

1996 National Health Interview Survey (NHIS)
Family Resources Public-use Imputed Data File
Income and Assets

This tape contains edited and imputed data for the Income and Assets portions (part D) of the 1996 Family Resources questionnaire for the NHIS. The other portions of the Family Resources (FR) Questionnaire or Section III from 1996 include Access to Care (part A), Health Care Coverage (Part B), and Private Plan and Coverage Detail (Part C). The tasks of cleaning, editing, and imputing missing data fields were completed by staff of the Division of Health Interview Statistics (DHIS) in consultation with James Lepkowski (of the Survey Research Center at the University of Michigan). The imputation methods programmed by DHIS staff are consistent with those developed for earlier years of the survey (1990-1992) by the Census Bureau and programmed by the Office of the Assistant Secretary for Planning and Evaluation. Complete documentation on the imputation procedures is available from the staff of DHIS at NCHS by request. The document is entitled: "Description of the allocation procedures for the Income Supplement items on the 1996 NHIS". Description of several important aspects about the file follow. Data that have been modified are identified by flag fields (see the flag cross-reference table at the end of this document). Data users should use great care in reading all preliminary notes and information embedded within the documentation specific to the fields of interest.

1. The 1996 National Health Interview Survey (NHIS) Family Resources data file on Income and Assets (FR) contains data from the income and assets supplement which collected information on employment, income from employment and businesses, other income sources including retirement and social security, and asset holdings including cars, houses, businesses, and investment properties. Additional information on the receipt of income from public programs including AFDC, SSI, and Food Stamps is also included. Users should be aware that all income items including the cumulative person and family fields (locations 581-586 and 587-592 respectively) have a reference period of the calendar month prior to the interview date. For those interested in calculating yearly income generated from employment or businesses, the number of months per year employed or engaged in a business are available in the following fields: 418-419 (item no. 2g), 437-438 (item no.

3f), 439-440 (item no. 3g), 470-471 (item no. 4j), 472-473 (item no. 4k).

2. The 1996 FR differs from other NHIS data tapes because it includes imputed or "allocated" data (using a hot deck method) when either a record for an interviewed individual or a specific data item(s) or amount(s) was missing. The specifications of the data allocation were originally written by personnel of the Census Bureau and modified and programmed by DHIS staff. The hot deck method essentially sorts persons into 'like' categories using race, sex, age, family status and other economic and health characteristics. The characteristics and categories used varies by the field being imputed. Fields with complete data within those like categories are then used to "allocate" data to like records with missing data on the fields of interest. Further details on the imputation methodology can be acquired from the imputation documentation.

In years 1990-1992, complete record imputation occurred for records missing all data or those with less than three items completed. This was achieved by complete record substitution from donor records within the appropriate group of like persons. In 1996, fewer cases needed complete record imputation. The missing data items were imputed separately for each item. Records that have been imputed in their entirety can be identified if all field flags are equal to 1.

Any allocated data can be identified by field-specific flags, which appear at the end of the record for each individual. A table of cross-referencing fields for each flag appears at the end of this documentation.

3. As a result of the Federal government furlough, two weeks of data collection were omitted in January of 1996. In addition, in order to test the redesign of the 1997 NHIS core questionnaire and its conversion to computer assisted personal interview, the sample was split between the old (paper) and new (computerized) versions of the core questionnaire. This data file includes only data obtained from the paper version of the NHIS questionnaire. As a result, the sample size is considerably smaller than in the previous year (63,402 vs. 102,467). The weights have been adjusted for these factors to produce national estimates.

4. One major difference between the questionnaire and the data on the tape is the deletion of the following items: 5b; 14e,f; 15e,f; 16 e,f. These items were eliminated because they were follow-up questions for persons who did not give values for interest and dividend income. The imputation process was used to impute values for those who did not report these income items, and thus the follow up questions are not relevant.
5. One important feature of the imputation process users should be aware of concerns the income fields, especially for those using them in families. For income items that are reported for more than one person per family, the respondent is asked to give a figure and then when asked about subsequent members of the family is given the option of saying that the income figure given previously included the income of the specific person. See item 6d as an example. The highest reported income for a family member is divided equally among all those persons for whom the already included box is checked. The only exception is social security income for which a different algorithm is used. Details of the method are available in additional documentation discussed above.
6. The 1996 FR data file is arranged in the following manner:
 - a. The NHIS person record from the core questionnaire (locations 1-189, 237-341)
 - b. The weight fields (locations 190-236)
 - c. Fields needed for calculating variances (locations 342-358)
 - d. Work experience and current earnings (locations 400-475)
 - e. Income from other sources (locations 476-553) including income from public programs including welfare, SSI, SSDI, and the cash value of food stamps.
 - f. Asset ownership and valuation (locations 554-570)
 - g. Total edited income (locations 581-586 and 587-592)
 - h. Flag fields (locations 593-654)

