of Income Variables

To protect against the possibility that a user might recognize the identity of a SIPP respondent with very high income, income from every source is "topcoded" so that no individual income amounts above \$150,000 are revealed. While the data dictionary indicates a topcode of 50,000 for monthly income, this topcode will rarely be used. In most cases the monthly income is shown as an individual dollar amount of $\$ 12,500$, with $\$ 12,500$ actually representing "\$12,500 or more." (the \$150,000 annual income topcode is $\$ 12,500$ multiplied by 12 months). Individual monthly amounts above $\$ 12,500$ may occasionally be shown if the respondent's income varied considerably from month to month, as long as the average does not exceed $\$ 12,500$. 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 $\$ 50,000$ 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 $\$ 150,000$, 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 $\$ 12,500$, 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.

# INDEX TO 2001 WAVE 8 WELFARE REFORM TOPICAL MODULE RESEARCH FILES 

## Key to Concept Labels

ED - Education Variables
FA - Family Variables
HH - Household Variables
PE - Person, Demographic, and Coverage Variables
SU - Sample Unit Variables
WR - Welfare Reform Variables
WW - Weighting Variables

|  | Description | Variable | Position |
| :---: | :---: | :---: | :---: |
| ED | Highest Degree received or grade completed | EEDUCATE | 93-94 |
| FA | Family ID Number in month four | RFID | 36-38 |
| FA | Family ID excluding related subfamily members | RFID2 | 39-41 |
| HH | Interview Status code for fifth month household | EOUTCOME | 33-35 |
| PE | Address ID of hhld where person entered sample | EENTAID | 45-47 |
| PE | Age as of last birthday | TAGE | 72-73 |
| PE | Designated parent or guardian flag | RDESGPNT | 91-92 |
| PE | Household relationship | ERRP | 70-71 |
| PE | Marital status | EMS | 74-74 |
| PE | Origin of this person | EORIGIN | 58-59 |
| PE | Person index | EPPIDX | 42-44 |
| PE | Person longitudinal key | LGTKEY | 95-102 |
| PE | Person number | EPPPNUM | 48-51 |
| PE | Person number of father | EPNDAD | 83-86 |
| PE | Person number of guardian | EPNGUARD | 87-90 |
| PE | Person number of mother | EPNMOM | 79-82 |
| PE | Person number of spouse | EPNSPOUS | 75-78 |
| PE | Person's 4th month interview status | EPPMIS4 | 55-55 |
| PE | Person's interview status at time of interview | EPPINTVW | 53-54 |
| PE | Population status based on age in fourth ref. month | EPOPSTAT | 52-52 |
| PE | Race of this person | ERACE | 57-57 |
| PE | Sex of this person | ESEX | 56-56 |
| SU | FIPS State Code for fifth month household | TFIPSST | . 25-26 |
| SU | Hhld Address ID in fourth reference month | SHHADID | 27-29 |
| SU | Hhld Address ID of person in interview month | SINTHHID | 30-32 |
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| SU | Sample Unit Identifier | SSUID | 6-17 |
| SU | Sequence Number of Sample Unit - Primary Sort Key | SSUSEQ | 1-5 |
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| WR | "Other" assistance amount reported earlier? | ICSEARL | 307-308 |
| WR | AFDC always covered kids only ? | IALWAYCH | 405-406 |
| WR | AFDC cut- bank eligibility | INOTBANK | 387-387 |
| WR | AFDC cut- children too old | INOTOLD | 393-393 |
| WR | AFDC cut- exceeded time limit | INOTLIMT | 383-383 |
| WR | AFDC cut- gave too little req info | INOTINFO | 386-386 |
| WR | AFDC cut- got married | INOTMARR | 391-391 |
| WR | AFDC cut- had max assistance | INOTMAX | 389-389 |
| WR | AFDC cut- income too high | INOTHIGH | 388-388 |
| WR | AFDC cut- no longer needed | INOTNEED | 392-392 |


|  | Description | Variable | Position |
| :---: | :---: | :---: | :---: |
| WR | AFDC cut- non/coop CS reqs. | INOTCSRQ | 385-385 |
| WR | AFDC cut- non/coop work reqs. | INOTWKRQ | 384-384 |
| WR | AFDC cut- other | INOTOTH | 394-394 |
| WR | AFDC cut- rejected signed plan | INOTSIGN | 390-390 |
| WR | Amount of "other" assistance | ICSAMT | 301-304 |
| WR | Amount of "other" assistance - no cash value | ICSNCASH | 305-306 |
| WR | Amount of short-term cash assistance | ICASHAMT | 263-266 |
| WR | Asks if income assistance was received | IPAYN | 107-108 |
| WR | Bene cut- exceeded time limit | IREDLIMT | 371-371 |
| WR | Bene cut- gave too little req. info | IREDINFO | 368-368 |
| WR | Bene cut- inc too high | IREDINCR | 365-365 |
| WR | Bene cut- non-coop CS req | IREDCSRQ | 367-367 |
| WR | Bene cut- non/coop wk req. | IREDWKRQ | 366-366 |
| WR | Bene cut- other reason | IREDOTH | 372-372 |
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| WR | Bene cut- rejected signed plan | IREDSIGN | 369-369 |
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| WR | Child support assistance collecting child support | ICSCOLL | 291-292 |
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| WR | Child support assistance other kind of help? | ICSOTH2 | 293-294 |
| WR | Children who received gov't. assisted child care | ICCCOV01 | 192-195 |
| WR | Children who received gov't. assisted child care | ICCCOV03 | 200-203 |
| WR | Children who received gov't. assisted child care | ICCCOV04 | 204-207 |
| WR | Children who received gov't. assisted child care | ICCCOV05 | 208-211 |
| WR | Children who received gov't. assisted child care | ICCCOV06 | 212-215 |
| WR | Children who received gov't. assisted child care | ICCCOV07 | 216-219 |
| WR | Children who received government assisted child care | ICCCOV02 | 196-199 |
| WR | College degree/certificate assistance | IJHCOL | 156-157 |
| WR | Computer training assistance | IJHCOMP | 146-147 |
| WR | Date AFDC ineligible- month | IELIGMON | 399-400 |
| WR | Date AFDC ineligible- year | IELIGYR | 401-404 |
| WR | Date of kid's own PA coverage- month | IKDSTRTM | 417-418 |
| WR | Date of kid's own PA coverage- year | IKDSTRTY | 419-422 |
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| WR | Did charity/relative/friends pay child care costs? | ICCEMPYN | 188-189 |
| WR | Did government pay any child care cost? | ICCPAYYN | 186-187 |
| WR | Did respondent pay for education/training? | IJHPAYYN | 170-171 |
| WR | Did training/assistance lead to job? | IJHJOBYN | 168-169 |
| WR | Did work for benefits/experience lead to job? | IWFJOB | 325-326 |
| WR | Dressing assistance | IJHDRES | 142-143 |
| WR | English language assistance | IJHENG | 162-163 |
| WR | FR note - work for benefits/experience info in core? | IWFCORE | 327-328 |
| WR | Food-related assistance rec'd-meal from shelter | IFAMEAL | 232-233 |
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| WR | Gov't asst inquired about- Transportation assistance | IINCTRAN | 344-344 |
| WR | Gov't asst inquired about- Unemployment Compensation | IINCUNEM | 339-339 |
| WR | Gov't asst. inquired about - Child care assistance | IINCQCC | 343-343 |
| WR | Gov't asst. inquired about - Education or training | IINCEDUC | 342-342 |
| WR | Gov't asst. inquired about - Energy Assistance | IINCENER | 341-341 |


|  | Description | Variable | Position |
| :---: | :---: | :---: | :---: |
| WR | Gov't asst. inquired about - Gen'l Asst. Prgm | IINCGA | 334-334 |
| WR | Gov't asst. inquired about - SSI | IINCSSI | 335-335 |
| WR | Gov't asst. inquired about - School meals | IINCMEAL | 345-345 |
| WR | Gov't asst. inquired about- Public Housing/Section 8 | IINCPH | 340-340 |
| WR | Government assistance inquired about - Other | IINCOTH | 346-346 |
| WR | Government assistance inquired about - WIC | IINCWIC | 338-338 |
| WR | House asst not pub house/gov rent asst/energy asst | IHOUSHYN | 122-123 |
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| WR | Item WR116 DK's and Refusals | INOTDK | 395-396 |
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| WR | Item WR54 DK's and Refusals | ICAOTHH | 247-248 |
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| WR | Item WR65 DKs and Refusals | ICASHOHH | 278-279 |
| WR | Item WR66 DKs and Refusals | ICSOTHH | 283-284 |
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| WR | Machinery training assistance | IJHMACH | 150-151 |
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| WR | No AFDC- exceeded time limit | IKIDLIMT | 413-413 |
| WR | No AFDC- gave too little req. info. | IKIDINFO | 410-410 |
| WR | No AFDC- immigration status | IKIDIMMI | 409-409 |
| WR | No AFDC- non/coop CS reqs. | IKIDCSRQ | 408-408 |
| WR | No AFDC- non/coop work reqs. | IKIDWKRQ | 407-407 |
| WR | No AFDC- other | IKIDOTH | 414-414 |
| WR | No AFDC- receiving SSI | IKIDSSI | 412-412 |
| WR | No AFDC- rejected signed plan. | IKIDSIGN | 411-411 |
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| WR | Number of short-term cash payments during ref period | ICASHHM | 261-262 |
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| WR | Other specific job training assistance | IJHOJS | 152-153 |
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| WR | Particular use of "other" assist- clothes for you | ICSCLOS | 313-313 |
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| WR | Particular use of "other" assistance - Food | ICSFOOD | 312-312 |
| WR | Particular use of "other" assistance - Other | ICSOUSE | 316-316 |
| WR | Particular use of "other" assistance - rent | ICSRENT | 311-311 |
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| WR | Reason didn't apply - Didn't know I could | ININDK | 353-353 |
| WR | Reason didn't apply - Don't take charity/gov't aid | ININCHAR | 356-356 |
| WR | Reason didn't apply - No transportation to office | ININTRAN | 355-355 |
| WR | Reason didn't apply - Too much run-around, hassle | ININHAS | 354-354 |
| WR | Reason didn't apply- Don't need any | ININDN | 350-350 |
| WR | Reason didn't apply- Exceeded time limit | ININLIMT | 349-349 |
| WR | Reason didn't apply- Haven't done it yet/plan to | ININPLAN | 358-358 |


|  | Description | Variable | Position |
| :---: | :---: | :---: | :---: |
| WR | Reason didn't apply- No other assist | VAI | 359-359 |
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| WR | Reason didn't apply- Not eligible/immigration status | ININIMM | 351-351 |
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| WR | Sources of clothing assist received- fam/friends | ICAFAM | 244-244 |
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| WR | Sources of clothing assistance received - charity | ICACHAR | 243-243 |
| WR | Sources of clothing assistance received - employer | ICAEMP | 245-245 |
| WR | Sources of clothing assistance received- gov agency | ICAGA | 242-242 |
| WR | Sources of food assist. rec'd-charity | IVOUHAR | 237-237 |
| WR | Sources of food assistance received - family/friends | IVOUFAM | 238-238 |
| WR | Sources of food assistance received - govt agency | IVOUGA | 236-236 |
| WR | Sources of food assistance received - someplace else | IVOUOTH | 239-239 |
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# ALPHABETICAL VARIABLE LISTING TO 2001 WAVE 8 WELFARE REFORM TOPICAL MODULE RESEARCH MICRODATA FILES 

## Key to Concept Labels

| ED | - | Education Variables |
| :--- | :--- | :--- |
| FA | - | Family Variables |
| HH | - | Household Variables |
| PE | - | Person, Demographic, and Coverage Variables |
| SU | Sample Unit Variables |  |
| WR | - | Welfare Reform Variables |
| WW | Weighting Variables |  |


| Variable | Description | Position |
| :---: | :---: | :---: |
| EAWRUNV | WR ........ Universe indicator. | 103-104 |
| EEDUCATE | ED ......... Highest Degree received or grade completed | 93-94 |
| EENTAID | PE ......... Address ID of hhld where person entered sample | . $45-47$ |
| EMS | PE ......... Marital status | .. 74-74 |
| EORIGIN | PE ........ Origin of this person | 58-59 |
| EOUTCOME | HH ....... Interview Status code for fifth month household | 33-35 |
| EPNDAD | PE ........ Person number of father | . 83-86 |
| EPNGUARD | PE ......... Person number of guardian | 87-90 |
| EPNMOM | PE ........ Person number of mother | .. 79-82 |
| EPNSPOUS | PE ......... Person number of spouse | 75-78 |
| EPOPSTAT | PE ........ Population status based on age in fourth ref. month | 52-52 |
| EPPIDX | PE ......... Person index | 42-44 |
| EPPINTVW | PE ........ Person's interview status at time of interview | . 53-54 |
| EPPMIS4 | PE ......... Person's 4th month interview status | . 55-55 |
| EPPPNUM | PE ......... Person number | .. 48-51 |
| ERACE | PE ......... Race of this person | 57-57 |
| ERRP | PE ......... Household relationship | . 70-71 |
| ESEX | PE ........ Sex of this person | 56-56 |
| IALWAYCH | WR ....... AFDC always covered kids only ? | 405-406 |
| ICACHAR | WR ........ Sources of clothing assistance received - charity | 243-243 |
| ICAEMP | WR ........ Sources of clothing assistance received - employer | 245-245 |
| ICAFAM | WR ....... Sources of clothing assist received- fam/friends | 244-244 |
| ICAGA | WR ........ Sources of clothing assistance received- gov agency | 242-242 |
| ICAOTH | WR ........ Sources of clothing assist. rec'd - someplace else | 246-246 |
| ICAOTHH | WR ....... Item WR54 DK's and Refusals | 247-248 |
| ICARYN | WR ........ Type of transportation assistance ... received | 178-179 |
| ICASHAL | WR ....... Short-term cash assistance reported earlier? | 267-268 |
| ICASHAMT | WR ........ Amount of short-term cash assistance | 263-266 |
| ICASHCAR | WR ........ Specified use for short-term cash assistance - car | 275-275 |
| ICASHCK | WR ........ Use for short-term cash assistance-clothes for child | 274-274 |
| ICASHCS | WR ....... Specified use for short-term cash assistance clothes | 273-273 |
| ICASHFOO | WR ....... Specified use for short-term cash assistance - food | 272-272 |
| ICASHHM | WR ....... Number of short-term cash payments during ref period | 261-262 |
| ICASHOHH | WR ........ Item WR65 DKs and Refusals | 278-279 |
| ICASHOTH ........ | WR ....... Specified use for short-term cash assistance - other | 276-277 |
| ICASHREN ......... | WR ........ Specified use for short-term cash assistance - rent | 271-271 |
| ICASHSC | WR ........ Source of short-term cash assistance | 259-260 |


| ICASHUSE | WR ....... Use specified for short-term cash assistance? | 269-270 |
| :---: | :---: | :---: |
| ICCAFT | WR ........ Types of child care paid for by govt-school prog. | 226-227 |
| ICCCOV01 | WR ........ Children who received gov't. assisted child care | 192-195 |
| ICCCOV02 | WR ........ Children who received government assisted child care . | 196-199 |
| ICCCOV03 | WR ........ Children who received gov't. assisted child care | 200-203 |
| ICCCOV04 | WR ........ Children who received gov't. assisted child care | 204-207 |
| ICCCOV05 | WR ........ Children who received gov't. assisted child care | 208-211 |
| ICCCOV06 | WR ........ Children who received gov't. assisted child care | 212-215 |
| ICCCOV07 | WR ........ Children who received gov't. assisted child care | 216-219 |
| ICCDAYC | WR ....... Types of child care paid for by govt-day care | 222-223 |
| ICCEMPYN | WR ........ Did charity/relative/friends pay child care costs? | 188-189 |
| ICCPAYYN | WR ........ Did government pay any child care cost? | 186-187 |
| ICCREL | WR ........ Types of child care paid for by govt.-relative | 220-221 |
| ICCSITT | WR ........ Types of child care paid for by govt.-non-rel. | 224-225 |
| ICCTYPE | WR ........ Were child care services free? | 184-185 |
| ICCWHO | WR ........ Who (non-govt.) helped pay the cost of child care? | 190-191 |
| ICLOTHYN | WR ....... Records receipt of clothing assistance | 120-121 |
| ICSABS | WR ........ Child support assistance - locating a parent | 287-288 |
| ICSAGEN | WR ........ Source of help to obtain child support - CS agency | 280-280 |
| ICSAMT | WR ....... Amount of "other" assistance | 301-304 |
| ICSCAR | WR ....... Particular use of "other" assistance - Car expenses | 315-315 |
| ICSCHAR | WR ........ Source of other benefit- Community/religious charity | 296-296 |
| ICSCLOK | WR ........ Particular use of "other" assist- Clothes for child | 314-314 |
| ICSCLOS | WR ........ Particular use of "other" assist- clothes for you | 313-313 |
| ICSCOLL | WR ........ Child support assistance collecting child support | 291-292 |
| ICSCOURT | WR ........ Child support assistance obtaining court order | 289-290 |
| ICSEARL | WR ....... "Other" assistance amount reported earlier? | 307-308 |
| ICSELSE | WR ........ Source of "other" benefits- Someplace else | 298-298 |
| ICSELSEE | WR ........ Item WR69 DKs and Refusals | 299-300 |
| ICSFAM | WR ........ Source of other benefits- Family, friends | 297-297 |
| ICSFOOD | WR ........ Particular use of "other" assistance - Food | 312-312 |
| ICSGOV | WR ........ Source of "other" benefits- government agency | 295-295 |
| ICSNCASH | WR ....... Amount of "other" assistance - no cash value | 305-306 |
| ICSOTH | WR ........ Source of help for obtaining child support - other | 282-282 |
| ICSOTH2 | WR ....... Child support assistance other kind of help? | 293-294 |
| ICSOTHH | WR ........ Item WR66 DKs and Refusals | 283-284 |
| ICSOUSE | WR ....... Particular use of "other" assistance - Other | 316-316 |
| ICSOUSEE | WR ........ Item WR73 DKs and Refusals | 317-318 |
| ICSPART | WR ........ Use specified for "other" assistance? | 309-310 |
| ICSPAT | WR ........ Child support assistance - establishing paternity | 285-286 |
| ICSRENT | WR ....... Particular use of "other" assistance - rent | 311-311 |
| ICSUPHYN | WR ....... Talked with child supp/welf office for child support | 124-125 |
| ICSWELF | WR ........ Source of help to obtain child supp.- welfare office | 281-281 |
| IELIGMON | WR ....... Date AFDC ineligible- month | 399-400 |
| IELIGNUM | WR ........ Remaining months AFDC eligibility | 397-398 |
| IELIGYR | WR ....... Date AFDC ineligible- year | 401-404 |
| IFAGROC | WR ........ Type of food-related assist. rec'd bags of food | 230-231 |
| IFAMEAL | WR ........ Food-related assistance rec'd-meal from shelter | 232-233 |
| IFAOTH | WR ....... Type of food-related assistance received - other | 234-235 |
| IFAVOU | WR ........ Type of food-related assist. rec'd.-voucher/money | 228-229 |
| IFOODHYN | WR ........ Rec food assist not Food Stamps/WIC/school meals | 118-119 |
| IGASVYN | WR ....... Type of transportation assistance rec. - gas voucher | 174-175 |
| IHACHAR | WR ........ Source of non-Section 8 assist. charity | 255-255 |
| IHAGA ........ | WR ....... Source of Non-Section 8 assistance - gov agency | 253-253 |

## SIPP 2001 WAVE 8 WELFARE REFORM TOPICAL MODULE RESEARCH MICRODATA FILES

| Variable | Description | Position |
| :---: | :---: | :---: |
| IHAHOUS | WR ........ Source of non-Section 8 assist. - Housing authority | 254-254 |
| IHAOTH | WR ........ Source of non-Section 8 assistance - other | 256-256 |
| IHAOTHH | WR ........ Item WR58 DK's and Refusals | 257-258 |
| IHATYPE | WR ........ Type of housing assistance program received | 249-250 |
| IHATYPE2 | WR ....... Type of housing assistance program received | 251-252 |
| IHLPDK | WR ........ Item WR06B DK's and Refusals | 116-117 |
| IHLPHIRE | WR ........ Rec. welf/soc. ser assist w/hire, training, wages | 111-111 |
| IHLPTRAI | WR ........ Rec. welf/soc. ser assist w/hire, training, wages | 112-112 |
| IHLPWAGE | WR ........ Rec. welf/soc. ser assist w/hire, training, wages | 113-113 |
| IHOUSHYN | WR ........ House asst not pub house/gov rent asst/energy asst | 122-123 |
| IINCAFDC | WR ........ Gov't assistance inquired about - AFDC or ADC | 333-333 |
| IINCCAT | WR ....... Records total HH income in grouped increments | 105-106 |
| IINCEDUC | WR ........ Gov't asst. inquired about - Education or training | 342-342 |
| IINCENER | WR ........ Gov't asst. inquired about - Energy Assistance | 341-341 |
| IINCFS | WR ........ Gov't assistance inquired about - Food Stamps | 336-336 |
| IINCGA | WR ........ Gov't asst. inquired about - Gen'l Asst. Prgm | 334-334 |
| IINCMCD | WR ........ Gov't assistance inquired about - Medicaid | 337-337 |
| IINCMEAL | WR ........ Gov't asst. inquired about - School meals | 345-345 |
| IINCOTH | WR ........ Government assistance inquired about - Other | 346-346 |
| IINCOTHH | WR ........ Item WR104 DKs and Refusals | 347-348 |
| IINCPH | WR ........ Gov't asst. inquired about- Public Housing/Section 8 | 340-340 |
| IINCQCC | WR ........ Gov't asst. inquired about - Child care assistance | 343-343 |
| IINCSSI | WR ........ Gov't asst. inquired about - SSI | 335-335 |
| IINCTRAN | WR ........ Gov't asst inquired about- Transportation assistance | 344-344 |
| IINCUNEM | WR ........ Gov't asst inquired about- Unemployment Compensation | 339-339 |
| IINCWIC | WR ........ Government assistance inquired about - WIC | 338-338 |
| IINQCOMO | WR ........ Respondent inquiry about additional gov't assistance | 331-332 |
| IINQCOMP | WR ....... Respondent inquiry about government assistance | 329-330 |
| IJCOMPTR | WR ........ Was training completed? | 166-167 |
| IJHCLER | WR ........ Other clerical skills assistance | 148-149 |
| IJHCOL | WR ........ College degree/certificate assistance | 156-157 |
| IJHCOMP | WR ........ Computer training assistance | 146-147 |
| IJHDRES | WR ....... Dressing assistance | 142-143 |
| IJHENG | WR ........ English language assistance | 162-163 |
| IJHGED | WR ........ GED assistance | 154-155 |
| IJHINT | WR ........ Interviewing assistance | 140-141 |
| IJHJOBYN | WR ........ Did training/assistance lead to job? | 168-169 |
| IJHLIS | WR ....... Jobs listing assistance | 160-161 |
| IJHLIT | WR ....... Literacy training assistance | 158-159 |
| IJHMACH | WR ........ Machinery training assistance | 150-151 |
| IJHOJS | WR ........ Other specific job training assistance | 152-153 |
| IJHOTH | WR ........ Other training/job search assistance | 164-165 |
| IJHPAYYN | WR ........ Did respondent pay for education/training? | 170-171 |
| IJHRUSU | WR ........ Resume writing assistance | 138-139 |
| IJHSELF | WR ........ Self-esteem building assistance | 144-145 |
| IJOBHELP | WR ........ Did ... receive govt/social service help get job | 128-129 |
| IKDSTRTM | WR ....... Date of kid's own PA coverage- month | 417-418 |
| IKDSTRTY | WR ........ Date of kid's own PA coverage- year | 419-422 |
| IKIDCSRQ | WR ....... No AFDC- non/coop CS reqs. | 408-408 |
| IKIDDK | WR ........ Item WR119 DK's and Refusals | 415-416 |
| IKIDIMMI | WR ....... No AFDC- immigration status | 409-409 |
| IKIDINFO | WR ........ No AFDC- gave too little req. info. | 410-410 |
| IKIDLIMT .... | WR ........ No AFDC- exceeded time limit ...... | 413-413 |



| Variable | Description | Position |
| :---: | :---: | :---: |
| ITRAIHYN | WR ........ Rec. welf/soc. ser assist w/hire, training, wages | 114-115 |
| IVOUFAM | WR ........ Sources of food assistance received - family/friends | 238-238 |
| IVOUGA | WR ........ Sources of food assistance received - govt agency | 236-236 |
| IVOUHAR | WR ........ Sources of food assist. rec'd-charity | 237-237 |
| IVOUOTH | WR ........ Sources of food assistance received - someplace else | 239-239 |
| IVOUTHH | WR ........ Item WR50 DK's and Refusals | 240-241 |
| IWFCORE | WR ....... FR note - work for benefits/experience info in core? | 327-328 |
| IWFIND | WR ........ Type of private org using ...'s community service | 323-324 |
| IWFJOB | WR ........ Did work for benefits/experience lead to job? | 325-326 |
| IWFORG | WR ........ Function of govt. org. using ...'s community service | 321-322 |
| IWFTYPE | WR ........ Venue of community service | 319-320 |
| LGTKEY | PE ......... Person longitudinal key | 95-102 |
| RDESGPNT | PE ........ Designated parent or guardian flag | 91-92 |
| RFID | FA ......... Family ID Number in month four | 36-38 |
| RFID2 | FA ........ Family ID excluding related subfamily members | 39-41 |
| SHHADID | SU ......... Hhld Address ID in fourth reference month | 27-29 |
| SINTHHID | SU ......... Hhld Address ID of person in interview month | 30-32 |
| SPANEL | SU ......... Sample Code - Indicates Panel Year | 18-21 |
| SROTATON | SU ......... Rotation of data collection | 24-24 |
| SSUID | SU ......... Sample Unit Identifier | 6-17 |
| SSUSEQ | SU ......... Sequence Number of Sample Unit - Primary Sort Key | 1-5 |
| SWAVE | SU ......... Wave of data collection | 22-23 |
| TAGE | PE ......... Age as of last birthday | 72-73 |
| TFIPSST | SU ......... FIPS State Code for fifth month household | . 25-26 |
| WPFINWGT ....... | WW ....... Person weight ...... | . 60-69 |

## HOW TO USE THE DATA DICTIONARY

The Data Dictionary describes the file contents and provides locations for each variable (record layout of the public-use computer tape file.) The first line ("D" Line) of each data item description gives the variable name, size of the data field, and the begin position of that field. The components include a short mnemonic or field name for use with software packages; field size; starting position; and a description of field contents with possible values.

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 $\left({ }^{*}\right)$ are provided throughout for the rest of the dictionary components. Comments should be removed from the machine-readable version of the data dictionary before using it to help access the data file.