(Note: All data from the Family Resources supplement have been shifted to start in location 400 in order to accommodate a longer public use person record required by the new sample design that was implemented in 1995.)

7. Weights and variances

Since the NHIS uses a multistage, stratified, cluster sample design to represent the civilian non-institutionalized population of the United States, weights must be used to make accurate estimates based on data from the National Health Interview Survey. A set of weights are included on the 1996 file:

The first weight listed below (i.e. the Final Basic Weight) will be used in most analyses of the FR data.

The **Final Basic Weight** (location 219-227) is the equivalent of the Annual Final Basic Weight found on the NHIS Person Record of the Basic Health and Demographic component of the survey (i.e. the Core questionnaire). A national estimate of all person level variables can be made using this weight.

This weight is used in conjunction with FR data items in file locations 400-655.

Because the income data was collected only for the calendar month prior to the date of interview, adjustments by the analyst must be made to obtain annual data. As noted above, the user can identify the number of months per year a person worked or had a business in the last 12 months in order to obtain this calculation. Note that the total income fields are monthly composites.

The **Final Quarter Basic Weight** before age-sex-race/ethnicity adjustment (loc. 172-177) is required by some software packages for variance estimation for surveys with complex sample designs. This weight is also included on the file.

As mentioned above, the sample design for the NHIS was changed for 1995. Data from 1996 can be combined with data from previous years, however, special techniques for variance estimation are needed. Consult a mathematical statistician.

One important aspect of using imputed data in the calculation of variances is that analysts often use the imputed data as if it were observed. Thus, if the actual

number of cases observed is **a** and the number of values imputed is **b**, when imputed cases are treated as observed, the total number of records will equal **a+b**. The true sample size is **a**, however, and the variances will be substantially under-estimated because they will be calculated on a larger sample than is actually observed. Analysts may consider scaling weights to reflect the true sample size.

There are a number of computer software programs that yield variance estimates for data based on complex sample designs. Some are based on replication approaches and others are based on Taylor linearization approaches. These programs require sample design variables for estimating variance. For this purpose, included on the FR data file is stratum (loc. 354-357), PSU (loc. 358), the substratum (loc. 342-343), secondary sampling unit (loc. 344-350), and Panel 4 (loc. 352). These variables and weights are necessary for directly calculating sampling variances. See the attached documentation on variance estimation for 1996 data which appears after the flag cross reference table.

8. Estimating annual numbers of events or conditions

a. To reduce respondent error, the recall period for questions about some events is limited to two weeks. These events are: bed days and other restricted activity days, work loss and school loss days, and doctor visits. The two-week variables are found in locations 98-107 and 120-121. Estimates of the total number of occurrences of these events in the population can be derived as follows:

Number of events x 26 (number of two-week periods in a year) x Final Basic Weight

= Total number of events occurring in the population during the annual period, i.e. 1996.

Example: Number of bed days (Loc. 100-101) x 26 x Final Basic Weight (Loc. 219-227) = total number of bed days reported for the population in 1996.

- b. The recall period for acute incidence conditions is also two weeks and a national estimate of the total number of acute incidence conditions is calculated using the same procedures as for two-week events for the annual period.

Number of acute incidence conditions x 26 x Final Basic Weight

= Total number of acute incidence conditions occurring in the population during 1996.

Note: An acute incidence condition is an acute condition with onset during the two weeks preceding the date of interview.

- c. The recall period for information on hospitalizations is 12 months. However, in calculating number of discharges (Locations 132-133, 137-138), only discharges occurring in the past 6 months are counted. Therefore, the weighted estimates must be calculated as follows:

Number of discharges x 2 x Final Basic Weight

= Total number of discharges occurring in the population in 1996.