The first line of each data item description begins with the character "D" (left-justified, two characters). The " D " flag indicates lines in the data dictionary containing the name, size and begin position of each data item. The second line of each data item description begins with the character "T" (left-justified, two characters). The "T" flag indicates lines in the data dictionary containing the category code and short description of the variable. 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 RNOTAKE 2 813
T LF: Reason coul dn't start job
            Why coul dn't ... have started a job?
U All persons 15+ at the end of the
    reference peri od who were unable to start
    a job during weeks on Iayoff or looking
    for work.
    EPOPSTAT = 1 and RTAKJ OB = 2
V
V - 1. Waiting for a new job to begin
V 2. Own temporary ill ness
V 3.School
V 4.Other
```


D RRRSN 21218
Gl : Reason for recei pt of Railroad
ement pay
For what reason or reasons did..
recei ve Rail road Retirement pay during
the ref erence peri od? 1 SS Code 2
U All persons 15 to 69 who recei ve
sability income and/or persons 15+ at
the end of the reference period who
recei ve retirement i ncome and/ or survi vor
benef its.
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1 . Di sability
2. Ret i rement
. Sur vi or
4 . Di sability and reti rement
. Di sability and survi vor
. Ret i rement and survi vor
Disability, retirement, and
. No payment recei ved

## SURVEY OF INCOME AND PROGRAM PARTICIPATION, 2001 PANEL WAVE 8 WELFARE REFORM TOPICAL MODULE RESEARCH FILE DATA DICTIONARY



| DATA | TA SIZE BEGIN |
| :---: | :---: |
| $\stackrel{V}{V}$ $\stackrel{V}{V}$ $V$ $V$ | 49 : Utah <br> - virginia <br> : Washington <br> - West virginia <br> : Wisconsin <br> : North' D akota, South Dakota, <br> :wyoming |
| $\underset{V}{\cup A 1}$ | SHHADID ${ }^{3}{ }^{3}{ }^{27}{ }^{27}$ in fourth reference month Housthold Address ID sample PSU, segment, serjal, serial an originat sample households's. spawned from ID in a specific wave should never be All greater than (WAVE* $10+9$ ). persons. Household Address ID |
| $\begin{aligned} & \text { D SIN } \mathrm{SIN} \\ & \text { ST } \\ & \text { mor } \end{aligned}$ <br> V | SINTHHID ${ }^{3}{ }^{3}$ adress ID ${ }^{30}$ of person in interview Address id of this person at time of interyiew (fifth moth). Address id in a speciflc wave should never be greater than <br>  11:99 : Househot in Address ID |
|  |  |
|  | 201. |
| V | 203 . Comp partial- missing data; no |
| V | 207 : Complete partial - TYPE-Z; no |
| V | 213 : TYPE-A, language probl |
| V | A, no one hoye |
| V | YPE-A, temporar1 |
| V | 234 :TYPE-A, other eoccupied (specify) |
| v | 248 :TYPE-c, oth |
| v | hn |
| $\stackrel{V}{V}$ | 251 : TYPE-C, moved out of country |
| V | 253 : TYPE-C, on active duty in Armed |
| V | 254 : TYPE-C, no one over age 15 years |
| v | 255 :TYPE-C, no wave 1 persons |
|  |  |
| V | 261 :TYPE-D, moved win U.S. but |
| V | 262 :Merged with another SIPP household |
| v | 271 : mp ${ }^{\text {far area }}$ no |
| V | 271 : Mover same fr new address located in |
| V | 280 : Newly spawned case outside fr's <br> .area |
| D RFID Famjly ID Number in month four Fanly ly number may be used to identify aurthrseferencemonth of a qiven wave. This id is used for primary families, unrenated subamidies, primary and ind subfanilies have the primary famity ID in $\cup$ U11 persons 120 . Family ID number |  |
| D RFID2 ${ }^{\text {FA }}$ : Family ID excluding related subfamily members <br> Famîly ID number excluding members of |  |


| SIZE BEGI |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| related subfamilies. pefined as of the fourth reference month of a given wave. Thjs ID is used for a 11 persons except related subtami 1 y members. <br> U A11 persons except those in related subfamilie (excTudes persons with ESFTYPE <br> 1:120 : Famity ID number |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { D EPPIDX } \\ & \text { T PE: Person index } \end{aligned}$ |  |  |  |  |  |  |  |
| Person index This fiefd differentiates persons within the sample unit. Person index is unique within the sample unit and |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { U A17 wave. } \mathrm{V} \text { pens } 1: 999 \text {. Person index } \end{aligned}$ |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| D T EENTAID P : Address ${ }^{3}$ ID of ${ }^{4}$ h 1 d where person entered sampledress ID of the household that this person belonged to at the time this person yirst became part of the sample. Address ID in a specific waye should never be <br> U A17 greater than (WAVE * $10+9$ ). |  |  |  |  |  |  |  |
| D EPPPNUM 4 4 48 <br> Person number. This field differentiates persons within the sample unit. person humber is unique withih the sample unit across ail waves of a panet. Person number for a specifjc wave sihoutd never be greater than (WAVE * $100+99$ ). |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |
| D EPOPSTAT ${ }^{\text {D }}{ }^{1}{ }^{52}$. ref month <br> Population status. This field identifies whether or not a person was eligible to be <br> asked a fuli, set of questions based on hisher age in the fourth month of the <br> U All persons reference period. <br> $\stackrel{\vee}{V} \quad \frac{1}{2}$. Adul V th (Under 15 years of age or older) |  |  |  |  |  |  |  |
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| ```D EPPMIS4 PE: Person's.4th month intervjew status Person's interview status for month 4 UAll persons V N 2 :Non-interview``` |  |  |  |  |  |  |  |
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DATA SIZE BEGIN



DATA SIZE BEGIN

SIZE BEGIN
























# SOURCE AND ACCURACY STATEMENT <br> for the 2001 Public Use Files from the <br> Survey of Income and Program Participation ${ }^{1}$ 

## SOURCE OF DATA

The data were collected in the 2001 panel of the Survey of Income and Program Participation (SIPP). The population represented (the population universe) in the 2001 SIPP is the civilian noninstitutionalized population living in the United States. The institutionalized population, which is excluded from the population universe, is composed primarily of the population in correctional institutions and nursing homes ( 91 percent of the 4.1 million institutionalized people in Census 2000). 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 2001 panel of the SIPP sample is located in 322 Primary Sampling Units (PSUs), each consisting of a county or a group of contiguous counties. Within these PSUs, living quarters (LQs) were systematically selected from lists of addresses prepared for the 1990 decennial census to form the bulk of the sample. To account for LQs built within each of the sample areas after the 1990 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 do not issue building permits or have incomplete addresses, we systematically sampled expected clusters of four LQs which were listed by field personnel and then subsampled in the field. In addition, we selected sample LQs from a supplemental frame that included LQs identified as missed in the 1990 census.

Sample households within a given panel are divided into four random subsamples of nearly equal size. These subsamples are called rotation groups 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 3 years beginning in February 2001. 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.
In Wave 1, we fielded a sample consisting of 88 reduction groups ( 88 comparable representative subsamples) which resulted in an average sampling interval of approximately 2,420 housing units. In this wave, we obtained interviews from occupants of about 35,100 of the 40,500 eligible living quarters. We

1 For questions or further assistance with the information provided in this document contact Jennifer A. Guarino of the Demographic Statistical Methods Division on (301) 763-6445 or via the e-mail using jennifer.a.guarino@census.gov.
found most of the remaining 15,400 living quarters in the panel to be vacant, demolished, converted to nonresidential use, or otherwise ineligible for the survey. However, we did not interview approximately 5,400 of the 15,400 living quarters in the panel because the occupants, (1) refused to be interviewed, (2) could not be found at home, (3) were temporarily absent, or (4) were otherwise unavailable. Thus, occupants of about 87 percent of all eligible living quarters participated in the first interview of the panel.

Due to budget constraint, we cut the sample in Wave 2 by 13 reduction groups which resulted in an average sampling interval of approximately 2,840 housing units. We did not cut the sample in the remaining waves (Wave 3 to Wave 9). For interviews in Wave 2 to Wave 9, only original sample persons (those in Wave 1 sample households which survived the sample cut in Wave 2 and interviewed in Wave 1) and persons living with them were eligible to be interviewed. We followed original sample persons if they moved to a new address, unless the new address was more than 100 miles from a SIPP sample area. Then, we attempted telephone interviews. Based on these follow-up criteria, we interviewed about 28,100 living quarters of the approximately 30,500 eligible living quarters for Wave 2, about 27,500 living quarters of the approximately 30,900 eligible living quarters for Wave 3 , about 27,200 living quarters of the approximately 31,100 eligible living quarters for Wave 4 , about 26,800 living quarters of the approximately 31,300 eligible living quarters for Wave 5 , about 26,600 living quarters of the approximately 31,400 eligible living quarters for Wave 6 , about 26,500 living quarters of the approximately 31,500 eligible living quarters for Wave 7 , about 26,000 living quarters of the approximately 31,600 eligible living quarters for Wave 8 , about 25,500 living quarters of the approximately 31,700 eligible living quarters for Wave 9. In each of these waves, we did not interview some of the eligible living quarters because the occupants either directly or indirectly refused our interview in the same manner described for Wave 1 or moved to an unknown address. The rates of noninterviewed living quarters due to direct or indirect refusal were $6.2 \%$ for Wave 2, $8.4 \%$ for Wave 3, $9.5 \%$ for Wave $4,10.9 \%$ for Wave $5,11.6 \%$ for Wave $6,12.3 \%$ for Wave $7,13.3 \%$ for Wave 8 , and $14.7 \%$ for Wave 9. The rates of non-interviewed living quarters due to moving to an unknown address were $1.7 \%$ for Wave 2, $2.7 \%$ for Wave $3,3.2 \%$ for Wave $4,3.6 \%$ for Wave $5,3.7 \%$ for Wave $6,3.8 \%$ for Wave 7, $4.5 \%$ for Wave 8, and $4.8 \%$ for Wave 9.

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 2001 panel topical modules are given in Table 1.

Table 2 indicates the reference months and interview months for the collection of data from each rotation group for the 2001 panel. For example, Wave 1 rotation group 1 of the 2001 panel was interviewed in February 2001 and data for the reference months October 2000 through January 2001 were collected. This source and accuracy statement can also be accessed through the U.S. Census Bureau website at "http://www.sipp.census.gov/sipp/sourceac/S\&A01_w1tow9_cross_puf.pdf."

Estimation. We used several stages of weight adjustments in the estimation procedure to derive the SIPP cross-sectional person level weights. We gave each person a base weight (BW) equal to the inverse of probability of selection of a person's household. We applied two noninterview adjustment factors. One factor adjusted the weights of interviewed persons in interviewed households to account for households which were eligible for the sample but which field representatives could not interview at the first interview $\left(\mathrm{F}_{\mathrm{N}_{1}}\right)$. The second factor compensated for person noninterviews occurring in subsequent interviews ( $\mathrm{F}_{\mathrm{N} 2}$ ). We used a Duplication Control Factor (DCF) which adjusts for subsampling done in
the field when the number of sample units is much larger than expected. We applied a Mover's Weight (MW), which adjusts for persons in the SIPP universe who move into sample households after Wave 1. The last factor applied is the Second Stage Adjustment Factor ( $\mathrm{F}_{2 \mathrm{~s}}$ ). This factor adjusts estimates to population controls and causes husbands' and wives' weights to be equal. See the next section on population controls for more information on how they are obtained.

Population Controls. This survey's estimation procedure adjusts weighted sample results to agree with independently derived population estimates of the civilian noninstitutional population of the United States. We control to independent population estimates in an attempt to reduce our mean square error by partially correcting for undercoverage. To obtain the controls, we take the CPS weights and do a "March type" family equalization. That is, we assign wives' weights to husbands and then proportionally adjust the weights of persons by month, rotation group, race, sex, age, and by the marital and family status of householders. Using these weights with CPS data, the controls for SIPP are obtained. These are prepared annually to agree with the most current set of population estimates that are released as part of the Census Bureau's population estimates and projections program.

The population controls for the nation are distributed by demographic characteristics in two ways:

- age, sex, and race (Non Black, Black) and
- age, sex, and Hispanic origin.

The estimates begin with the latest decennial census as the base and incorporate the latest available information on births and deaths along with the latest estimates of net international migration.

The net international migration component in the population estimates includes a combination of:

- legal migration to the U.S.,
- emigration of foreign born and native people from the U.S.,
- net movement between the U.S. and Puerto Rico,
- estimates of temporary migration, and
- estimates of net residual foreign-born population, which include unauthorized migration.

Because the latest available information on these components lag the survey date, to develop the estimate for the survey date, it is necessary to make short-term projections of these components. The final cross-sectional weight is $\mathbf{F w}_{\mathbf{c}}=\mathbf{B W} \mathbf{X C F} \mathbf{x} \mathbf{F}_{\mathbf{n} \mathbf{1}} \mathbf{X} \mathbf{F}_{\mathbf{2 s}}$ for Wave 1 and is $\mathbf{F w}_{\mathbf{c}}=\mathbf{I W} \times \mathbf{F}_{\mathrm{n} 2} \times \mathbf{F}_{2 \mathrm{~s}}$ for Waves 2+, where IW is either BW $\mathbf{x D C F} \times \mathbf{F}_{\mathrm{n} 1}$ or MW. James (1995) and Siegel (1995a) describe SIPP cross-sectional weighting in greater detail.

Researchers both inside and outside the Census Bureau conducted evaluations of SIPP weighting methodology and researched alternative methodologies. Several improvements to SIPP weighting methods were implemented beginning with the 1996 panel. They are described below.

- We dropped the first stage factor $\left(\mathrm{F}_{1 \mathrm{~s}}\right)$ from cross-sectional weighting. This factor adjusted for differences between the Census count of population and an estimate of that count based on Census data for sample PSUs. James (1994) found that it did not reduce variance as was previously believed. Jabine, et al (1990) describe the first stage factor used in earlier panels.
- We are using additional variables in nonresponse adjustment. We added high/low poverty stratum code to the Wave 1 nonresponse adjustment, and we added household income, geographic division, and number of imputations for selected income and asset items to the nonresponse adjustment for Waves $2+$. Research by Rizzo, et al (1994) and by Folsom and Witt (1994) pointed out the potential of the latter three variables in reducing nonresponse bias.
- We redefined nonresponse adjustment cells for Waves 2+ weighting. We formed the nonresponse cells by successively partitioning data from five panels by whichever variable most reduced the bias of the household income to poverty threshold ratio. We used data from a sixth panel to evaluate the results. We calculated the nonresponse bias of six variables at Waves 2 and 7 for both the new cells and the original cells using initial weights and data from the most recent interview in the calculations. The new cells had lower bias for five of the six variables (Siegel, 1995b).

Research was conducted on a number of promising weighting improvements. Allen and Petroni (1994) reported on an adjustment for mover attrition. Folsom and Witt (1994) and Rizzo, et al (1994) studied alternative nonresponse adjustments using response propensity models. Each study computed weights using an alternative methodology. The researchers then compared estimates of various items to benchmarks. The benchmarks came from administrative records and survey data with less nonresponse than the SIPP. The comparisons did not provide strong evidence of lower bias using the alternative weighting methods.

## Additional Methodology

Use of Weights. Each household and each person within each household, on each core wave file has four weights. These four 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.

Example, using the proper weights, one can estimate the monthly average number of households in a specified income range over November and December 2001. To estimate monthly averages of a given measure (such as, total, mean) over a number of consecutive months, sum the monthly estimates and divide by the number of months.

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 2000 data is only available from rotations 1, 2, and 3 for Wave 1 of the 2001 panel (See Table 2), so a factor of $4 / 3$ must be applied.

When estimates for months with less than four rotations worth of data are constructed from a wave file, factors greater than 1 must be applied, as above. 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 core wave files contain no weight for characteristics that involve a persons's or household's status over two or more months (such as, number of households with a 50 percent increase in income between December 2000 and January 2001).

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 may not be state representative due to the nature of the sample design. Therefore, estimates for individual states are not recommended. The state codes on the file are primarily of use in linking respondent characteristics with appropriate contextual variables (for example, state-specific welfare criteria) and for tabulating data by user-defined groupings of states.

## 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 effect in data analyses.

Nonsampling Error. Nonsampling errors can be attributed to many sources:

- 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, 1998 SIPP Working Paper Number 230, issued May 1999.

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 non-Blacks. Ratio estimation (second stage weight adjustment) 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 been adjusted for undercoverage in the Census.

A common measure of survey coverage is the coverage ratio, the estimated population before ratio adjustment divided by the independent population control. The Table below shows SIPP coverage ratios for age-sex-race groups for one month-February 2001 prior to the weighting adjustment. The SIPP coverage ratios exhibit some variability from month to month, but these are a typical set of coverage ratios. Other Census Bureau household surveys (like the Current Population Survey) experience similar coverage.

Comparability with Other Estimates. Caution should be exercised when comparing data from this with data from other SIPP products 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 discussions.

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.

## SIPP Coverage Ratios for February 2001

Age by Non-Black/Black Status and Sex

## Non-Black <br> Black

| Age | M | F | M | F |
| :---: | :---: | :---: | :---: | :---: |
| 15 | 0.9175 | 1.1235 | 0.7044 | 0.7749 |
| 16-17 | 0.8640 | 0.9289 | 0.8826 | 0.9433 |
| 18-19 | 0.8620 | 0.8647 | 0.8274 | 0.8339 |
| 20-21 | 0.8848 | 0.8041 | 0.6255 | 0.9596 |
| 22-24 | 0.7859 | 0.8692 | 0.5857 | 0.6705 |
| 25-29 | 0.8022 | 0.8254 | 0.8504 | 0.8386 |
| 30-34 | 0.8721 | 0.9063 | 0.8792 | 0.7991 |
| 35-39 | 0.9212 | 0.9855 | 0.7119 | 0.8982 |
| 40-44 | 0.9058 | 0.9321 | 0.8059 | 0.9653 |
| 45-49 | 0.9009 | 0.9761 | 0.6856 | 0.7758 |
| 50-54 | 0.9667 | 0.9181 | 0.8993 | 1.2103 |
| 60-61 | 0.8405 | 0.8961 | 1.0210 | 0.9877 |
| 62-64 | 0.9866 | 1.0698 | 0.9914 | 0.9618 |
| 65-69 | 0.9304 | 0.9423 | 1.0646 | 0.7759 |
| 70-74 | 0.8836 | 0.9362 | 0.7896 | 1.3338 |
| 75-79 | 0.8952 | 1.0046 | -------- | 0.9104 |
| 80-84 | 0.8974 | 0.9651 | -------- | -------- |
| 85+ | 0.9558 | 0.9669 | -------- | ------- |

## 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 $\mathrm{S}_{\text {DIFF }}$. If $X_{A}-X_{B}$ is between -1.6 times $\mathrm{S}_{\text {DIFF }}$ and +1.6 times $\mathrm{S}_{\text {DIFF }}$, 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 $\mathrm{S}_{D I F F}$ or larger than +1.6 times $\mathrm{S}_{\text {DIFF }}$, 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 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.

Calculating Standard Errors for SIPP Estimates. There are three main ways we calculate the Standard Errors for SIPP Estimates. They are as follows:

- Replicate Weighting Methods,
- Generalized Variance parameters (denoted as $a$ and $b$ ),
- $\quad$ Simplified tables using the $a$ and $b$ parameters.

SIPP uses the Replicate Weighting Method to produce Generalized Variance parameters. Using the Generalized Variance parameters, we create simplified tables.

Standard Error Parameters and Tables and Their Use. Most SIPP estimates have greater standard errors than those obtained through a simple random sample because PSUs are sampled and clusters of living quarters are sampled for the SIPP in the area and new construction frames. 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 by characteristics at the person level and characteristics of households (including unrelated persons). Two parameters (denoted $a$ and $b$ ) were computed for each characteristic in order to approximate the standard error behavior. These $a$ and $b$ parameters vary according to wave and characteristic as well as the demographic subgroup of the group to which the estimate applies. Because the actual standard error behavior was not identical for all characteristics and groups, the standard errors computed using these parameters provide an indication of the order of magnitude of the standard error estimate for a specific group. Table 3 provides tables of base $a$ and $b$ parameters by wave to be used for the 2001 panel estimates. There are four sets of parameters in Table 3: the first set of parameters per item is given to be used for calculations based on persons or households interviewed during Wave 1 the second set is for Waves 2 and 3, the third set is for Wave 4 to Wave 6, and the fourth set is for Wave 7 to Wave 9. Table 9 provides the base generalized variance a and b parameters for calculating 2001 topical module variances.

Table 2 lists the reference months for each interview month. Use Table 4 (if needed) to select the adjustment factor appropriate to the wave. Multiply this factor by the $a$ and $b$ base parameters of Table 3 to produce $a$ and $b$ parameters for the variance estimate for a specific subgroup and reference period. For example, the base $a$ and $b$ parameters for total number of households are -0.00003286 and 3546, respectively. Using Table 4 for Wave 1, the factor for November 2000 is 2 since only 2 rotation months of data are available. So the $a$ and $b$ parameters for the variance estimate of a white household characteristic in November 2000 based on Wave 1 are $-0.00003286 \times 2=-0.00006572$ and $3546 \times 2=$ 7,092, respectively.

Similarly, the factor for the last quarter of 2000 is 1.8519 (Table 4) since the only data available are the 6 rotation months from Wave 1 (namely, as indicated in Table 2, rotation 1 provides three rotation months, rotation 2 provides two rotation months, and rotation 3 provides one rotation month of data.) So the $a$ and $b$ parameters for the variance estimate of a white household characteristic in the last quarter of 2000 are $-0.00003286 \times 1.8519=-0.00006085$ and $3546 \times 1.8519=6,567$, respectively.

The $a$ and $b$ parameters may be used to calculate the standard error for estimated numbers and percentages. Because the actual standard error behavior was not identical for all estimates within a group, the standard errors computed from these parameters provide an indication of the order of magnitude of the standard error for any specific estimate. Methods for using these parameters for computation of
approximate standard errors are given in the following sections.
For those users who wish further simplification, we have also provided base standard errors for estimates of total and estimates of percentages in Tables 5 through 8. Note that these base standard errors only apply when data from all four rotations are used and must be adjusted by an f factor provided in Table 3. 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.

The procedures described below 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.

Variance stratum codes and half sample codes are included on the tapes (data sets) to enable the user to compute the variances directly and more accurately 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 (formula 2) 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

$$
\begin{equation*}
S_{x}=f s \tag{1}
\end{equation*}
$$

where $f$ is the appropriate $f$ factor from Table 3, and $s$ is the base standard error on the estimate obtained by interpolation from Table 5 or 6 . Alternatively, $s_{x}$ may be approximated by the formula

$$
\begin{equation*}
s_{x}=\sqrt{a x^{2}+b x} \tag{2}
\end{equation*}
$$

from which the base standard errors in Tables 7 and 8 were calculated. Here $x$ is the size of the estimate and $a$ and $b$ are the parameters from Table 4 which are associated with the characteristic being estimated (and the wave which applies). Use of formula 2 will generally provide more accurate results than the use of formula 1 .

## Illustration.

Suppose SIPP estimates based on Wave 1 of the 2001 panel show that there were 1,700,000 black households with monthly household income above $\$ 4,000$ in January 2001. The appropriate parameters and factor from Table 3 and the appropriate general standard error from Table 5 are

$$
a=-0.00019168 \quad b=2,495 \quad f=0.84 \quad s=76,800
$$

Using formula 1 , the approximate standard error is

$$
s_{x}=(0.84)(76,800)=64,512
$$

Using formula 2, the approximate standard error is

$$
\sqrt{(-0.00019168)(1,700,000)^{2}+(2,495)(1,700,000)}=60,725
$$

Using the standard error based on formula 2, the approximate 90 -percent confidence interval as shown by the data is from $1,600,107$ to $1,799,893$. 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.

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

$$
\begin{equation*}
s_{\bar{x}}=\sqrt{\left(\frac{b}{y}\right) s^{2}} \tag{3}
\end{equation*}
$$

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 $Z_{j-l}<x_{i} \leq Z_{j}$.

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

$$
\begin{equation*}
s^{2}=\sum_{j=1}^{c} p_{j} m_{j}^{2}-\bar{x}^{2} \tag{4}
\end{equation*}
$$

where $p_{j}$ is the estimated proportion of units in group $j$, and $m_{j}=\left(Z_{j-1}+Z_{j}\right) / 2$. The most representative value of the item in group $j$ is assumed to be $m_{j}$. If group "c" is open-ended, or there is no upper interval boundary exists, then an approximate value for $m_{c}$ is

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

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

$$
\bar{x}=\sum_{j=1}^{c} p_{j} m_{j}
$$

In the second method, the estimated population mean, $\bar{x}$, and variance, $s^{2}$ are given by

$$
\begin{align*}
& \bar{x}=\frac{\sum_{i=1}^{n} w_{i} x_{i}}{\sum_{i=1}^{n} w_{i}} \\
& s^{2}=\frac{\sum_{i=1}^{n} w_{i} x_{i}^{2}}{\sum_{i=1}^{n} w_{i}}-\bar{x}^{2}, \tag{5}
\end{align*}
$$

where there are $n$ units with the item of interest and $w_{\mathrm{i}}$ is the final weight for unit " I ". (Note that $\sum \mathrm{w}_{\mathrm{i}}=\mathrm{y}$ in formula 3.)

## 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 2001 is given in Table 10.

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

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

Using formula 3 and the appropriate base $b$ parameter from Table 3, the estimated standard error of a mean $\bar{X}$ is

$$
s_{\bar{x}}=\sqrt{\left(\frac{4,263}{39,851,000}\right)(3,159,887)}=\$ 18.39
$$

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

$$
\begin{equation*}
s_{x}=\sqrt{(b)(y) s^{2}} \tag{6}
\end{equation*}
$$

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

$$
\begin{equation*}
s_{(x, p)}=f s \tag{7}
\end{equation*}
$$

when data from all four rotations are used to estimate $p$.

In this formula, $f$ is the appropriate $f$ factor from Table 3 (for the appropriate wave) and $s$ is the base standard error of the estimate from Table 7 or 8.

Alternatively, it may be approximated by the formula

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

from which the standard errors in Tables 7 and 8 were calculated. Here $x$ is the size of the subclass of social units which is the base of the percentage, $p$ is the percentage $(0<\mathrm{p}<100)$, 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 2001, 6.7 percent of the $16,812,000$ persons in nonfarm households with a mean monthly household cash income of $\$ 4,000$ to $\$ 4,999$, were black. Using formula 8 and the $b$ parameter of 4,475 from Table 3 and a factor of 1 for the month of January 2001 from Table 4, the approximate standard error is

$$
\sqrt{\frac{4,475}{(16,812,000)}(6.7)(100-6.7)}=0.41 \text { percent }
$$

Consequently, the 90 percent confidence interval as shown by these data is from 6.03 to 7.37 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:

$$
\mathrm{p}_{\mathrm{I}}=100\left(\mathrm{X}_{\mathrm{A}} / \mathrm{X}_{\mathrm{N}}\right)
$$

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

$$
\mathrm{p}_{\mathrm{I}}=100\left(\hat{\mathrm{p}}_{\mathrm{A}} \overline{\mathrm{X}}_{\mathrm{A}} / \overline{\mathrm{X}}_{\mathrm{N}}\right)
$$

where $x_{A}$ and $x_{N}$ are aggregate money figures, $\overline{\mathrm{x}}_{\mathrm{A}}$ and $\overline{\mathrm{x}}_{\mathrm{N}}$ are mean money figures, and $\hat{\mathrm{p}}_{\mathrm{A}}$ is the estimated number in group A divided by the estimated number in group $N$. In either case, we estimate the standard error as

$$
\begin{equation*}
s_{I}=\sqrt{\left(\frac{\hat{p}_{A} \bar{x}_{A}}{\bar{x}_{\mathrm{N}}}\right)^{2}\left[\left(\frac{s_{p}}{\hat{p}_{A}}\right)^{2}+\left(\frac{s_{A}}{\bar{x}_{A}}\right)^{2}+\left(\frac{s_{B}}{\bar{x}_{\mathrm{X}}}\right)^{2}\right]} \tag{9}
\end{equation*}
$$

where $s_{p}$ is the standard error of $\hat{\mathrm{p}}_{\mathrm{A}}, s_{A}$ is the standard error of $\overline{\mathrm{x}}_{\mathrm{A}}$ and $s_{B}$ is the standard error of $\overline{\mathrm{x}}_{\mathrm{N}}$. To calculate $s_{p}$, use formula 8. The standard errors of $\overline{\mathrm{x}}_{\mathrm{N}}$ and $\overline{\mathrm{x}}_{\mathrm{A}}$ may be calculated using formula 3.

It should be noted that there is frequently some correlation between $\hat{\mathrm{p}}_{\mathrm{A}}, \overline{\mathrm{x}}_{\mathrm{N}}$, and $\overline{\mathrm{x}}_{\mathrm{A}}$. Depending on the magnitude and sign of the correlations, the standard error will be over or underestimated.

## Illustration.

Suppose that in January 2001, 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 0.19 $\%, \$ 5799$, and $\$ 2867$, respectively. 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

$$
\begin{aligned}
& \quad s_{I}=\sqrt{\left(\frac{(0.098)(72121)}{78734}\right)^{2}\left[\left(\frac{0.0019}{0.098}\right)^{2}+\left(\frac{5799}{72121}\right)^{2}+\left(\frac{2867}{78734}\right)^{2}\right]} \\
& =0.008=0.8 \%
\end{aligned}
$$

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

$$
\begin{equation*}
s_{(x-y)}=\sqrt{s_{x}^{2}+s_{y}^{2}} \tag{10}
\end{equation*}
$$

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 2001 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 3 and formula 2, the standard errors of these numbers are approximately 115,689 and 105,029 , respectively. The difference in sample estimates is 567,000 and using formula 10 , the approximate standard error of the difference is

$$
\sqrt{(115,689)^{2}+(105,029)^{2}}=156,253
$$

Suppose that it is desired to test at the 10 percent significance level whether the number of persons with monthly cash income of $\$ 4,000$ to $\$ 4,999$ was different for persons age $35-44$ years than for persons age 25-34 years. To perform the test, compare the difference of 567,000 to the product $1.645 \times$ $156,253=257,036$. Since the difference is greater than 1.645 times the standard error of the difference, the data show that the two age groups are significantly different at the 10 percent significance level.

Standard Error of a Median. The median quantity of some item such as income for a given group of persons, families, or households is that quantity such that at least half the group have as much or more and at least half the group have as much or less. The sampling variability of an estimated median depends upon the form of the distribution of the item as well as the size of the group. 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 68percent 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

$$
\begin{equation*}
X_{p N}=\exp \left[\left(\operatorname{Ln}\left(\frac{\mathrm{pN}}{\mathrm{~N}_{1}}\right) / \operatorname{Ln}\left(\frac{\mathrm{N}_{2}}{\mathrm{~N}_{1}}\right)\right) \operatorname{Ln}\left(\frac{\mathrm{A}_{2}}{\mathrm{~A}_{1}}\right)\right] \mathrm{A}_{1} \tag{11}
\end{equation*}
$$

if Pareto Interpolation is indicated and

$$
\begin{equation*}
X_{p N}=\left[\frac{P N-N_{1}}{N_{2}-N_{1}} \quad\left(A_{2}-A_{1}\right)+A_{1}\right] \tag{12}
\end{equation*}
$$

if linear interpolation is indicated, where

| $N$ | is the size of the group, |
| :--- | :--- |
| $A_{1}$ and $A_{2}$ | are the lower and upper bounds, respectively, of the interval in which $\mathrm{X}_{\mathrm{pN}}$ <br> falls |
| $N_{1}$ and $N_{2}$ | are the estimated number of group members owning more than $\mathrm{A}_{1}$ and <br> $\mathrm{A}_{2}$, respectively |
| $\exp$ | refers to the exponential function and |
| $L n$ | refers to the natural logarithm function |

## Illustration.

To illustrate the calculations for the sampling error on a median, we return to Table 10, and suppose that the income tabulated for this group is for January 2001. The median monthly income for this group is $\$ 2,158$ in January 2001. The size of the group is $39,851,000$.

1. Using formula 8 (with $b=4,263$ for Wave 1 ), the standard error of 50 percent on a base of $39,851,000$ is about 0.5 percentage points.
2. Following step 2, the two percentages of interest are 49.5 and 50.5 .
3. By examining Table 10, we see that the percentage 49.5 falls in the income interval from 2000 to 2499 . (Since $55.5 \%$ receive more than $\$ 2,000$ per month, the dollar value corresponding to 49.5 must be between $\$ 2,000$ and $\$ 2,500$ ). Thus, $A_{1}=\$ 2,000, A_{2}=\$ 2,500, N_{l}=22,106,000$, and $N_{2}=16,307,000$.

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

$$
\$ 2,000 \exp \left[\left(\operatorname{Ln}\left(\frac{(.495)(39,851,000)}{22,106,000}\right) / \operatorname{Ln}\left(\frac{16,307,000}{22,106,000}\right)\right) \operatorname{Ln}\left(\frac{2,500}{2,000}\right)\right]=\$ 2174
$$

Also by examining Table 10, we see that 50.5 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

$$
\$ 2,000 \exp \left[\left(\operatorname{Ln}\left(\frac{(.505)(39,851,000)}{22,106,000}\right) / \operatorname{Ln}\left(\frac{16,307,000}{22,106,000}\right)\right) \operatorname{Ln}\left(\frac{2,500}{2,000}\right)\right]=\$ 2142
$$

Thus, the 68 -percent confidence interval on the estimated median is from $\$ 2142$ to $\$ 2174$. An approximate standard error is

$$
\frac{\$ 2174-\$ 2142}{2}=\$ 16
$$

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

$$
\begin{equation*}
s_{\frac{x}{y}}=\sqrt{\left(\frac{x}{y}\right)^{2}\left[\left(\frac{s_{y}}{y}\right)^{2}+\left(\frac{s_{x}}{x}\right)^{2}\right]} \tag{13}
\end{equation*}
$$

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.

Standard Errors Using SAS or SPSS. Standard errors and their associated variance, calculated by SAS or SPSS statistical software package, do not accurately reflect the SIPP's complex sample design. Erroneous conclusions will result if these standard errors are used directly. We provide adjustment factors by characteristics that should be used to correctly compensate for likely under-estimates. The factors called DEFF available in Table 3, must be applied to SAS or SPSS generated variances. The square root of DEFF can be directly applied to similarly generated standard errors. These factors approximate design effects which adjust statistical measures for sample designs more complex than simple random sample.

Table 1-2001 Panel Topical Modules

| $\begin{aligned} & \mathrm{W} \\ & 1 \end{aligned}$ | - Recipiency History <br> - Employment History | W6 | - Assets, Liabilities, Eligibility <br> - Medical Expenses/Health Care Usage <br> - Work-related Expenses <br> - Child Support Paid <br> - Child Care Poverty |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { W } \\ & 2 \end{aligned}$ | - Work Disability <br> - Education \& Training History <br> - Marital History <br> - Migration History <br> - Fertility <br> - Household Relationships | W7 | - Annual Income \& Retirement Accounts <br> - Taxes <br> - Retirement \& Pension Plan <br> - Home Health Care <br> - Child Well-Being |
| $\begin{aligned} & \text { W } \\ & 3 \end{aligned}$ | - Assets, Liabilities, Eligibility <br> - Medical Expenses/Health Care Usage <br> - Work-related Expenses <br> - Child Support Paid <br> - Child Care Poverty | W8 | - Adult Well-Being <br> - Child Support Agreements <br> - Support for Non-household members <br> - Functional Limitations/DisabilitiesAdult <br> - Functional Limitations/DisabilitiesChild <br> - Welfare Reform |
| $\begin{aligned} & \text { W } \\ & 4 \end{aligned}$ | - Annual Income \& Retirement Accounts <br> - Taxes <br> - Work Schedule <br> - Child Care | W9 | - Assets, Liabilities, Eligibility <br> - Medical Expenses/Health Care Usage <br> - Work-related Expenses <br> - Child Support Paid <br> - Child Care Poverty |
| $\begin{aligned} & \text { W } \\ & 5 \end{aligned}$ | - School Enrollment \& Financing <br> - Child Support Agreements <br> - Support for Non-household members <br> - Functional Limitations/Disabilities-Adult <br> - Functional Limitations/Disabilities-Child <br> - Employer-Provided Health Benefits |  |  |

Table 2 - SIPP Panel 2001 Reference Months (horizontal) for Each Interview Month (vertical)

| Month of Wave/Rotation |  | 2000 |  | 2001 |  |  |  |  |  |  |  |  | 2002 |  |  |  |  |  |  | 2003 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{\|c\|} \hline 4^{\text {th }} \text { Quarter } \\ \text { Oct Nov Dec } \end{array}$ |  | $\begin{array}{\|c\|} \hline 1^{\text {st }} \text { Quarter } \\ \text { Jan Feb Mar } \\ \hline \end{array}$ |  |  | $\begin{gathered} \mathbf{2}^{\text {nd }} \text { Quarter } \\ \text { Apr May Jun } \end{gathered}$ |  |  | $\begin{array}{\|c\|} \hline 4^{\text {th }} \text { Quarter } \\ \text { Oct } \\ \text { Nov Dec } \\ \hline \end{array}$ |  |  | $\begin{array}{c\|} \hline \mathbf{1}^{\text {st }} \text { Quarter } \\ \text { Jan Feb Mar } \\ \hline \end{array}$ |  | $\begin{gathered} 2^{\text {nd }} \text { Quarter } \\ \text { Apr May Jun } \end{gathered}$ | $\begin{gathered} 3^{\text {rd }} \text { Quarter } \\ \text { July Aug Spt } \end{gathered}$ | $\begin{array}{\|c\|} \hline 4^{\text {th }} \text { Quarter } \\ \text { Oct Nov Dec } \end{array}$ |  |  | $\begin{array}{\|c\|} \hline 1^{\text {st }} \text { Quarter } \\ \text { Jan } \\ \hline \end{array}$ |  | $\begin{gathered} \mathbf{2}^{\text {nd }} \text { Quarter } \\ \text { Apr May Jun } \end{gathered}$ | $\begin{gathered} 3^{\text {rd }} \text { Quarter } \\ \text { July Aug Spt } \end{gathered}$ |  | $\begin{array}{\|c\|\|} \hline 4^{\text {th }} \text { Quarter } \\ \text { Oct Nov Dec } \\ \hline \end{array}$ |  |  |
| Feb 01 | 1/1 | 12 | 3 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mar | 1/2 | 1 | 2 | 3 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Apr | 1/3 |  | 1 | 2 | 3 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| May | 1/4 |  |  | 1 | 2 | 3 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jun | 2/1 |  |  |  |  | 2 | 34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| July | 2/2 |  |  |  |  | 1 | $2 \begin{array}{lll}2 & 3 & 4\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Aug | 2/3 |  |  |  |  |  | $1 \begin{array}{lll}1 & 2 & \end{array}$ | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sept | 2/4 |  |  |  |  |  | 12 | 3 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Oct | 3/1 |  |  |  |  |  | 1 | 2 | 34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nov | 3/2 |  |  |  |  |  |  | 1 | 23 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dec | 3/3 |  |  |  |  |  |  |  | 12 | 3 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Jan 02 | 3/4 |  |  |  |  |  |  |  | 1 | 2 | 3 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Feb | 4/1 |  |  |  |  |  |  |  |  | 1 | 2 | 3 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mar | 4/2 |  |  |  |  |  |  |  |  |  | 1 | 2 | 3 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Apr | 4/3 |  |  |  |  |  |  |  |  |  |  | 1 |  | 34 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| May | 4/4 |  |  |  |  |  |  |  |  |  |  |  | 1 | 23 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |
| Jun | 5/1 |  |  |  |  |  |  |  |  |  |  |  |  | 12 | 34 |  |  |  |  |  |  |  |  |  |  |  |  |
| July | 5/2 |  |  |  |  |  |  |  |  |  |  |  |  | 1 | $2 \begin{array}{lll}2 & 3 & 4\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Aug | 5/3 |  |  |  |  |  |  |  |  |  |  |  |  |  | $1 \begin{array}{lll}1 & 2 & 3\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Sept | 5/4 |  |  |  |  |  |  |  |  |  |  |  |  |  | $1 \quad 2$ | $3 \quad 4$ |  |  |  |  |  |  |  |  |  |  |  |
| Oct | 6/1 |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | $\begin{array}{llll}2 & 3 & 4\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |
| Nov | 6/2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $1 \begin{array}{lll}1 & 2 & 3\end{array}$ | 4 |  |  |  |  |  |  |  |  |  |  |
| Dec | 6/3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12 | 3 | 4 |  |  |  |  |  |  |  |  |  |
| Jan 03 | 6/4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2 | 3 | 4 |  |  |  |  |  |  |  |  |
| Feb | 7/1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2 | 3 | 4 |  |  |  |  |  |  |  |
| Mar | 7/2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2 | 3 |  |  |  |  |  |  |  |
| Apr | 7/3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  | 4 |  |  |  |  |  |  |
| May | $7 / 4$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 23 | 4 |  |  |  |  |  |
| Jun | 8/1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12 | 34 |  |  |  |  |  |
| July | 8/2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | $2 \begin{array}{lll}2 & 3 & 4\end{array}$ |  |  |  |  |  |
| Aug | 8/3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 123 | 4 |  |  |  |  |
| Sep | 8/4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12 | 3 | 4 |  |  |  |
| Oct | 9/1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2 | 34 |  |  |  |
| Nov | 9/2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 23 | 4 |  |  |
| Dec | 9/3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12 | 3 | 4 |  |
| Jan 04 | 9/4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2 | 3 | 4 |

Table $3^{2}$ - SIPP Panel 2001 - Indirect Generalized Variance Base Parameters for Wave 1

| Characteristics | Parameters |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| PERSONS | a | b | DEFF | f |
| Total or White |  |  |  |  |
| 16+ Poverty and Program Participation |  |  |  |  |
| Both Sexes | -0.00002444 | 5,342 | 2.21 | 0.87 |
| Male | -0.00005077 | 5,342 | 2.21 | 0.87 |
| Female | -0.00004712 | 5,342 | 2.21 | 0.87 |
| 16+ Income and Labor Force |  |  |  |  |
| Both Sexes | -0.00001950 | 4,263 | 1.76 | 0.78 |
| Male | -0.00004051 | 4,263 | 1.76 | 0.78 |
| Female | -0.00003760 | 4,263 | 1.76 | 0.78 |
| Other Person Items |  |  |  |  |
| Both Sexes | -0.00002511 | 7,002 | 2.89 | 1.00 |
| Male | -0.00005145 | 7,002 | 2.89 | 1.00 |
| Female | -0.00004903 | 7,002 | 2.89 | 1.00 |
| Black |  |  |  |  |
| Person Items |  |  |  |  |
| Both Sexes | -0.00012805 | 4,475 | 1.85 | 0.80 |
| Male | -0.00027985 | 4,475 | 1.85 | 0.80 |
| Female | -0.00023605 | 4,475 | 1.85 | 0.80 |
| Hispanic |  |  |  |  |
| Person Items |  |  |  |  |
| Both Sexes | -0.00019658 | 6,515 | 2.69 | 0.96 |
| Male | -0.00038425 | 6,515 | 2.69 | 0.96 |
| Female | -0.00040250 | 6,515 | 2.69 | 0.96 |
| HOUSEHOLDS |  |  |  |  |
| Total or White | -0.00003286 | 3,546 | 1.47 | 1.00 |
| Black | -0.00019168 | 2,495 | 1.03 | 0.84 |