9. Calculation of rates for events and conditions:

The number of events or conditions estimated for the population, as described in item 8, above, can be used as the basis for calculating rates of occurrence of these events (or conditions) per person and per 100 persons for the total U.S. population and for various population subgroups.

Note: Only rates can be estimated from these data. The percent of the population experiencing a particular type of event during the data year cannot be estimated. (The percent of the population experiencing the event in the reporting period (i.e. two weeks or 6 months) can be estimated but is generally not meaningful.)

10. Data on hospital episodes and days, based on a 12-month recall are in locations 122-131. The Final Basic Weight is

used for calculating estimates of these events in the same way it is used for all other person-based variables. These variables do permit estimating the percent of the population in this annual period experiencing a hospital episode in the past year and the percent of that population having a specified number of hospital days.

11. Guidelines for Citation of Data

With the goal of mutual benefit, the National Center for Health Statistics (NCHS) requests that recipients of data files cooperate in certain actions related to their use.

Any published material derived from the data should acknowledge NCHS as the original source. The suggested citation to appear at the bottom of all tables is as follows:

Source: National Center for Health Statistics (2000)

When cited in a bibliography, the suggested citation should read:

National Center for Health Statistics (2000). Data File Documentation, National Health Interview Survey, Family Resources Supplement, 1996 (machine readable data file and documentation), National Center for Health Statistics, Hyattsville, Maryland.

The published material should also include a disclaimer that credits any analyses, interpretations, or conclusions reached to the author (recipient of the data file) and not to NCHS, which is responsible only for the initial data. Consumers who wish to publish a technical description of the data should make a reasonable effort to insure that the description is not inconsistent with that published by NCHS.

Flag Cross-reference Table: Item name (variable) and its associated imputation flag fields - 1996

File Location	Item Name and Questionnaire Number	Matrix Flag Location*
401	Employer or self-employed (Item 1b)	607
402-403	Hours per week on job (Item 2a)	606,612
404	Paid by hour (Item 2b)	612
405-409	Income from main job (Item 2c)	612,615
410	Time on main job (Item 2d)	615
413-417	Income from other jobs (Item 2f)	615
418-419	Months in job or business (Item 2g)	609
420-421	Hours per week in business (Item 3a)	613
422	Income from main business-loss (Item 3b)	616
423-427	Income from main business (Item 3b)	616
428	Time in main business (Item 3c)	616
429-430	Hours other business (Item 3d)	613
431	Income from other businesses - loss (Item 3e)	616
432-436	Income from other businesses (Item 3e)	616
437-438	Months self-employed other (Item 3f)	616
439-440	Months in job or business (Item 3g)	610
441-442	Hours per week in job or business (Item 4a)	614

File Location	Item Name and Questionnaire Number	Matrix Flag Location*
443	Job or business (Item 4b)	608
444	Paid by hour at main job (Item 4c)	614
445-449	Income from main job (Item 4d)	617
450	Income from main business - loss (Item 4e)	617
451-455	Income from main business (Item 4e)	617
456	Time in main job/business (Item 4f)	617
457-458	Hours other job/business (Item 4g)	614
459	Income from other businesses - -loss (Item 4h)	617
460-464	Income from other businesses (Item 4h)	617
465-469	Income from other jobs (Item 4i)	617
470-471	Months self-employed (Item 4j)	617
472-473	Months in job or business (Item 4k)	611
474	Number employees at all sites (Item 5a)	652,653,654
477	Person receive SS/RR (Item 6b)	593
478-481	Dollar received SS/RR (Item 6d)	593,594
482-483	Months received SS/RR (Item 6e)	593,594
484	SS/RR received as disability benefit (Item 6f)	593,595
485	SS/RR received due to disability (Item 6g)	593,595,596