| Hispanic | -0.00035803 | 3,323 | 1.37 | 0.97 |

${ }^{2}$ Use the "Total or White Other Person Items" parameters for (1) tabulations of people aged $0+$ in labor force, (2) retirement tabulations, (3) tabulations of Combined who are: aged $0+$ in program participation, benefits, and income, and (4) tabulation of characteristics not specifically specified in this table, for the total or white population.

Table 3 (Continued) - SIPP Panel 2001 - Indirect Generalized Variance Base Parameters for Wave 2 and Wave 3

| Characteristics | Parameters |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| PERSONS | a | b | DEFF | f |
| Total or White |  |  |  |  |
| 16+ Poverty and Program Participation |  |  |  |  |
| Both Sexes | -0.00003113 | 6,828 | 2.40 | 0.81 |
| Male | -0.00006469 | 6,828 | 2.40 | 0.81 |
| Female | -0.00006001 | 6,828 | 2.40 | 0.81 |
| 16+ Income and Labor Force |  |  |  |  |
| Both Sexes | -0.00002458 | 5,391 | 1.90 | 0.72 |
| Male | -0.00005108 | 5,391 | 1.90 | 0.72 |
| Female | -0.00004738 | 5,391 | 1.90 | 0.72 |
| Other Person Items |  |  |  |  |
| Both Sexes | -0.00003130 | 8,753 | 3.08 | 0.92 |
| Male | -0.00006415 | 8,753 | 3.08 | 0.92 |
| Female | -0.00006112 | 8,753 | 3.08 | 0.92 |
| Black |  |  |  |  |
| Person Items |  |  |  |  |
| Both Sexes | -0.00019935 | 7,002 | 2.47 | 0.82 |
| Male | -0.00043655 | 7,002 | 2.47 | 0.82 |
| Female | -0.00036690 | 7,002 | 2.47 | 0.82 |
| Hispanic |  |  |  |  |
| Person Items |  |  |  |  |
| Both Sexes | -0.00030514 | 10,371 | 3.65 | 1.00 |
| Male | -0.00059697 | 10,371 | 3.65 | 1.00 |
| Female | -0.00062417 | 10,371 | 3.65 | 1.00 |
| HOUSEHOLDS |  |  |  |  |
| Total or White | $-0.00003723$ | 4,028 | 1.42 | 0.93 |
| Black | -0.00028036 | 3,618 | 1.27 | 0.88 |
| Hispanic | -0.00047316 | 4,626 | 1.63 | 1.00 |

Table 3 (Continued) - SIPP Panel 2001 - Indirect Generalized Variance Base Parameters for Wave 4 to Wave 6

| Characteristics |  | Parameters |  |  |
| :---: | :---: | :---: | :---: | :---: |
| PERSONS | a | b | DEFF | f |
| Total or White |  |  |  |  |
| 16+ Poverty and Program Participation |  |  |  |  |
| Both Sexes | -0.00003417 | 7,517 | 2.65 | 0.84 |
| Male | -0.00007096 | 7,517 | 2.65 | 0.84 |
| Female | -0.00006591 | 7,517 | 2.65 | 0.84 |
| 16+ Income and Labor Force |  |  |  |  |
| Both Sexes | -0.00002684 | 5,905 | 2.08 | 0.75 |
| Male | -0.00005574 | 5,905 | 2.08 | 0.75 |
| Female | -0.00005178 | 5,905 | 2.08 | 0.75 |
| Other Person Items |  |  |  |  |
| Both Sexes | -0.00003322 | 9,359 | 3.30 | 0.94 |
| Male | -0.00006786 | 9,359 | 3.30 | 0.94 |
| Female | -0.00006506 | 9,359 | 3.30 | 0.94 |
| Black |  |  |  |  |
| Person Items |  |  |  |  |
| Both Sexes | -0.00020885 | 7,354 | 2.59 | 0.83 |
| Male | -0.00045725 | 7,354 | 2.59 | 0.83 |
| Female | -0.00038444 | 7,354 | 2.59 | 0.83 |
| Hispanic |  |  |  |  |
| Person Items |  |  |  |  |
| Both Sexes | -0.00029967 | 10,568 | 3.72 | 1.00 |
| Male | -0.00058335 | 10,568 | 3.72 | 1.00 |
| Female | -0.00061623 | 10,568 | 3.72 | 1.00 |
| HOUSEHOLDS |  |  |  |  |
| Total or White | -0.00003787 | 4,122 | 1.45 | 0.88 |
| Black | -0.00027786 | 3,789 | 1.33 | 0.84 |
| Hispanic | -0.00049604 | 5,322 | 1.87 | 1.00 |

Table 3 (Continued) - SIPP Panel 2001 - Indirect Generalized Variance Base Parameters for Wave 7 to Wave 9

| Characteristics |  | Parameters |  |  |
| :---: | :---: | :---: | :---: | :---: |
| PERSONS | a | b | DEFF | f |
| Total or White |  |  |  |  |
| 16+ Poverty and Program Participation |  |  |  |  |
| Both Sexes | -0.00003367 | 7,581 | 2.67 | 0.77 |
| Male | -0.00006944 | 7,581 | 2.67 | 0.77 |
| Female | -0.00006537 | 7,581 | 2.67 | 0.77 |
| 16+ Income and Labor Force |  |  |  |  |
| Both Sexes | -0.00002657 | 5,983 | 2.11 | 0.69 |
| Male | -0.00005480 | 5,983 | 2.11 | 0.69 |
| Female | -0.00005159 | 5,983 | 2.11 | 0.69 |
| Other Person Items |  |  |  |  |
| Both Sexes | -0.00003508 | 10,020 | 3.53 | 0.89 |
| Male | -0.00007151 | 10,020 | 3.53 | 0.89 |
| Female | -0.00006885 | 10,020 | 3.53 | 0.89 |
| Black |  |  |  |  |
| Person Items |  |  |  |  |
| Both Sexes | -0.00022157 | 7,953 | 2.80 | 0.79 |
| Male | -0.00048801 | 7,953 | 2.80 | 0.79 |
| Female | -0.00040583 | 7,953 | 2.80 | 0.79 |
| Hispanic |  |  |  |  |
| Person Items |  |  |  |  |
| Both Sexes | -0.00034664 | 12,746 | 4.49 | 1.00 |
| Male | -0.00067557 | 12,746 | 4.49 | 1.00 |
| Female | -0.00071195 | 12,746 | 4.49 | 1.00 |
| HOUSEHOLDS |  |  |  |  |
| Total or White | -0.00004011 | 4,502 | 1.59 | 0.85 |
| Black | -0.00030905 | 4,350 | 1.53 | 0.84 |
| Hispanic | -0.00055052 | 6,204 | 2.18 | 1.00 |

Table 4 - Factors to be Applied to Table 3 Base Parameters to Obtain Parameters for Various Reference Periods
Number of Available
Rotation Months ${ }^{3}$ Factor

## Monthly Estimate

1 4.0000
2 2.0000
3
1.3333
4
1.0000

## Quarterly Estimate

6 ..... 1.8519
8 ..... 1.4074

$$
1.2222
$$

10 ..... 1.04941.0370
121.0000

[^0]Table 5 - Base Standard Errors of Estimated Numbers (in thousands) of Households, Families, and Households of Unrelated Residents

| Size of Estimate | Base Standard <br> Error | Size of Estimate | Base Standard <br> Error |
| :---: | :---: | :---: | :---: |
| 200 | 27 | 25,000 | 264 |
| 300 | 33 | 30,000 | 281 |
| 500 | 42 | 40,000 | 303 |
| 750 | 52 | 50,000 | 314 |
| 1,000 | 60 | 60,000 | 314 |
| 2,000 | 84 | 70,000 | 303 |
| 3,000 | 103 | 75,000 | 293 |
| 5,000 | 131 | 80,000 | 280 |
| 7,500 | 159 | 90,000 | 242 |
| 10,000 | 181 | 100,000 | 180 |
| 15,000 | 216 | 105,000 | 129 |

Notes: (1) This table is developed based on Wave 1. To account for sample attrition, multiply the base standard error by a factor of 1.09 for estimates including data from Wave 2 and/or Wave 3, a factor of 1.13 for estimates including data from Wave3 and/or Wave 4 and/or Wave 6, and a factor of 1.17 for estimates including data from Wave 7 and/or Wave 8 and/or Wave 9.
(2) Multiply the base standard error in this table by an appropriate f factor provided in Table 3 to obtain the final standard error estimate.

Table 6 - Base Standard Errors of Estimated Numbers (in Thousands) of People

| Size of <br> Estimate | Base Standard <br> Errors | Size of <br> Estimate | Base Standard <br> Errors |
| :---: | :---: | :---: | :---: |
| 200 | 38 | 90,000 | 657 |
| 300 | 46 | 100,000 | 675 |
| 500 | 59 | 110,000 | 688 |
| 750 | 73 | 120,000 | 697 |
| 1,000 | 84 | 130,000 | 703 |
| 2,000 | 118 | 140,000 | 705 |
| 3,000 | 145 | 150,000 | 703 |
| 5,000 | 186 | 160,000 | 698 |
| 7,500 | 227 | 170,000 | 690 |
| 10,000 | 261 | 180,000 | 677 |
| 15,000 | 316 | 190,000 | 661 |
| 25,000 | 401 | 200,000 | 640 |
| 30,000 | 435 | 210,000 | 614 |
| 40,000 | 492 | 220,000 | 583 |
| 50,000 | 539 | 230,000 | 546 |
| 60,000 | 577 | 240,000 | 501 |
| 70,000 | 609 | 250,000 | 446 |
| 75,000 | 623 | 260,000 | 376 |
| 80,000 | 636 | 275,500 | 208 |

Notes: (1) This table is developed based on Wave 1. To account for sample attrition, multiply the base standard error by a factor of 1.09 for estimates including data from Wave 2 and/or Wave 3, a factor of 1.13 for estimates including data from Wave3 and/or Wave 4 and/or Wave 6, and a factor of 1.17 for estimates including data from Wave 7 and/or Wave 8 and/or Wave 9.
(2) Multiply the base standard error in this table by an appropriate $f$ factor provided in Table 3 to obtain the final standard error estimate.

Table 7 - Base Standard Errors of Estimated Percentages of Households, Families, and Households of Unrelated Residents

| Base of Estimated <br> Percentage <br> (in Thousands) | Estimated Percentages |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\leq \mathbf{1}$ or $\geq \mathbf{9 9}$ | $\mathbf{2 ~ o r ~ 9 8}$ | $\mathbf{5}$ or 95 | $\mathbf{1 0}$ or 90 | $\mathbf{2 5}$ or 75 | $\mathbf{5 0}$ |
| 200 | 1.34 | 1.88 | 2.93 | 4.03 | 5.82 | 6.72 |
| 300 | 1.09 | 1.54 | 2.39 | 3.29 | 4.75 | 5.49 |
| 500 | 0.85 | 1.19 | 1.85 | 2.55 | 3.68 | 4.25 |
| 750 | 0.69 | 0.97 | 1.51 | 2.08 | 3.00 | 3.47 |
| 1,000 | 0.60 | 0.84 | 1.31 | 1.80 | 2.60 | 3.00 |
| 2,000 | 0.42 | 0.59 | 0.93 | 1.27 | 1.84 | 2.12 |
| 3,000 | 0.35 | 0.49 | 0.76 | 1.04 | 1.50 | 1.73 |
| 5,000 | 0.27 | 0.38 | 0.59 | 0.81 | 1.16 | 1.34 |
| 7,500 | 0.22 | 0.31 | 0.48 | 0.66 | 0.95 | 1.10 |
| 10,000 | 0.19 | 0.27 | 0.41 | 0.57 | 0.82 | 0.95 |
| 15,000 | 0.15 | 0.22 | 0.34 | 0.47 | 0.67 | 0.78 |
| 25,000 | 0.12 | 0.17 | 0.26 | 0.36 | 0.52 | 0.60 |
| 30,000 | 0.11 | 0.15 | 0.24 | 0.33 | 0.48 | 0.55 |
| 40,000 | 0.09 | 0.13 | 0.21 | 0.29 | 0.41 | 0.48 |
| 50,000 | 0.08 | 0.12 | 0.19 | 0.25 | 0.37 | 0.42 |
| 60,000 | 0.08 | 0.11 | 0.17 | 0.23 | 0.34 | 0.39 |
| 70,000 | 0.07 | 0.10 | 0.16 | 0.22 | 0.31 | 0.36 |
| 75,000 | 0.07 | 0.10 | 0.15 | 0.21 | 0.30 | 0.35 |
| 80,000 | 0.07 | 0.09 | 0.15 | 0.20 | 0.29 | 0.34 |
| 90,000 | 0.06 | 0.09 | 0.14 | 0.19 | 0.27 | 0.32 |
| 10,000 | 0.06 | 0.08 | 0.13 | 0.18 | 0.26 | 0.30 |
| 105,000 | 0.06 | 0.08 | 0.13 | 0.18 | 0.25 | 0.29 |
|  |  |  |  |  |  |  |

Notes: (1) This table is developed based on Wave 1. To account for sample attrition, multiply the base standard error by a factor of 1.09 for estimates including data from Wave 2 and/or Wave 3, a factor of 1.13 for estimates including data from Wave3 and/or Wave 4 and/or Wave 6, and a factor of 1.17 for estimates including data from Wave 7 and/or Wave 8 and/or Wave 9..
(2) Multiply the base standard error in this table by an appropriate $f$ factor provided in Table 3 to obtain the final standard error estimate.

Table 8 - Base Standard Errors of Estimated Percentages of People

| Base of Estimated <br> Percentage <br> (in Thousands) | Estimated Percentages |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\leq \mathbf{1}$ or $\geq \mathbf{9 9}$ | $\mathbf{2}$ or 98 | $\mathbf{5}$ or 95 | $\mathbf{1 0}$ or 90 | $\mathbf{2 5}$ or 75 | $\mathbf{5 0}$ |
| 200 | 1.87 | 2.63 | 4.09 | 5.63 | 8.13 | 9.39 |
| 300 | 1.53 | 2.15 | 3.34 | 4.60 | 6.64 | 7.67 |
| 600 | 1.08 | 1.52 | 2.36 | 3.25 | 4.69 | 5.42 |
| 1,000 | 0.84 | 1.18 | 1.83 | 2.52 | 3.64 | 4.20 |
| 2,000 | 0.59 | 0.83 | 1.29 | 1.78 | 2.57 | 2.97 |
| 5,000 | 0.37 | 0.53 | 0.82 | 1.13 | 1.63 | 1.88 |
| 7,500 | 0.31 | 0.43 | 0.67 | 0.92 | 1.33 | 1.53 |
| 10,000 | 0.26 | 0.37 | 0.58 | 0.80 | 1.15 | 1.33 |
| 15,000 | 0.22 | 0.30 | 0.47 | 0.65 | 0.94 | 1.08 |
| 20,000 | 0.19 | 0.26 | 0.41 | 0.56 | 0.81 | 0.94 |
| 25,000 | 0.17 | 0.24 | 0.37 | 0.50 | 0.73 | 0.84 |
| 30,000 | 0.15 | 0.21 | 0.33 | 0.46 | 0.66 | 0.77 |
| 50,000 | 0.12 | 0.17 | 0.26 | 0.36 | 0.51 | 0.59 |
| 75,000 | 0.10 | 0.14 | 0.21 | 0.29 | 0.42 | 0.48 |
| 100,000 | 0.08 | 0.12 | 0.18 | 0.25 | 0.36 | 0.42 |
| 125,000 | 0.07 | 0.11 | 0.16 | 0.23 | 0.33 | 0.38 |
| 150,000 | 0.07 | 0.10 | 0.15 | 0.21 | 0.30 | 0.34 |
| 200,000 | 0.06 | 0.08 | 0.13 | 0.18 | 0.26 | 0.30 |
| 225,000 | 0.06 | 0.08 | 0.12 | 0.17 | 0.24 | 0.28 |
| 250,000 | 0.05 | 0.07 | 0.12 | 0.16 | 0.23 | 0.27 |
| 260,000 | 0.05 | 0.07 | 0.11 | 0.16 | 0.23 | 0.26 |
| 275,500 | 0.05 | 0.07 | 0.11 | 0.15 | 0.22 | 0.25 |

Notes: (1) This table is developed based on Wave 1. To account for sample attrition, multiply the base standard error by a factor of 1.09 for estimates including data from Wave 2 and/or Wave 3, a factor of 1.13 for estimates including data from Wave3 and/or Wave 4 and/or Wave 6, and a factor of 1.17 for estimates including data from Wave 7 and/or Wave 8 and/or Wave 9.
(2) Multiply the base standard error in this table by an appropriate f factor provided in Table 3 to obtain the final standard error estimate.

Table 9 - Topical Module Generalized Variance Parameters for the SIPP Panel 2001

## Characteristics

|  |  | a | b |
| :---: | :---: | :---: | :---: |
| Employment History, Wave 1 |  |  |  |
|  | Both Sexes 18+ | Males 18+ | -0.00001950 |
| -0.00004051 | 4,263 |  |  |
|  | Females 18+ | -0.00003760 | 4,263 |
|  |  | 4,263 |  |

Recipiency History, Wave 1
Both Sexes 18+
Males 18+
Females 18+
-0.00002444
-0.00005077
-0.00004712
5,342
Males $18+$
5,342
5,342
Fertility History, Wave 2
Women
-0.00003819
4,349
Births

Education Attainment, Wave 2

Marital Status and Person's Family
Characteristics, Wave 2

## Parameters

b

4,263
4,263
4,263
$-0.00002699$
5,923

## Child Support

Some Household Members
All Household Members
$-0.00004087$
-0.00003773
8,963
All Household Members

| Wave 5 | -0.00006353 | 7,283 |
| :--- | :--- | :--- |
| Wave 8 | -0.00007893 | 9,245 |

## Support for Non-Household Members

| Wave 5 | -0.00003295 | 7,283 |
| :--- | :--- | :--- |
| Wave 8 | -0.00004094 | 9,245 |

Health and Disability

| Wave 5 | -0.00003139 | 9,113 |
| :--- | :--- | :--- |
| Wave 8 | -0.00002892 | 8,446 |

## Characteristics

Child Care, Age 0 to 15, Wave 4

Welfare History and AFDC

## Parameters

| $\mathbf{a}$ | $\mathbf{b}$ |
| :---: | :--- |
| -0.00009227 | 6,437 |

6,437

| -0.00007451 | 15,858 |
| :--- | :--- |
| -0.00015497 | 15,858 |
| -0.00014375 | 15,858 |
| -0.00007804 | 16,849 |
| -0.00016172 | 16,849 |
| -0.00015088 | 16,849 |

## Assets and Liabilities

| Wave 3 | -0.00002722 | 5,980 |
| :--- | :--- | :--- |
| Wave 6 | -0.00002723 | 6,039 |
| Wave 9 | -0.00002943 | 6,637 |

Table 10 - Distribution of Monthly Cash Income Among People 25 to 34 Years Old (Not Actual Data and to Be Used for Only Calculation Illustrations)

|  | Interval of Monthly Cash Income |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Under \$300 | $\begin{gathered} \$ 300 \\ \text { to } \\ \$ 599 \end{gathered}$ | $\begin{gathered} \$ 600 \\ \text { to } \\ \$ 899 \end{gathered}$ | $\begin{gathered} \$ 900 \\ \text { to } \\ \$ 1,119 \end{gathered}$ | $\begin{gathered} \$ 1,200 \\ \text { to } \\ \$ 1,499 \end{gathered}$ | $\begin{gathered} \$ 1,500 \\ \text { to } \\ \$ 1,999 \end{gathered}$ | $\begin{gathered} \$ 2,000 \\ \text { to } \\ \$ 2,499 \end{gathered}$ | $\begin{gathered} \$ 2,500 \\ \text { to } \\ \$ 2,999 \end{gathered}$ | $\begin{gathered} \$ 3,000 \\ \text { to } \\ \$ 3,499 \end{gathered}$ | $\begin{gathered} \$ 3,500 \\ \text { to } \\ \$ 3,999 \end{gathered}$ | $\begin{gathered} \$ 4,000 \\ \text { to } \\ \$ 4,999 \end{gathered}$ | $\begin{gathered} \$ 5,000 \\ \text { to } \\ \$ 5,999 \end{gathered}$ | $\begin{gathered} \$ 6,000 \\ \text { and } \\ \text { Over } \end{gathered}$ |
| Number of People in Each Interval (in thousands) | 1,371 | 1,651 | 2,259 | 2,734 | 3,452 | 6,278 | 5,799 | 4,730 | 3,723 | 2,519 | 2,619 | 1,223 | 1,493 |
| Cumulative of People with at Least as Much as Lower Bound of Each Interval (in thousands) | $\begin{aligned} & 39,851 \\ & \text { (Total } \\ & \text { People) } \end{aligned}$ | 38,480 | 36,829 | 34,570 | 31,836 | 28,384 | 22,106 | 16,307 | 11,577 | 7,854 | 5,335 | 2,716 | 1,493 |
| Percent of People with at Least as Much as Lower Bound of Each Interval | 100 | 96.6 | 92.4 | 86.7 | 79.9 | 71.2 | 55.5 | 40.9 | 29.1 | 19.7 | 13.4 | 6.8 | 3.7 |

## CONTROL COUNTS

| Item Sc | ScFac | Total | NonNum | NegNum | Val-R | Val-D | Val-0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SSUSEQ | 3 | 67530 | 0 | 0 | 0 | 0 | 0 | 2301 | 2252 | 2189 | 2365 | 2394 | 2365 | 2403 | 2372 | 2228 | 2324 |
| SSUID | 0 | 67530 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SPANEL | 2 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SWAVE | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67530 | 0 |
| SROTATON | N 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 17027 | 17013 | 16640 | 16850 | 0 | 0 | 0 | 0 | 0 |
| TFIPSST | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 1061 | 174 | 0 | 1610 | 529 | 7826 | 0 | 738 | 822 |
| SHHADID | 1 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 49685 | 1573 | 2028 | 1966 | 2649 | 3112 | 2968 | 3549 | 0 |
| SINTHHID | D 1 | 67530 | 0 | 0 | 0 | 0 | 178 | 0 | 49523 | 1563 | 2014 | 1958 | 2643 | 3091 | 2924 | 3636 | 0 |
| EOUTCOME | E 1 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RFID | 1 | 67530 | 0 | 0 | 0 | 0 | 0 | 61622 | 5439 | 381 | 79 | 9 | 0 | 0 | 0 | 0 | 0 |
| RFID2 | 1 | 67530 | 0 | 2414 | 0 | 0 | 0 | 60019 | 4663 | 354 | 71 | 9 | 0 | 0 | 0 | 0 | 0 |
| EPPIDX | 1 | 67530 | 0 | 0 | 0 | 0 | 0 | 67154 | 365 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EENTAID | 1 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 63863 | 462 | 563 | 458 | 604 | 613 | 490 | 477 | 0 |
| EPPPNUM | 2 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 60277 | 1012 | 923 | 838 | 979 | 1174 | 1069 | 1258 | 0 |
| EPOPSTAT | T 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 52549 | 14981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EPPINTVW | W 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 29132 | 20619 | 2798 | 0 | 14981 | 0 | 0 | 0 | 0 |
| EPPMIS4 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ESEX | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 32354 | 35176 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ERACE | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 54741 | 9154 | 998 | 2637 | 0 | 0 | 0 | 0 | 0 |
| EORIGIN | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 280 | 686 | 4176 | 857 | 306 | 6247 | 179 | 3707 | 2103 |
| WPFINWGT | T 8 | 67530 | 0 | 0 | 0 | 0 | 0 | 67180 | 325 | 19 | 2 | 0 | 2 | 2 | 0 | 0 | 0 |
| ERRP | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 17869 | 8103 | 13231 | 21513 | 1430 | 657 | 605 | 1446 | 73 |
| TAGE | 0 | 67530 | 0 | 0 | 0 | 0 | 753 | 0 | 828 | 979 | 992 | 1032 | 1018 | 1024 | 974 | 991 | 1009 |
| EMS | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 27266 | 666 | 3630 | 5464 | 1164 | 29340 | 0 | 0 | 0 |
| EPNSPOUS | S 2 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 25705 | 219 | 205 | 189 | 234 | 255 | 200 | 259 | 0 |
| EPNMOM | 2 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 21482 | 170 | 185 | 144 | 155 | 203 | 162 | 204 | 0 |
| EPNDAD | 2 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 16091 | 166 | 155 | 128 | 146 | 143 | 133 | 166 | 0 |
| EPNGUARD | D 2 | 67530 | 0 | 47582 | 0 | 0 | 0 | 0 | 18796 | 142 | 138 | 115 | 125 | 166 | 122 | 165 | 0 |
| RDESGPNT | T 0 | 67530 | 0 | 14981 | 0 | 0 | 0 | 0 | 19004 | 33545 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EEDUCATE | E 0 | 67530 | 0 | 14981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ELGTKEY | 6 | 67530 | 0 | 0 | 0 | 0 | 0 | 1201 | 1401 | 1345 | 1273 | 1267 | 1357 | 1267 | 1265 | 1495 | 1360 |
| EAWRUNV | 0 | 67530 | 0 | 14981 | 0 | 0 | 0 | 0 | 52549 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCCAT | 0 | 67530 | 0 | 3555 | 0 | 0 | 43217 | 0 | 2235 | 3206 | 3100 | 2604 | 2042 | 7571 | 0 | 0 | 0 |
| IPAYN | 0 | 67530 | 0 | 1354 | 0 | 0 | 38441 | 0 | 72 | 27663 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPAYN2 | 0 | 67530 | 0 | 0 | 0 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IHLPHIRE | E 0 | 67530 | 0 | 0 | 0 | 0 | 67501 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IHLPTRAI | I 0 | 67530 | 0 | 0 | 0 | 0 | 67494 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IHLPWAGE | E 0 | 67530 | 0 | 0 | 0 | 0 | 67506 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ITRAIHYN | N 0 | 67530 | 0 | 108 | 0 | 0 | 60233 | 0 | 56 | 7133 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IHLPDK | 0 | 67530 | 0 | 2 | 0 | 0 | 67528 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IFOODHYN | N 0 | 67530 | 0 | 115 | 0 | 0 | 52179 | 0 | 549 | 14687 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICLOTHYN | N 0 | 67530 | 0 | 117 | 0 | 0 | 52182 | 0 | 103 | 15128 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IHOUSHYN | N 0 | 67530 | 0 | 104 | 0 | 0 | 53505 | 0 | 103 | 13818 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSUPHYN | N 0 | 67530 | 0 | 152 | 0 | 0 | 52237 | 0 | 208 | 14933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IOTHHYN | 0 | 67530 | 0 | 143 | 0 | 0 | 52182 | 0 | 111 | 15094 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJOBHELP | P 0 | 67530 | 0 | 59 | 0 | 0 | 60893 | 0 | 32 | 6546 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| IREQINC | 0 | 67530 | 0 | 75 | 0 | 0 | 64927 | 0 | 1337 | 1191 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREQCS | 0 | 67530 | 0 | 63 | 0 | 0 | 64927 | 0 | 46 | 2494 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREQPAT | 0 | 67530 | 0 | 17 | 0 | 0 | 66811 | 0 | 26 | 676 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREQDT | 0 | 67530 | 0 | 63 | 0 | 0 | 64927 | 0 | 80 | 2460 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHRUSU | 0 | 67530 | 0 | 4 | 0 | 0 | 67406 | 0 | 32 | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHINT | 0 | 67530 | 0 | 4 | 0 | 0 | 67406 | 0 | 35 | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHDRES | 0 | 67530 | 0 | 4 | 0 | 0 | 67406 | 0 | 30 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHSELF | 0 | 67530 | 0 | 5 | 0 | 0 | 67406 | 0 | 22 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHCOMP | 0 | 67530 | 0 | 4 | 0 | 0 | 67406 | 0 | 21 | 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHCLER | 0 | 67530 | 0 | 3 | 0 | 0 | 67406 | 0 | 16 | 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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| Item Sc | ScFac | Tota 1 | NonNum | NegNum | Val-R | Va1-D | Va1-0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
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| IJHMACH | 0 | 67530 | 0 | 4 | 0 | 0 | 67406 | 0 | 14 | 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHOJS | 0 | 67530 | 0 | 4 | 0 | 0 | 67406 | 0 | 19 | 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHGED | 0 | 67530 | 0 | 3 | 0 | 0 | 67441 | 0 | 9 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHCOL | 0 | 67530 | 0 | 3 | 0 | 0 | 67441 | 0 | 9 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHLIT | 0 | 67530 | 0 | 3 | 0 | 0 | 67406 | 0 | 1 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHLIS | 0 | 67530 | 0 | 4 | 0 | 0 | 67406 | 0 | 57 | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHENG | 0 | 67530 | 0 | 3 | 0 | 0 | 67406 | 0 | 2 | 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHOTH | 0 | 67530 | 0 | 4 | 0 | 0 | 67406 | 0 | 13 | 107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJCOMPTR | R 0 | 67530 | 0 | 0 | 0 | 0 | 67516 | 0 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHJOBYN | N 0 | 67530 | 0 | 0 | 0 | 0 | 67520 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IJHPAYYN | N 0 | 67530 | 0 | 3 | 0 | 0 | 67406 | 0 | 5 | 116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INUMPAY | 0 | 67530 | 0 | 5 | 0 | 0 | 67521 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IGASVYN | 0 | 67530 | 0 | 0 | 0 | 0 | 67490 | 0 | 9 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ITOKYN | 0 | 67530 | 0 | 0 | 0 | 0 | 67490 | 0 | 21 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICARYN | 0 | 67530 | 0 | 0 | 0 | 0 | 67490 | 0 | 2 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IRIDEYN | 0 | 67530 | 0 | 0 | 0 | 0 | 67490 | 0 | 8 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IOTHTYN | 0 | 67530 | 0 | 0 | 0 | 0 | 67490 | 0 | 2 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICCTYPE | 0 | 67530 | 0 | 2 | 0 | 0 | 67484 | 0 | 20 | 20 | 1 | 3 | 0 | 0 | 0 | 0 | 0 |
| ICCPAYYN | N 0 | 67530 | 0 | 2 | 0 | 0 | 67484 | 0 | 39 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICCEMPYN | N 0 | 67530 | 0 | 0 | 0 | 0 | 67484 | 0 | 2 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICCWHO | 0 | 67530 | 0 | 0 | 0 | 0 | 67528 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| ICCCOV01 | 12 | 67530 | 0 | 0 | 0 | 0 | 67491 | 0 | 29 | 1 | 0 | 2 | 1 | 0 | 3 | 3 | 0 |
| ICCCOV02 | 2 | 67530 | 0 | 0 | 0 | 0 | 67513 | 0 | 13 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 |
| ICCCOV03 | 2 | 67530 | 0 | 0 | 0 | 0 | 67525 | 0 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| ICCCOV04 | 4 | 67530 | 0 | 0 | 0 | 0 | 67529 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICCCOV05 | 5 | 67530 | 0 | 0 | 0 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICCCOV06 | 6 | 67530 | 0 | 0 | 0 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICCCOV07 | 72 | 67530 | 0 | 0 | 0 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICCREL | 0 | 67530 | 0 | 0 | 0 | 0 | 67491 | 0 | 9 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICCDAYC | 0 | 67530 | 0 | 0 | 0 | 0 | 67491 | 0 | 30 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICCSITT | 0 | 67530 | 0 | 0 | 0 | 0 | 67491 | 0 | 4 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICCAFT | 0 | 67530 | 0 | 0 | 0 | 0 | 67491 | 0 | 1 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IFAVOU | 0 | 67530 | 0 | 0 | 0 | 0 | 67252 | 0 | 123 | 155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IFAGROC | 0 | 67530 | 0 | 0 | 0 | 0 | 67252 | 0 | 139 | 139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IFAMEAL | 0 | 67530 | 0 | 0 | 0 | 0 | 67299 | 0 | 62 | 169 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IFAOTH | 0 | 67530 | 0 | 0 | 0 | 0 | 67318 | 0 | 43 | 169 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IVOUGA | 0 | 67530 | 0 | 0 | 0 | 0 | 67513 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IVOUHAR | 0 | 67530 | 0 | 0 | 0 | 0 | 67514 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IVOUFAM | 0 | 67530 | 0 | 0 | 0 | 0 | 67522 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IVOUOTH | 0 | 67530 | 0 | 0 | 0 | 0 | 67525 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IVOUTHH | 0 | 67530 | 0 | 0 | 0 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICAGA | 0 | 67530 | 0 | 0 | 0 | 0 | 67505 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICACHAR | 0 | 67530 | 0 | 0 | 0 | 0 | 67485 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICAFAM | 0 | 67530 | 0 | 0 | 0 | 0 | 67506 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICAEMP | 0 | 67530 | 0 | 0 | 0 | 0 | 67524 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICAOTH | 0 | 67530 | 0 | 0 | 0 | 0 | 67520 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICAOTHH | 0 | 67530 | 0 | 2 | 0 | 0 | 67528 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IHATYPE | 0 | 67530 | 0 | 6 | 0 | 0 | 66578 | 0 | 471 | 272 | 203 | 0 | 0 | 0 | 0 | 0 | 0 |
| IHATYPE2 | 20 | 67530 | 0 | 5 | 0 | 0 | 67425 | 0 | 20 | 25 | 18 | 37 | 0 | 0 | 0 | 0 | 0 |
| IHAGA | 0 | 67530 | 0 | 0 | 0 | 0 | 67400 | 0 | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |


| IHAHOUS | 0 | 67530 | 0 | 0 | 0 | 0 | 67221 | 0 | 309 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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| IHACHAR | 0 | 67530 | 0 | 0 | 0 | 0 | 67501 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IHAOTH | 0 | 67530 | 0 | 0 | 0 | 0 | 67457 | 0 | 73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IHAOTHH | 0 | 67530 | 0 | 38 | 0 | 0 | 67492 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHSC | 0 | 67530 | 0 | 0 | 0 | 0 | 67519 | 0 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHHM | 0 | 67530 | 0 | 3 | 0 | 0 | 67519 | 0 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |


| Item Sc |  | Tota 1 | NonNum | NegNum | Val-R | Val-D | Va1-0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
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| ICASHAMT | 2 | 67530 | 0 | 5 | 0 | 0 | 67519 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
| ICASHAL | 0 | 67530 | 0 | 0 | 0 | 0 | 67524 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHUSE | 0 | 67530 | 0 | 0 | 0 | 0 | 67524 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHREN | 0 | 67530 | 0 | 0 | 0 | 0 | 67527 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHFOO | 0 | 67530 | 0 | 0 | 0 | 0 | 67526 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHCS | 0 | 67530 | 0 | 0 | 0 | 0 | 67529 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHCK | 0 | 67530 | 0 | 0 | 0 | 0 | 67528 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHCAR | 0 | 67530 | 0 | 0 | 0 | 0 | 67529 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHOTH | 0 | 67530 | 0 | 0 | 0 | 0 | 67528 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHOHH | 0 | 67530 | 0 | 0 | 0 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSAGEN | 0 | 67530 | 0 | 0 | 0 | 0 | 67377 | 0 | 153 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSWELF | 0 | 67530 | 0 | 0 | 0 | 0 | 67486 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSOTH | 0 | 67530 | 0 | 0 | 0 | 0 | 67510 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSOTHH | 0 | 67530 | 0 | 3 | 0 | 0 | 67527 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSPAT | 0 | 67530 | 0 | 1 | 0 | 0 | 67322 | 0 | 13 | 194 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSABS | 0 | 67530 | 0 | 1 | 0 | 0 | 67322 | 0 | 37 | 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCOURT | 0 | 67530 | 0 | 1 | 0 | 0 | 67322 | 0 | 60 | 147 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCOLL | 0 | 67530 | 0 | 1 | 0 | 0 | 67322 | 0 | 148 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSOTH2 | 0 | 67530 | 0 | 2 | 0 | 0 | 67322 | 0 | 17 | 189 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSGOV | 0 | 67530 | 0 | 0 | 0 | 0 | 67461 | 0 | 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCHAR | 0 | 67530 | 0 | 0 | 0 | 0 | 67510 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSFAM | 0 | 67530 | 0 | 0 | 0 | 0 | 67516 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSELSE | 0 | 67530 | 0 | 0 | 0 | 0 | 67517 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSELSEE | 0 | 67530 | 0 | 2 | 0 | 0 | 67528 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSAMT | 2 | 67530 | 0 | 25 | 0 | 0 | 67426 | 30 | 7 | 3 | 7 | 2 | 4 | 3 | 0 | 4 | 2 |
| ICSNCASH | 0 | 67530 | 0 | 0 | 0 | 0 | 67523 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSEARL | 0 | 67530 | 0 | 2 | 0 | 0 | 67451 | 0 | 29 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSPART | 0 | 67530 | 0 | 1 | 0 | 0 | 67419 | 0 | 80 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSRENT | 0 | 67530 | 0 | 0 | 0 | 0 | 67515 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSFOOD | 0 | 67530 | 0 | 0 | 0 | 0 | 67510 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCLOS | 0 | 67530 | 0 | 0 | 0 | 0 | 67527 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCLOK | 0 | 67530 | 0 | 0 | 0 | 0 | 67528 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCAR | 0 | 67530 | 0 | 0 | 0 | 0 | 67523 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSOUSE | 0 | 67530 | 0 | 0 | 0 | 0 | 67472 | 0 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSOUSEE | 0 | 67530 | 0 | 0 | 0 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IWFTYPE | 0 | 67530 | 0 | 5 | 0 | 0 | 67484 | 0 | 22 | 9 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| IWFORG | 0 | 67530 | 0 | 1 | 0 | 0 | 67508 | 0 | 3 | 4 | 0 | 1 | 2 | 0 | 11 | 0 | 0 |
| IWFIND | 0 | 67530 | 0 | 5 | 0 | 0 | 67506 | 0 | 1 | 0 | 2 | 11 | 5 | 0 | 0 | 0 | 0 |
| IWFJOB | 0 | 67530 | 0 | 1 | 0 | 0 | 67525 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IWFCORE | 0 | 67530 | 0 | 0 | 0 | 0 | 67484 | 0 | 12 | 23 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINQCOMP | 0 | 67530 | 0 | 142 | 0 | 0 | 56762 | 0 | 259 | 10367 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINQCOMO | 0 | 67530 | 0 | 84 | 0 | 0 | 62949 | 0 | 335 | 4162 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCAFDC | 0 | 67530 | 0 | 0 | 0 | 0 | 67446 | 0 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCGA | 0 | 67530 | 0 | 0 | 0 | 0 | 67464 | 0 | 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCSSI | 0 | 67530 | 0 | 0 | 0 | 0 | 67451 | 0 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCFS | 0 | 67530 | 0 | 0 | 0 | 0 | 67316 | 0 | 214 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCMCD | 0 | 67530 | 0 | 0 | 0 | 0 | 67364 | 0 | 166 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCWIC | 0 | 67530 | 0 | 0 | 0 | 0 | 67515 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCUNEM | 0 | 67530 | 0 | 0 | 0 | 0 | 67511 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCPH | 0 | 67530 | 0 | 0 | 0 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |


| IINCENER | 0 | 67530 | 0 | 0 | 0 | 0 | 67445 | 0 | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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| IINCEDUC | 0 | 67530 | 0 | 0 | 0 | 0 | 67505 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCQCC | 0 | 67530 | 0 | 0 | 0 | 0 | 67508 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCTRAN | 0 | 67530 | 0 | 0 | 0 | 0 | 67519 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCMEAL | 0 | 67530 | 0 | 0 | 0 | 0 | 67514 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |


| Item Sc |  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
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| ICASHAMT | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHUSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHREN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHFOO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHCS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHCK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHCAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICASHOHH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSAGEN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSWELF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSOTHH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSPAT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSABS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCOURT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCOLL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSOTH2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSGOV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCHAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSFAM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSELSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSELSEE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSAMT | 2 | 2 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| ICSNCASH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSEARL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSPART | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSRENT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSFOOD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCLOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCLOK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSCAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSOUSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICSOUSEE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IWFTYPE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IWFORG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IWFIND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IWFJOB | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IWFCORE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINQCOMP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINQCOMO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCAFDC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCGA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCSSI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCFS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCMCD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCWIC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCUNEM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IINCPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |


| Item Sc |  | Total | NonNum | NegNum | Val-R | Val-D | Val-0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IINCOTHH | 0 | 67530 | 0 | 3 | 0 | 0 | 67527 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININLIMT | 0 | 67530 | 0 | 0 | 0 | 0 | 67029 | 0 | 501 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININDN | 0 | 67530 | 0 | 0 | 0 | 0 | 59657 | 0 | 7873 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININIMM | 0 | 67530 | 0 | 0 | 0 | 0 | 67215 | 0 | 315 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININELIG | 0 | 67530 | 0 | 0 | 0 | 0 | 66030 | 0 | 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININDK | 0 | 67530 | 0 | 0 | 0 | 0 | 66077 | 0 | 1453 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININHAS | 0 | 67530 | 0 | 0 | 0 | 0 | 67059 | 0 | 471 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININTRAN | 0 | 67530 | 0 | 0 | 0 | 0 | 67476 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININCHAR | 0 | 67530 | 0 | 0 | 0 | 0 | 67204 | 0 | 326 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININWORT | 0 | 67530 | 0 | 0 | 0 | 0 | 67404 | 0 | 126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININPLAN | 0 | 67530 | 0 | 0 | 0 | 0 | 67177 | 0 | 353 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININAVAI | 0 | 67530 | 0 | 0 | 0 | 0 | 67121 | 0 | 409 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININOTH | 0 | 67530 | 0 | 0 | 0 | 0 | 66903 | 0 | 627 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININOTHH | 0 | 67530 | 0 | 549 | 0 | 0 | 66981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPBREDYN | 0 | 67530 | 0 | 9 | 0 | 0 | 67221 | 0 | 34 | 266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDINCR | 0 | 67530 | 0 | 0 | 0 | 0 | 67506 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDWKRQ | 0 | 67530 | 0 | 0 | 0 | 0 | 67523 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDCSRQ | 0 | 67530 | 0 | 0 | 0 | 0 | 67528 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDINFO | 0 | 67530 | 0 | 0 | 0 | 0 | 67527 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDSIGN | 0 | 67530 | 0 | 0 | 0 | 0 | 67529 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDSSI | 0 | 67530 | 0 | 0 | 0 | 0 | 67527 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDLIMT | 0 | 67530 | 0 | 0 | 0 | 0 | 67521 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDOTH | 0 | 67530 | 0 | 0 | 0 | 0 | 67508 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDDK | 0 | 67530 | 0 | 2 | 0 | 0 | 67528 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPASTPUB | 0 | 67530 | 0 | 295 | 0 | 0 | 56398 | 0 | 476 | 10361 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPASTMON | 0 | 67530 | 0 | 274 | 0 | 0 | 67053 | 0 | 22 | 16 | 12 | 19 | 13 | 37 | 15 | 12 | 11 |
| IPASTYR | 2 | 67530 | 0 | 0 | 0 | 0 | 67054 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTLIMT | 0 | 67530 | 0 | 0 | 0 | 0 | 67506 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTWKRQ | 0 | 67530 | 0 | 0 | 0 | 0 | 67528 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTCSRQ | 0 | 67530 | 0 | 0 | 0 | 0 | 67530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTINFO | 0 | 67530 | 0 | 0 | 0 | 0 | 67523 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTBANK | 0 | 67530 | 0 | 0 | 0 | 0 | 67528 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTHIGH | 0 | 67530 | 0 | 0 | 0 | 0 | 67448 | 0 | 82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTMAX | 0 | 67530 | 0 | 0 | 0 | 0 | 67517 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTSIGN | 0 | 67530 | 0 | 0 | 0 | 0 | 67528 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTMARR | 0 | 67530 | 0 | 0 | 0 | 0 | 67524 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTNEED | 0 | 67530 | 0 | 0 | 0 | 0 | 67481 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTOLD | 0 | 67530 | 0 | 0 | 0 | 0 | 67511 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTOTH | 0 | 67530 | 0 | 0 | 0 | 0 | 67473 | 0 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTDK | 0 | 67530 | 0 | 10 | 0 | 0 | 67520 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IELIGNUM | 0 | 67530 | 0 | 3274 | 0 | 0 | 63272 | 0 | 532 | 79 | 37 | 19 | 13 | 54 | 9 | 5 | 31 |
| IELIGMON | 0 | 67530 | 0 | 3435 | 0 | 0 | 63474 | 0 | 202 | 41 | 15 | 19 | 27 | 75 | 50 | 56 | 39 |
| IELIGYR | 2 | 67530 | 0 | 3456 | 0 | 0 | 63474 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IALWAYCH | 0 | 67530 | 0 | 242 | 0 | 0 | 66571 | 0 | 251 | 466 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDWKRQ | 0 | 67530 | 0 | 0 | 0 | 0 | 67502 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDCSRQ | 0 | 67530 | 0 | 0 | 0 | 0 | 67522 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDIMMI | 0 | 67530 | 0 | 0 | 0 | 0 | 67461 | 0 | 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDINFO | 0 | 67530 | 0 | 0 | 0 | 0 | 67518 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDSIGN | 0 | 67530 | 0 | 0 | 0 | 0 | 67522 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDSSI | 0 | 67530 | 0 | 0 | 0 | 0 | 67501 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |


| IKIDLIMT | 0 | 67530 | 0 | 0 | 0 | 0 | 67490 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IKIDOTH | 0 | 67530 | 0 | 0 | 0 | 0 | 67172 | 0 | 358 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDDK | 0 | 67530 | 0 | 158 | 0 | 0 | 67372 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKDSTRTM | 0 | 67530 | 0 | 372 | 0 | 0 | 67064 | 0 | 29 | 11 | 3 | 4 | 3 | 14 | 5 | 6 | 5 |
| IKDSTRTY | 2 | 67530 | 0 | 354 | 0 | 0 | 67064 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FILLER | 0 | 67530 | 0 | 0 | 0 | 0 | 12931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



| IKIDLIMT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
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| 0 | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IKIDOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| IKIDKK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| IKDSTRTM | 0 | 4 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| IKDSTRTY | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |
| FILLER | 0 | 12075 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 82 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  | 0 | 0 | 0 | 11517 | 0 | 0 | 0 |  |  |  |


| Item S |  | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
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| IINCOTHH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININLIMT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININDN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININIMM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININELIG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININDK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININHAS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININTRAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININCHAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININWORT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININPLAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININAVAI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININOTHH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPBREDYN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDINCR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDWKRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDCSRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDINFO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDSIGN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDSSI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDLIMT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDDK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPASTPUB | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPASTMON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPASTYR | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTLIMT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTWKRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTCSRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTINFO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTBANK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTHIGH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTMAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTSIGN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTMARR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTNEED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTOLD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTDK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IELIGNUM | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 12 | 1 | 0 | 0 |
| IELIGMON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IELIGYR | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IALWAYCH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDWKRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDCSRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDIMMI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDINFO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDSIGN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDSSI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| IKIDLIMT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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| IKIDOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDDK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKDSTRTM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKDSTRTY | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FILLER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |


| Item Sc |  | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 |