File Location	Item Name and Questionnaire Number	Matrix Flag Location*
486	Anyone apply do SSA (Item 7a)	595
487	Person apply for SSA (Item 7b)	593,595,597
488-489	Times applied (Item 7d)	593,597,598
490	Anyone receive SSI (Item 8a)	599
492-495	Dollar received SSI (Item 8d)	599,600
496-497	Months received SSI (Item 8e)	599,600
499	Person apply for SSI (Item 9b)	599,601
500-501	Times applied (Item 9d)	599,601,602
503	Person received other disability pension (Item 10b)	618
504-507	Dollar received for other disability pension (Item 10d)	618,619
509	Person received other pension (Item 11b)	620
510-514	Dollar received for other pension (Item 11d)	620,621
516	Person received welfare (Item 12b)	603
517	Type of welfare (Item 12d)	603,605
518-519	Number of months received (Item 12e)	603,604
520-523	Dollar received from welfare (Item 12f)	603,604
524	Anyone receive foodstamps (Item 13a)	622
525-528	Total dollar value of foodstamps (Item 13b)	622,623
530	Person earn interest income (Item 14b)	624
531-534	Dollar received in interest (Item 14d)	624,625,626

File Location	Item Name and Questionnaire Number	Matrix Flag Location*
538	Person earn dividend income (Item 15b)	627
539	Dollar received in dividend income--loss (Item 15d)	627,628
540-543	Dollar received in dividend income (Item 15d)	627,628,629
547	Person earn other income (Item 16b)	630
548-551	Dollar received in other income (Item 16d)	630,631,632
554	Own vehicle (Item 17a)	633
555	Worth of vehicle (Item 17b)	633,634
556	Owned or bought house/apt (Item 18a(1))	635
557	Rented house/apt (Item 18a(2))	635,636
558	Occupy without payment house/apt (Item 18a(3))	635,636
559	Value of house/apt (Item 18b)	635,636,637,638,641
560	Paid or money owed (Item 18c)	635,636,637,639
561	Monthly mortgage payment (Item 18d)	635,636,637,638,639,640
562	Monthly rent payment (Item 18e)	635,636,642,644
563	Rent include meals (Item 18f)	635,636,642,643
564	Own other assets (Item 19)	645
565	Own other property (Item 20a)	645,646
566	Net value of other property (Item 20b)	645,646,647
567	Own business, farm, practice (Item 21a)	645,648

File Location	Item Name and Questionnaire Number	Matrix Flag Location*
568	Net value of business, farm, practice (Item 21b)	645,648,649
569	Own other savings, assets, property (Item 22a)	645,650
570	Net value of other savings, assets, property (Item 22b)	645,650,651

* multiple flag locations are possible for any item because some fields use more than one field for imputation.

VARIANCE ESTIMATION FOR PERSON DATA USING THE
NHIS PUBLIC USE PERSON DATA TAPE, 1995-2004

April 17, 1998

About this document:

This document provides basic design information about the 1995-2004 NHIS and presents methods to compute standard errors for each annually released person-level database. This document focuses upon a full-sample NHIS Core survey that is anticipated for each data collection year. For some years the full-sample methods need to be modified to account for design changes. In particular, the **1996** NHIS has a sample size which is quite different from the 1995 NHIS. Also, Supplemental surveys may require modified methods. Some notes about these modifications appear at the end of this document.

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VARIANCE ESTIMATION FOR PERSON DATA USING THE NHIS PUBLIC USE PERSON DATA TAPE, 1995

Introduction: The data collected in the NHIS are obtained through a complex sample design involving stratification, clustering, and multistage sampling, and the final weights are subject to several adjustments. Any variance estimation methodology must involve numerous simplifying assumptions about the design and weighting. We provide some oversimplified conceptual NHIS design structures that should allow users of this Public Use Data Set to compute reasonably accurate standard errors.

There are several available software packages for analyzing complex samples. A comparison is beyond the scope of this document, but an Internet web page *Summary of Survey Analysis Software* currently located at <http://www.fas.harvard.edu/~stats/survey-soft/survey-soft.html> provides references and discussion. At NCHS the software package SUDAAN[®] has been used to produce standard errors. In this document SAS[®] and SUDAAN[®] computer code is provided, but without guarantees of any kind. The computer code and methods are subject to change without notification to the user. The entire risk as to the results and performance is assumed by the user. NCHS recommends that any analysis of NHIS data be done under the supervision of a statistician who understands the implications of complex-sample design surveys.