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| IINCOTHH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININLIMT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININDN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININIMM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININELIG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININDK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININHAS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININTRAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININCHAR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININWORT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININPLAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININAVAI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ININOTHH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPBREDYN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDINCR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDWKRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDCSRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDINFO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDSIGN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDSSI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDLIMT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IREDDK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPASTPUB | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPASTMON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IPASTYR | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTLIMT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTWKRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTCSRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTINFO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTBANK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTHIGH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTMAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTSIGN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTMARR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTNEED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTOLD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INOTDK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IELIGNUM | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IELIGMON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IELIGYR | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IALWAYCH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDWKRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDCSRQ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDIMMI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDINFO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDSIGN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDSSI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| IKIDLIMT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDOTH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKIDDK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKDSTRTM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IKDSTRTY | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |
| FILLER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 0 |

## APPENDIX A

## 2001 SIPP WAVE 8 WELFARE REFORM TOPICAL MODULE RESEARCH FILE QUESTIONNAIRE

Which category represents your total income during the past 12 months? This includes money from jobs, net income from business, farm, or rent, pensions, dividends, interest, social security payments and any other money income received by you.
[1] LESS THAN \$10,000
[2] \$10,000 TO \$20,000
[3] \$20,000 TO \$30,000
[4] \$30,000 TO \$40,000
[5] \$40,000 TO \$50,000
[6] \$50,000 OR MORE
$>$ WR02<
Our next questions are about various types of assistance for persons in need.
Between [Reference month 1] 1st and today, other than benefits you already told me about, did you receive any type of assistance because you had income that was too low to meet your needs?
[1] Yes
[2] No
>WR03<

Just to be sure, this assistance could have come in any form, such as help getting a job, help improving your skills, help with child care, food assistance, etc. Did you get anything like that?
[1] Yes
[2] No
>WR06<
Did a welfare or social service agency give any of your employers money to cover all or part of your hiring, training, or wages?
[1] Yes
[2] No
$>$ WR06B $<$
What specifically was that for: HIRING, TRAINING, WAGES? Or more than one of these?
MARK ALL THAT APPLY
[1] Hiring
[2] Training
[3] Wages
>WR09<
Between [Reference month 1] 1st and today, did you receive any food assistance?
[1] Yes
[2] No
>WR10<
Since [Reference month 1] 1st, did you receive any clothing assistance or clothes, such as assistance to buy uniforms, work clothes, or school or winter clothes for children?
[1] Yes
[2] No
$>$ WR11<
At any time since [Reference month 1] 1st, did you receive any assistance to help pay for housing?
[1] Yes
[2] No
>WR13<
Even though you didn't receive any child support, since [Reference month 1] 1st, ] did you talk to or work with anyone from the child support or welfare office to try to obtain child support?
[1] Yes
[2] No
>WR14<

Since [Reference month 1] 1st did you receive any other assistance or benefits because you had income that was too low to meet your needs?
[1] Yes (What was that? $\qquad$ _)
[2] No
>WR15<

To get the job with (read above for name or names of employers), did you get any help from a government or social service agency?
[1] Yes
[2] No
>WR16<

Which of the following activities have you done since [Reference month 1] 1st either because the welfare or social service office required it for you to receive [List of assistance] or because you chose to do it?
[1] Yes [2] No
[1] Reported your income and any family or address changes on a regular basis?
[2] Worked in exchange for your benefits or to gain experience?
[3] Had test to establish the paternity of a child?
[4] Had drug testing?
$>$ WR23<
Since [Reference month 1] 1st, which of the following kinds of training or assistance did you receive:]

READ ALL RESPONSES (1) Yes (2) No
[1] Resume writing?
[2] Learning how to interview?
[3] Learning how to dress for work or an interview?
[4] Self-esteem building?
[5] Computer training?
[6] Other office clerical skills?
[7] Machinery training, such as using certain machines or tools?
[8] Any other specific job skills training?
[9] Work towards a high school diploma or GED?
[10] Work towards a college degree or certificate?
[11] Literacy training?
[12] Referrals to jobs or access to job listings?
[13] (At FR discretion) English as a second language, ESL instruction?
[14] Some other kind of training or education or job search help? (What was that?
>WR24<
Did any of that training or assistance actually lead to a job?
[1] Yes
[2] No
$>$ WR25<
Did you pay anything for the education, job search, or training you received since [Reference month 1] 1st?
[1] Yes
[2] No
>WR36<
You said that since [Reference month 1] 1st, your employer received [List of assistance] assistance to cover all or part of your hiring, training, or wages. Do you know if your employer received just a single payment or more than one payment?
[1] Single payment
[2] More than one

## >WR40<

You said that since [Reference month 1] 1st, you received transportation assistance. Did you receive....
[1] Yes [2] No
[1]Gas vouchers?
[2]Bus or subway tokens or passes?
[3]Help registering, repairing, or insuring a car?
[4]Rides to a doctor's office or medical appointment?
[5]Some other kind of transportation assistance? (What was that? $\qquad$
>WR43<
You said that since [Reference month 1] 1st, you received child care services or support. Did you pay part of the cost of the child care or did you receive FREE child care services?
[1] Paid part of the cost
[2] Free child care
[3] Neither
[4] Both
(What kind of child care services or support did you receive? $\qquad$
>WR44<
Did a government social service agency pay any of the cost of the child care since [Reference month 1] 1st?
[1] Yes
[2] No
>WR45<
Did an employer, a charity, a relative, or a friend help pay the cost of any of the child care since [Reference month 1] 1st?
[1] Yes
[2] No
>WR46<
What was that?
[1] An employer
[2] A charity
[3] A relative
[4] A friend
[5] Other (Who was that? $\qquad$
>WR47<
Which of your children were covered by the child care assistance through a government social service agency?

ENTER LINE NUMBER BELOW
>WR48<

Which of the following types of child care arrangements were paid for by the government social service agency since [Reference month 1] 1st:

## READ ALL RESPONSES (1) yes (2) No

[1] Care by a RELATIVE, including sisters, grandparents, etc?
[2]A child care provider or a day care center, outside your home, including a nursery or preschool?
[3]Care by a non-relative, such as a sitter or nanny?
[4]An after school program at school?
>WR49<
You said that since [Reference month 1] $1^{\text {st }}$, you received some food assistance, did you receive:
[1] Yes [2] No
[1] Money, vouchers, or certificates to buy groceries or food? Yes/No
[2] Bags of groceries or packaged foods? Yes/No
[3] Any meals from a shelter, soup kitchen, or charity? Yes/No
[4] Any other food assistance? (What was that? ___)

Did you get the grocery money, vouchers, or certificates through a government social service agency, through a community or religious charitable organization, through family or friends, or through someplace else?

MARK ALL THAT APPLY ENTER "N" AFTER LAST ENTRY
[1] Government agency
[2] Community or religious charity
[3] Family or friends
[4] Someplace else (What was that? $\qquad$ )
>WR54<

You said that you received clothing assistance or clothes since [Reference month 1] 1st. Did you get that through a government social service agency, through a community or religious charitable organization, through family or friends, through an employer, or through someplace else?

MARK ALL THAT APPLY ENTER "N" AFTER LAST ENTRY
[1] Government agency
[2] Community or religious charity
[3] Family or friends
[4] Employer
[5] Someplace else (What was that? $\qquad$ )
>WR56<

Earlier you said you are receiving housing assistance. Is this through Section 8, some other rental assistance program, or are you not sure?
[1] Section 8
[2] Other rental assistance
[3] Not sure/Don't know
$>$ WR57 $<$
Earlier you said that you received assistance to help pay for housing since [Reference month 1] 1st. Was that through Section 8, some other rental assistance program, some other kind of housing program, or are you not sure?
[1] Section 8
[2] Other rental assistance
[3] Other housing program
[4] Not sure/ Don't know
>WR58<
Did you get that through a government social service agency, through a local housing authority, through a community or religious charitable organization, or through someplace else?

MARK ALL THAT APPLY ENTER "N" AFTER LAST ENTRY
[1] Government agency
[2] Housing authority
[3] Community or religious charity
[4] Someplace else (What was that? $\qquad$ )
>WR59<

You said that since [Reference month 1] 1st you received short-term cash assistance to tide you over or to help you stay off welfare. Did you get that through a government social service agency, through family or friends, or through someplace else?
[1] Government agency
[2] Family or friends
[3] Someplace else (What was that? $\qquad$ )
$>$ WR61<
How many of those payments have you received since [Reference month 1] $1^{\text {st? }}$ ?
$\qquad$
$>$ WR62 $<$

And what is the total amount of the short-term cash assistance you have received since [Reference month 1] $1^{\text {st}}$ ? \$
$>$ WR63<
Did you already report this amount earlier in the interview?
[1] Yes
[2] No
$>$ WR65<
What was the money for - rent, food, clothes, car expenses, or something else?
MARK ALL THAT APPLY ENTER "N" AFTER LAST ENTRY
[1] Rent
[2] Food
[3] Clothes for self
[4] Clothes for kids
[5] Car expenses
[6] Other (What was that? $\qquad$
>WR66<

You said that since [Reference month 1] 1st, you talked to or worked with someone from the child support or welfare office to try to obtain child support-- was it the child support agency, the welfare office, or someplace else?

MARK ALL THAT APPLY ENTER "N" AFTER LAST ENTRY
[1] Child support agency
[2] Welfare office
[3] Someplace else (What was that? $\qquad$ )
>WR68<
What kind of assistance did you try to get? Was it -
[1] Yes
[2] No
[1] establishing paternity?
[2] locating an absent parent?
[3] obtaining a court order for child support?
[4] collecting child support?
[5]Or some other kind of help? (What was that? $\qquad$
>WR69<
You said that since [Reference month 1] 1st, you received: [List of assistance]
Did you get that through a government social service agency, through a community or religious charitable organization, through family or friends, or through someplace else?

MARK ALL THAT APPLY ENTER "N" AFTER LAST ENTRY
[1] Government agency
[2] Community or religious charity
[3] Family or friends
[4] Someplace else (What was that?___

## >WR70<

What is the total amount of that assistance you have received since [Reference month 1] 1st?
\$___ (What did you receive? $\qquad$
[1] No cash value
>WR71<
Did you already report this amount earlier in the interview?
[1] Yes
[2] No
$>$ WR72 $<$

Was the assistance for a particular use, or could you spend it on whatever you needed?
[1] Particular use
[2] Whatever was needed
>WR73<
What was the money for -- rent, food, clothes, car expenses, or something else?
MARK ALL THAT APPLY ENTER "N" AFTER LAST ENTRY
[1] Rent
[2] Food
[3] Clothes for self
[4] Clothes for kids
[5] Car expenses
[6] Other (What was that? $\qquad$
>WR81<
You said that you worked in an unpaid job or did community service or workfare since [Reference month 1] 1st. Was that at:
[1] A Government organization, including a public school or a government social service agency
[2] A private, for profit company
[3] Or a non-profit organization, including tax exempt and charitable organizations
>WR83<

## ASK OR VERIFY -

What is the main function or activity of the government organization that you worked for?
Was it mainly --
[1] Education
[2] Social Service
[3] Public Safety
[4] Recreation
[5] Health
[6] Religion
[7] Or something else? (What was that? $\qquad$
>WR84<
What kind of organization is this? What do they make or do there?
$\qquad$
>WR85<
ASK OR VERIFY -
Is it mainly --
[1] Manufacturing
[2] Wholesale Trade
[3] Retail Trade
[4] Service
[5] Or something else?
>WR86<
What kind of work did you do, that is, what was your occupation?
(Read if necessary: "For example bookkeeper, plumber, press operator...")
>WR87<
What were your usual activities or duties on this job?
(Read if necessary: "For example, keeping account books, repairing pipes, operating printing press...")
>WR88<
Did that work or exchange for your benefits or to gain experience actually lead to a regular, paying job?
[1] Yes
[2] No
>WR97<
FR NOTE: DID YOU ALSO COLLECT THE RESPONDENT'S WORK IN FOR EXCHANGE BENEFITS INFORMATION IN SIPP CORE (WHEN ASKING ABOUT JOBS HELD OR WORK DONE)?
[1] Yes
[2] No
[3] Not Sure
$>$ WR102<
I know you have not received any income assistance, but you may have looked into getting such assistance.

Since [Reference month 1] 1st, did you INQUIRE about or COMPLETE AN APPLICATION for ANY government assistance because you had income that was too low to meet your needs?
[1] Yes
[2] No

You reported some income assistance. The next questions are about whether you looked into getting any OTHER government assistance.

Since [Reference month 1] 1st, did you INQUIRE about or COMPLETE AN APPLICATION for ANY OTHER government assistance because you had income that was too low to meet your needs?
[1] Yes
[2] No
>WR104@15<
What was that?
>WR105<
Did you COMPLETE AN APPLICATION for any such additional government assistance since [Reference month 1] 1st?
[1] Yes
[2] No
$>$ WR108<
Why didn't you inquire about or complete an application for any assistance programs? Anything else?

DO NOT READ ANSWER CATEGORIES
MARK ALL THAT APPLY ENTER "N" AFTER LAST ENTRY
[1] Don't need any
[2] Not eligible because of immigration status
[3] Not eligible for some other reason
[4] Didn't know there was anything else/didn't know I could
[5] Too much run-around/couldn't get a straight answer/bureaucratic hassle
[6] No transportation to office
[7] Don't take charity/don't accept aid from the government
[8] The money is not worth it
[9] Haven't done it yet/plan to
[10] Some other reason
[11] No other assistance available

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>WR108@14<
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What is that reason?
$\qquad$
>WR113<

Earlier you said that since [Reference month 1] 1st, you received Public Assistance, also known as AFDC, TANF, or WORKFIRST. Have any of your payments been reduced, or have you been notified that any of your benefits are going to be reduced?
[1] Yes
[2] No
>WR114<

What reasons were given for your benefits being reduced? Anything else?

DO NOT READ ANSWER CATEGORIES
MARK ALL THAT APPLY
[1] Non-cooperation with work requirements
[2] Non-cooperation with child support requirements
[3] Did not provide all the information requested
[4] Refused to sign or failed to comply with signed individual responsibility plan
[5] Receiving SSI
[6] Exceeded time limit
[7] Income resources increased
[8] Other - Specify
$>$ WR115<
Earlier you said that since June 1st you have not received any Public Assistance such as AFDC, TANF, or WORKFIRST. Have you EVER received it in the past?
[1] Yes
[2] No
$>$ WR115B $<$
When was the last time you received AFDC, TANF or WORKFIRST?
$\qquad$ Month
$\qquad$ Year
>WR116<
What are the reasons you are CURRENTLY not receiving public assistance also known as AFDC, TANF, or WORKFIRST? Anything else?

DO NOT READ ANSWER CATEGORIES
MARK ALL THAT APPLY
[1] Non-cooperation with work requirements
[2] Non-cooperation with child support requirements
[3] Did not provide all the information requested
[4] Didn't want to use up time limit (banking eligibility)
[5] Income resources too high to qualify (including got a job, earnings increased)
[6] Exceeded time limit
[7] Refused to sign or failed to comply with signed individual responsibility plan
[8] Got married
[9] No longer needed
[10] Children got too old (aged out)
[11] Other - Specify
>WR117<
You told me that you received public assistance also known as AFDC, TANF, or WORKFIRST in the past.

How many more months are you eligible to receive public assistance?
$\qquad$ months
Or end date:
$\qquad$ month $\qquad$ year
>WR118<
Earlier you stated that your public assistance such as AFDC, TANF or WORKFIRST covers just the children in the household and not any adults.

Has it always been the case that only your children are covered by public assistance and not you?
[1] Yes
[2] No
>WR119<
What is the reason you are not covered by public assistance, such as AFDC, TANF or WORKFIRST?

DO NOT READ ANSWER CATEGORIES
MARK ALL THAT APPLY
[1] Non-cooperation with work requirements
[2] Non-cooperation with child support requirements
[3] Not eligible - immigration status
[4] Did not provide all the information requested
[5] Refused to sign or failed to comply with signed individual responsibility plan
[6] Receiving SSI
[7] Exceeded time limit
[8] Other - Specify
$>$ WR120<
When did your children start being covered by public assistance on their own?
$\qquad$ Month
$\qquad$ Year

End of Welfare Reform Topical Module

End of the Other Assets Topical Module

## APPENDIX B

## Working Papers

This appendix provides a list of SIPP Working Papers. These papers are available on the Census Bureau's Internet site http://www.census.gov

## Old New

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

## New

(8607)
(8608)

16 "Evaluation of Training Materials and Methods for the Survey of Income and Program Participation," M. HOLT (Survey Research Consultant)

17 "Patterns of Household Composition and Family Status Change," C. F. CITRO (ASA/Census Research Fellow), and H. W. WATTS (Department of Economics, Columbia University)

18 "Composite Estimation for SIPP:A Preliminary Report," R. P. CHAKRABARTY (Census Bureau)

19 "Longitudinal Household Concepts in SIPP: Preliminary Results," C. F. CITRO
"Longitudinal Household Concepts in SIPP: Preliminary Results," C. F. CITRO
(ASA/Census Research Fellow), D. J. HERNANDEZ, and R. A. HERRIOT (Census Bureau)
20 "Following Children in the Survey of Income and Program Participation," E. K. MCARTHUR, and K. S. SHORT (Census Bureau)

21 "SIPP Labor Force Transitions: Problems and Promises," P. RYSCAV AGE andK. S. SHORT (Census Bureau)

22 "Augmenting Data Reported in the Survey of Income and Program Participation with Administrative Record Data--A Brief Discussion," D. K. SATER (Census Bureau)

23 "Tracking Persons Over Time," A. C. JEAN and E. K. MCARTHUR (Census Bureau)

25 "Work Experience Data from SIPP," P. RYSCAVAGE and A. FELDMAN-HARKINS (Census Bureau)

26 "The Treatment of Person-Wave Nonresponse in Longitudinal Surveys," G. KALTON, J. LEPKOWSKI, S. HEERINGA, TING-KWONG LIN, and M. E. MILLER (Survey Research Center, University of Michigan)

27 "SIPP: Filling Data Gaps on the Poverty and Social Welfare Fronts," P. RYSCAVAGE (Census Bureau)

28 "Response Errors in Labor Surveys: Comparisons of Self and Proxy," D. HILL (University of Michigan)
"An Investigation of the Imputation of Monthly Earnings for the Survey of Income and Program Participation Using Regression Models," V. J. HUGGINS and L. WEIDMAN (Census Bureau)

24 "Preliminary Data from the SIPP 1983-84 Longitudinal Research File," J. F. CODER, D. BURKHEAD, A. FELDMAN-HARKINS, and J. MCNEIL (Census Bureau)
"Differences Between SIPP and Food and Nutrition Service Program Data on Child Nutrition and WIC Program Participation," L. KU and R. DALRYMPLE (Food and Nutrition Service, U.S. Department of Agriculture)
"Quality Profile for the Survey of Income and Program Participation," K. KING, R. PETRONI, and R. SINGH (Census Bureau)
(8709) 31 "Survey of Income and Program Participation (SIPP) Sample Loss and the Efforts to Reduce It," D. NELSON, C. BOWIE, and A. WALKER (Census Bureau)
"The Impact of Imputation Procedures on Distributional Characteristics of the Low Income Population," P. DOYLE (Mathematica Policy Research), and R. DALRYMPLE (Food and Nutrition Service, U.S. Department of Agriculture)
"Job Tenure, Lifetime Work Interruptions and Wage Differentials," J. MCNEIL, E. LAMAS (Census Bureau), and S. HABER (The George Washington University)

34 "Measuring the Bias in Gross Flows in the Presence of Auto-Correlated Response Errors," D. HUBBLE (Census Bureau), and D. JUDKINS (Westat, Inc.)

35 "Investigation of Possible Causes of Transition Patterns from SIPP," L. WEIDMAN (Census Bureau)

36 "Household and Income Sources: Monthly Averages for 1984," J. MOORMAN (Census Bureau)

37 "Creating SIPP Longitudinal Files Using OSIRIS IV," M. SERVAIS (University of Michigan)
38 "Transition In and Out of Poverty: New Data from the Survey of Income and Program Participation," P. RUGGLES (The Urban Institute), and R. WILLIAMS (Congressional Budget Office)

39 "On Their Own: The Self-Employed and Others in Private Business," S. HABER (The George Washington University), E. LAMAS (Census Bureau), and J. LICHTENSTEIN (U.S. Small Business Administration)

40 "Factors Associated with Household Net Worth," E. LAMAS and J. MCNEIL (Census Bureau)

41 "Exploring Changes in Health Care Coverage Using the SIPP Longitudinal Research File," D. BURKHEAD and A. FELDMAN and HARKINS (Census Bureau)

42 "The Analysis of Geographical Mobility and Life Events with the SIPP," D. DAHMANN and E. MCARTHUR (Census Bureau)

43 "A Review of the Use of Administrative Records in the Survey of Income and Program Participation," C. BOWIE and D. KASPRZYK (Census Bureau)
"Survey of Income and Program Participation Update," D. KASPRZYK (Census Bureau)
"Measuring Poverty with the SIPP and the CPS," R. WILLIAMS (Congressional Budget Office)
"The Statistical Invisible Minority Aged," C. TAEUBER (Census Bureau), and E. ATTAH (Atlanta University)

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47 "An Analysis of the SIPP Asset and Liability Feedback Experiment," E. LAMAS and J. MCNEIL (Census Bureau)

48 "The Impact of the Unit of Analysis on Measures of Serial Multiple Program Participation," P. DOYLE and S. K. LONG (Mathematica Policy Research, Inc.)

49 "Short-Term Fluctuations in Income and Their Impacts on the Characteristics of the LowIncome Population: New Data from the Survey of Income and Program Participation," P. RUGGLES (The Urban Institute)

50 "Residential Mobility of One-Person Households," J. WITTE and H. LAHMANN (German Institute for Economic Research)

51 "Year-Apart Estimates of Household Net Worth from the Survey of Income and Program Participation," J. MCNEIL and E. LAMAS (Census Bureau)

52 "Measuring Poverty and Crises: A Comparison of Annual and Subannual Accounting Periods Using the Survey of Income and Program Participation," M. DAVID and
J. FITZGERALD (Institute for Research on Poverty)

53 "Using Administrative Record Data to Evaluate the Quality of Survey Estimates,"
J. MOORE and K. MARQUIS (Census Bureau)

54 "The Wealth of the Aged and Nonaged, 1984," D. RADNER (Social Security Administration)

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"Examining the Dynamics of Health Insurance Loss: A Tale of Two Cohorts, A. C. MONHEIT and C. L. SCHUR (National Center for Health Services Research)

56 "The Dynamics of Medicaid Enrollment," P. FARLEY-SHORT, J. A. CANTOR and A. C. MONHEIT (National Center for Health Services Research)

57 "The Discouraged Worker Effect: A Reappraisal Using Spell Duration Data, A. MARTINI (University of Wisconsin-Madison)

58 "Income as a Proxy for the Economic Status of the Elderly," D. J. CHOLLET and R. B. FRIEDLAND (Employee Benefit Research Institute)

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

60 "Participation in Industrial Training Programs," S. HABER (The George Washington University)

61 "A Methodological Study Using Administrative Records: The Special Frames Study of the Income Survey Development Program," W. J. LOGAN (Social Security Administration),. D. KASPRZYK and R. CAVANAUGH (Census Bureau)
"The Effect of Income Taxation on Labor Supply When Deductions are Endogenous, R. K. TRIEST (The Johns Hopkins University)
(8816) 63 "A Comparison of Gross Changes in Labor Force Status from SIPP and CPS," P. RYSCAVAGE and A. FELDMAN-HARKINS (Census Bureau)

65 "Welfare Recipient as Observed in the SIPP," J. CODER (Census Bureau) and P. RUGGLES (The Urban Institute)

66 "Reservation Wages and Subsequent Acceptance Wages of Unemployed Persons, P. RYSCAVAGE (Census Bureau)

67 "Selected References from the Income Survey Development Program (ISDP) and Survey of Income and Program Participation (SIPP)."

68 "Training, Wage Growth, Firm Size," S. HABER (The George Washington University) and E. LAMAS (Census Bureau)

69 "Defining and Measuring Nonmetro Poverty: Results from the Survey of Income and Program Participation," R. HOPPE (Economic Research Service, U.S. Department of Agriculture)

70 "Nonresponse Adjustment Methods for Demographic Surveys at the U.S. Bureau of the Census," R. SINGH and R. PETRONI (Census Bureau)

71 "Testing Telephone Interviewing in the Survey of Income and Program Participation and Some Early Results," S. DURANT and P. GBUR (Census Bureau)

72 "Excluding Sample that Misses Some Interviews from SIPP Longitudinal Estimates," L. R. ERNST and D. GILLMAN (Census Bureau)

73 "The Employment of Mothers and the Prevention of Poverty," M. HILL (University of Michigan) and H. HARTMANN (Rutgers University)

74 "Using Administrative Record Data to Describe SIPP Response Errors," J. MOORE and K. MARQUIS (Census Bureau)

75 "A Look at Welfare Dependency Using the 1984 SIPP Panel File," J. CODER, D. BURKHEAD, and A. FELDMAN-HARKINS (Census Bureau)
"Census Bureau Microdata: Providing Useful Research Data While Protecting the Anonymity of Respondents," G. GATES (Census Bureau)

77 "The Survey of Income and Program Participation: An Overview and Discussion of Research Issues," D. KASPRZYK (Census Bureau)

78 "Quality of SIPP Estimates," R. P. SINGH, L. WEIDMAN, and G. SHAPIRO (Census Bureau)
"Two Notes on Sampling Variance Estimates from the 1984 SIPP Public-Use Files," B. BYE and S. J. GALLICCHIO (Social Security Administration)
(8903) 80 "Longitudinal vs. Retrospective Measures of Work Experience," P. RYSCAVAGE and J. CODER (Census Bureau)
(8904) 81 "Analyzing the Characteristics of Blacks: A Comparison of Data from SIPP and CPS," R. FARLEY and L. J. NEIDERT (University of Michigan)
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(8906) 83 "Reflections on the Income Estimates from the Initial Panel of the Survey of Income and Program Participation (SIPP)," D. VAUGHAN (Social Security Administration)
(8907) 84 "Measuring Spells of Unemployment and Their Outcomes," P. RYSCAVAGE (Census Bureau)
(8908) 85 "Welfare Dependency and its Causes: Determinants of the Duration of Welfare Spells," P. RUGGLES (The Urban Institute)

86 "Measuring the Duration of Poverty Spells," P. RUGGLES (The Urban Institute) and R. WILLIAMS (Congressional Budget Office)
(8910) 87 "Methods of Processing Unit Data Longitudinally on the SIPP," K. SMITH (Congressional Budget Office)
(8911) 88 "Composite Estimation for SIPP Annual Estimates," R. P. CHAKRABARTY (Census Bureau)
(8912) 89 "Research and Evaluation Conducted on the Survey of Income and Program Participation," R. PETRONI, T. CARMODY, and V. HUGGINS (Census Bureau)

90 "A Poisson Model of Response and Procedural Error Analysis of SIPP Reinterview Data," D. HILL (University of Michigan)

91 "The Economic Resources of the Elderly," S. CRYSTAL and D. SHEA (Rutgers University)
92 "Multivariate Analysis by Users of SIPP Micro-Data Files" R. P. CHAKRABARTY (Census Bureau)
(8916) 93 "A Resource-Based Model of Living Arrangements among the Unmarried Elderly," J. E. MUTCHLER and J. A. BURR (University of Buffalo)

94 "Measuring Household Change at the Individual Level Using Data from SIPP, " A. SPEARE, JR. and R. AVERY (Brown University)

95 "The Effect of Child Care Costs on Married Women's Labor Force Participation, R. CONNELLY (Bowdoin College)

96 "Income and Assets of Social Security Beneficiaries by Type of Benefit," S. GRAD (Social Security Administration)

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97 "Development and Evaluation of a Survey-Based Type of Benefit Classification for the Social Security Program," D. VAUGHAN (Social Security Administration)
"Components of Longitudinal Household Change for 1984-1985: An Evaluation of National Estimates from the SIPP," D. J. HERNANDEZ (Census Bureau)
"Database Design for Large-Scale, Complex Data," M. H. DAVID and A. ROBBIN (University of Wisconsin)

101 "Measuring the Frequency and Consequences of Job Separations: Data from the Survey of Income and Program Participation," J. MCNEIL and E. LAMAS (Census Bureau)

102 "The Regular Receipt of Child Support: A Multi-Step Process," J. PETERSON and C. NORD (Child Trends, Inc.)

103 "The Potential for Comparative Panel Research Using Data from the Survey of Income and Program Participation and the German Socio-Economic Panel, J. C. WITTE (Harvard University)

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105 "Findings from the SIPP Fringe Benefits Feasibility Study: Response Rates and Data Quality," S. HABER (The George Washington University)

106 "Recent Developments in the Survey of Income and Program Participation, C. BOWIE (Census Bureau)

107 "An Analysis of Leaving Home Using Data from the 1984 Panel of the SIPP, A. SPEARE, JR., R. AVERY, and F. GOLDSCHEIDER (Brown University)
"The Effect of the Marriage Market on First Marriages: Evidence from SIPP, J. FITZGERALD (Bowdoin College)

109 "Counting Spells of Unemployment," P. RYSCAVAGE and K. SHORT (Census Bureau)
110 "The Elderly and Their Sources of Income: Implications for Rural Development," R. HOPPE (Economic Research Service, U.S. Department of Agriculture)

111 "Alternative Estimates of Economic Well-Being by Age Using Data on Wealth and Income," D. RADNER (Social Security Administration)

112 "Longitudinal Analysis of Federal Survey Data," P. RUGGLES (Joint Economic Committee)
113 "Measurement Errors in SIPP Program Reports," K. H. MARQUIS and J. C. MOORE (Census Bureau)

114 "Handling Single Wave Nonresponse in Panel Surveys," R. SINGH, V. HUGGINS, and D. KASPRZYK (Census Bureau)

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115 "Nonresponse Research for the SIPP," R. PETRONI (Census Bureau)
116 "The Seam Effect in Panel Surveys," G. KALTON, D. HILL, and M. MILLER (University of
Michigan)
117 "The Effects of Being Uninsured on Health Care Service Use: Estimates from the SIPP,"
S. H. LONG and J. RODGERS (Congressional Budget Office)
118 "Wage Differential and Job Changes," S. SENINGER and D. GREENBERG (University of
Maryland) From SIP
119 "Wages and Employment Among the Working Poor: New Evidence P,
S. K. LONG (The Urban Institute) and A. MARTINI (Mathematica Policy Research)
120 "Pension Portability \& Labor Mobility: Evidence from SIPP," A. GUSTMAN (Dartmouth
College) and T. STEINMEIER (Texas Tech University)
121 "Response \& Procedural Error Variance in Surveys: An Application of Poisson and
Newman Type A Regression," D. HILL (University of Toledo)
122 "Aging and the Income Value of Housing Wealth," S. F. VENTI (Dartmouth College) and D.
A. WISE (Harvard University)
123 "Welfare Participation and Welfare Recidivism: The Role of Family Events,
S. K. LONG (The Urban Institute)
124 "Racial Differences in Health and Health Care Service Utilization: The Effect of
Socioeconomic Status," J. E. MUTCHLER and J. A. BURR (State University of New York
at Buffalo)
125 "Living Benefits: Closing the Gap for LTC Financing," D. G. SHEA (Pennsylvania State
University)
126 "SIPP Record Check Results: Implications for Measurement Principles and Practice,
K. H. MARQUIS and J. C. MOORE (Census Bureau)
127 "Workers with Disabilities in Large and Small Firms: Profiles from the SIPP,"
D. DRURY (Berkeley Planning Associates)
128 "Entry into Marriage and the Transition to Adulthood Among Recent Firth Cohorts of Young
Adults in the United States and the Federal Republic of Germany," J. WITTE (Harvard
University)
129 "The Saving Effect of Tax-Deferred Retirement Accounts: Evidence from the SIPP,
S. VENTI (Dartmouth College) and D. A. WISE (Harvard University)
130 "Children and Welfare: Patterns of Multiple Program Participation," S. K. LONG (The Urban
Institute)
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"Household and Nonhousehold Living Arrangements in Later Life: A Longitudinal Analysis
of A Social Process," J. E. MUTCHLER and J. A. BURR (University of Buffalo)

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132 "The SIPP Event History Calendar: Aiding Respondents in the Dating of Longitudinal Process," R. KOMINSKI (Census Bureau)

133 "Estimates of Employer Contributions for Health Insurance by Worker Characteristics," S. HABER (George Washington University)

134 "Two Notes on Relating the Risk of Disclosure for Microdata and Geographic Area Size," B. GREENBERG and L. VOSHELL (Census Bureau)

135 "Childcare Effects on Social Security Benefits (91 ARC)," H. M. IAMS (Social Security Administration)

136 "The Effect of the Medicaid Program on Welfare Participation \& Labor Supply," R. MOFFIT (Brown University) and B. WOLFE (University of Wisconsin)

137 "Proxy Reports: Results from a Record Check Study," J. C. MOORE (Census Bureau)

138 "Spells Without Health Insurance: What Affects Spell Durations and Who are the Chronically Uninsured?," T. MCBRIDE and K. SWARTZ (The Urban Institute)

139 "Spells without Health Insurance: Distributions of Durations and their Link to Point-in-Time Estimates of the Uninsured," K. SWARTZ and T. MCBRIDE (The Urban Institute)

140 "Discrete Time Models of Entry into Marriage Based on Retrospective Marital Histories of Young Adults in the U.S. and the Federal Republic of Germany," J. WITTE (Harvard University)

141 "Trends in Income and Wealth of the Elderly in the 1980's," P. RYSCAVAGE (Census Bureau)

142 "The Impact of Survey and Questionnaire Design on Longitudinal Labor Force Measures," A. MARTINI (Mathematica Policy Research) and P. RYSCAVAGE (Census Bureau)

143 "Using SIPP to Analyze Black-White Differences in Youth Employment," G. C. CAIN and P. M. GLEASON (University of Wisconsin)

144 "A Random-Effects Approach to Attrition Bias in the SIPP Health Insurance Data,"
J. A. KLERMAN (The Rand Corporation)

145 "Alternative Samples for Welfare Duration in SIPP: Does Attrition Matter?,"
J. FITZGERALD (Census Bureau/Bowdoin College) X. ZUO (Census Bureau/Shanghai Academy of Social Science)

146 "Job-Exits and Job-to-Job Transitions in the United States: An Empirical Analysis Using SIPP," T. J. DEVINE (Pennsylvania State University)

147 "The Flow of Household Income in the 1984 Survey of Income and Program Participation," H. W. WATTS (Census Bureau/Columbia University), D. B. MCMILLEN (Census Bureau) and L. MOELLER (Census Bureau/Columbia University)
(9108) 148 "The Survey of Income and Program Participation as a Source of Data on Children and Families: A Comparison of Estimates Derived from SIPP with Estimates from Other Sources," C. WINQUIST NORD and A. RHOADS (Child Trends, Inc.)
(9109) 149 "Health Insurance Coverage Among the Elderly," V. WILCOX-GOK (Department of Economics and Institute for Health) J. RUBIN (Health Care Policy, and Aging Research)
"Who Helps Whom in Older Parent-Child Families," A. SPEARE, JR. (Population Studies and Training Center) R. AVERY (Brown University)
(9203) 164 "Testing Alternative Household Roster Questions for the Survey of Income and Program Participation," D. CANTOR and C. EDWARDS
"Pretest Results of an Alternative Measurement Design for the Survey of Income and Program Participation," K. BOGEN, J. C. MOORE and K. H. MARQUIS (Center for Survey Methods Research and Census Bureau)

166 "Dependent and Independent Data Collection in Panel Surveys: Analysis of 1985, 1986 SIPP Occupation and Industry Data," D. H. HILL (Survey Research Institute/University of Toledo)

167 "The Survey of Income and Program Participation in the 1990's," D. H. WEINBERG and R. J. PETRONI (Census Bureau)

168 "A Statistical Profile of At-Risk Children in the United States," C. WINQUIST NORD and A. RHOADS (Child Trends, Inc.)

169 "Social Security Earnings of Wives Relative to Their Husbands: A Cohort Analysis", H. M. IAMS (Social Security Administration)

170 "Private Health Insurance and the Utilization of Medical Care by the Elderly, V. WILCOX-GOK and J. RUBIN

171 "Analyzing Spells of Program Participation in the SIPP," G. KALTON, D. P. MILLER, AND J. LEPKOWSKI

172 "Time in Panel Effects in the SIPP," G. KALTON, J. M. LEPKOWSI, S. G. PENNELL, D. P. MILLER AND E. LUIS.

173 "Multiple Program Use in a Dynamic Context: Data from the SIPP," R. M. BLANK (Northwestern University) and P. RUGGLES (The Urban Institute)

174 "A Comparative Analysis of the Labor Force Activities of Ethnic Populations,"
F. D. WILSON (University of Wisconsin-Madison ASA/NSF/Census Fellow) and L. L. WU (University of Wisconsin-Madison)

175 "Variance Estimation by User of SIPP Micro-Data Files," R. P. CHAKRABARTY (Census Bureau)

176 "Measurements of Job Exits: What Difference Does Ambiguity Make?," T. J. DEVINE (Pennsylvania State University)

177 "The Seasonality of Moving: An Analysis of Data from the Survey of Income and Program Participation," D. DEARE (Census Bureau)

178 "The Quality of Census Bureau Survey Data Among Respondents with High Income," C. T. NELSON (Census Bureau)
"Modeling Food Stamp Participation in the Presence of Reporting Errors," C. R. BOLLINGER and M. DAVID (University of Wisconsin)
180 "The Seam Effect in SIPP's Labor Force Data: Did the Recession Make it Worse?,"
P. RYSCAVAGE (Census Bureau)
181 "Where's Papa? Fathers' Role in Child Care" M. O'CONNELL (Census Bureau)
182 "Effectiveness of Oversampling Low Income Households in the Survey of Income and
Program Participation" T. ALLEN, R. PETRONI and R. SINGH
183 "Informal Mechanisms for Government Decision-Making: Case Study of a Team Approach
to Redesigning the Survey of Income and Program Participation,"
D. H. WEINBERG (Census Bureau)
184 "The Earned Income Tax Credit: Participation, Compliance, and Antipoverty Effectiveness,"
J. K. SCHOLZ (University of Wisconsin-Madison)
185 "Effects of a Cognitive Interviewing Approach on Response Quality in a Pretest for the
SIPP," K. H MARQUIS, J. C. MOORE and K. BOGEN (Census Bureau)
186 "Cross-Sectional Imputation and Longitudinal Editing Procedures in the Survey of Income
and Program Participation," S. G. PENNELL (The University of Michigan)
187 "Who's Wealthy? Who's Not? Stability and Change in Sociodemographic Covariate
Structures of Positive, Zero, and Negative Net Worth Data in the Survey of Income and
Program Participation," K. C. LAND and S. T. RUSSELL
188 "Are College-Educated Young Persons Finding Good Jobs? A Look at Some of the
Evidence" P. RYSCAVAGE (Census Bureau)
189 "A Comparison of Attrition in the Panel Study of Income Dynamics and the Survey of
Income and Program Participation," J. E. ZABEL
190 "The Effect of Attrition on Income and Poverty Estimates from the Survey of Income and
Program Participation (SIPP)," E. LAMAS, J. TIN and J. EARGLE
191 "An Analysis of Attrition in the PSID and SIPP with an Application to a Model of Labor
Market Behavior," J. E. ZABEL
192 "Mover Nonresponse Adjustment Research for the Survey of Income and Program
Participation," T. M. ALLEN and R. J. PETRONI
193 "Use of Administrative Data in SIPP Longitudinal Estimation," S. M. DORINSKI and
H. HUANG
"Longitudinal Imputation of SIPP Food Stamp Benefits," A. TREMBLAY
195 "Testing a New Attrition Nonresponse Adjustment Method for SIPP," R. E. FOLSOM and
M. B. WITT
"Oversampling in Panel Surveys," R. SINGH, R. J. PETRONI and T. M. ALLEN (U.S. Bureau
of the Census)

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(9409) 197 "An Experiment to Reduce Measurement Error in the SIPP: Preliminary Results," K. H. MARQUIS, J. C. MOORE and K. BOGEN (Census Bureau)
(9410) 198 "Changing Social Security Survivorship Benefits and the Poverty of Widows,"
M. D. HURD (State University of New York and D. A. WISE (Harvard University)
(9411) 199 "Weighting Schemes for Household Panel Surveys," G. KALTON and J. M. BRICK (Westat, Inc.)
(9412) 200 "Weighting Adjustments for Panel Nonresponse in the SIPP," L. RIZZO, G. KALTON and J. M. BRICK (Westat, Inc.)

201 "Overview of SIPP Nonresponse Research Data," S. MACK and R. PETRONI (Census Bureau)

202 "Regression Weighting Methods for SIPP Data," A. B. AN, F. J. BREIDT and W. A. FULLER (Iowa State University)

203 "The Redesign of the SIPP," V. J. HUGGINS and D. P. FISCHER (Census Bureau)

204 "Adjusting for Attrition in Event History Analysis," D. H. HILL (Survey Research Institute, University of Toledo)
(9502) 205 "Regression Adjustment for Nonresponse," A. B. AN and W. A. FULLER (lowa State University)
(9503) 206 "Nonresponse Research Plans for the Survey of Income and Program Participation," S. P. MACK and P. J. WAITE (Census Bureau)

207 "Income Poverty Times Series Data from the Survey of Income and Program Participation," V. J. HUGGINS and F. WINTERS (Census Bureau)
"Longitudinal Imputation of SIPP Food Stamp Benefits," A. TREMBLAY (Census Bureau)
"Continuing Research on Use of Administrative Data in SIPP Longitudinal Estimation," S. M. DORINSKI (Census Bureau)
(9507) 210 "Overview of Redesign Methodology for the Survey of Income and Program Participation," P. H. SIEGEL and S. P. MACK (Census Bureau)
(9508) 211 "Research on Characteristics of Survey of Income and Program Participation Nonrespondents Using IRS Data," M. R. HENDRICK, K. E. KING and J. B. BIENIAS (Census Bureau)

212 "The SIPP Cognitive Research Evaluation Experiment: Basic Results and Documentation," J. C. MOORE, K. H. MARQUIS and K. BOGEN (Census Bureau)

213 "The Effects of Special Saving Programs on Saving and Wealth," J. M. POTERBA, S. F. VENTI and D.A. WISE (National Bureau of Economic Research)

| 214 | "Past is Prologue: Simulating Lifetime Social Security Earnings for the Twenty-First |
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| Century," H. M. IAMS and S. H. SANDELL (Office of Research \& Statistics, Social Security |  |
| Administration) |  | "Evaluating the Quality of Income Data Collected in the Annual Supplement to the March

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234 "The Survey of Income and Program Participation (SIPP) Methods Panel Improving Income Measurement," PAT DOYLE, BETSY MARTIN, and JEFF MOORE

235 "Social Security Benefit Reporting in the Survey of Income and Program Participation and in Social Security Administration Records," JANICE A. OLSON
"Food Stamp Receipt: Those Who Left Versus Those Who Stayed in a Time of Welfare Reform, " JOHN J. HISNANICK, and KATHRINE G. WALKER
"Home Equity, Wealth, and Financial Assets of U.S. Households in 1995," JOSEPH M. ANDERSON
"The Assessment of Survey of Income and Program Participation (SIPP) Benefit Data Using Longitudinal Administrative Records," MINH HUYNH, KALMAN RUPP, and JAMES SEARS
"Type of OASDI Benefit and Year of Death based on an Exact Match to Social Security Administration Benefit Records, 1990 and 1991 Panels of the Survey of Income and Program Participation (SIPP): Description of the Development of the Data for Public Release and a Preliminary Evaluation of Data Quality," DENTON R. VAUGHAN
"Using the Survey of Income and Program Participation for Policy Analysis," DANIEL H. WEINBERG
"AAPOR Roundtable: Improving Income Measurement," PAT DOYLE
"Longitudinal Attrition in Survey of Income and Program Participation (SIPP) and Survey of Program Dynamics (SPD)," DENTON VAUGHAN

## APPENDIX C

## User Notes

This section is reserved for any information relevant to the SIPP 2001 Panel, Wave 8 Welfare Reform 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.


[^0]:    ${ }^{3}$ The number of available rotation months for a given estimate is the sum of the number of rotations available for each month of the estimates.

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