Conceptual NHIS design for 1995 The U.S. Bureau of the Census partitions the state counties or equivalents along with metropolitan areas into a universe of about 1900 Primary Sampling Units (PSUs) (note, PSUs may be combined counties) to provide the primary sampling areas for its many national surveys. For the NHIS, these universe PSUs are partitioned into geographical strata at the state level. Some of the larger universe PSUs are self-representing (SR), i.e., they are in the NHIS with certainty. The other PSUs are called non-self-representing (NSR) or non-certainty PSUs. Within each state the NSR PSUs are partitioned into strata based upon similarity of PSU characteristics. Within each NSR stratum 2 PSUs are selected using Durbin's probability proportional to size (PPS) sampling method using the population as a measure of size. (In some smaller states only 1 PSU is drawn PPS). The SR PSUs are equivalent to strata, but historically they have been referred to as PSUs. (PPS and Durbin sampling are discussed in Chapter 9A of Cochran (1977)).

Within a sampled NSR or SR PSU the geography is partitioned into smaller geographical clusters which are used to form the universe of secondary sampling units (SSUs). These SSUs are then partitioned into density strata based upon black and Hispanic population concentration as determined by the 1990 Decennial Census. An additional strata for new construction since the last Decennial Census is also created. Within each density stratum SSUs are sampled at different rates to meet different design objectives. Within each sample SSU, all households containing black or Hispanic persons are sampled, while all other households are subsampled. Supplemental NHIS surveys may require additional sampling at SSU, household, or family levels.

The fundamental sampling weights are created such that under ideal sampling conditions, unbiased estimators for each level of sampling are available. In practice, however, the final sampling weights are adjusted for non-response, and ratio adjusted. Furthermore, in 1995 a government shutdown resulted in three lost weeks of sample which resulted in further weighting adjustments. The most important adjustment is a quarterly post-stratification to 88 age/sex/race/ethnicity Census control totals.

For variance estimation purposes, NCHS treats the NHIS as a two-stage sample. The PSU probabilities of selection are known, and the SSUs are treated as sampled with replacement within PSU density strata. Sampling weights are adjusted by poststratification. With these assumptions the SUDAAN software is used to compute variances. Much of the design information, state, density strata, and Durbin probabilities can be used to identify the smaller geographical areas. NCHS forbids the disclosure of information which may compromise the confidentiality promised to survey respondents, so some design information is not provided with the Public Use Data. While all design information is not available to the public, variance estimation methods exist which provide similar results to the NCHS internally used methodology. Two methods are described below.

Design Information Available on the NHIS Public Use Databases

; **CAUTION** For 1996 databases, refer to the Notes at the end of this document

The following variables are used to produce code for variance estimation. Field locations below are from the PERSON level database, but may change on other databases; the user should check the file documentation.

<u>Variable Name</u>	<u>Location</u>	<u>Field Label</u>
STRAT_V	337-340	'STRATA FOR VARIANCE ESTIMATION'
PSU_V	341	'PSU FOR VARIANCE ESTIMATION'
SUB_V	342-343	'SUBSTRATUM FOR VARIANCE ESTIMATION'
SSU	344-350	'SECONDARY SAMPLING UNIT'
PANEL	352	'PANEL 4'
TYPE_PSU	351	'TYPE OF PSU'
WTF	219-227	'FINAL BASIC WEIGHT'

Two methods of variance estimation are now provided.

Method 1 - 187 Strata containing 2 PSUs per stratum sampled with replacement

Here, the NHIS universe has been partitioned into 187 strata. Most of the original NHIS strata and PSUs retain their original sampling structure with two PSUs being sampled per stratum, but a few strata have been collapsed, and in the largest self-representing strata, two pseudo-PSUs have been created. All PSUs are treated as sampled with replacement within their respective strata. This method will provide somewhat conservative standard errors, and the standard error estimator itself has less stability than the standard error estimator described by Method 2 below. Method 1 should be applicable to many complex survey sample design computer programs which require exactly 2 sampled PSUs per stratum. This method is robust when analyzing subsetted data (see the section "Subsetted Data Analysis" below).

Coding required, (SAS[®] code provided):

```
STRATUM = STRAT_V ;  
  
PSU = PANEL ;  
  
IF (PSU_V = 5 ) THEN PSU = INT ( ( PANEL + 1 ) / 2 ) ;  
  
IF ( PSU_V = 8 ) THEN STRATUM = 553 ;  
  
IF ( ( TYPE_PSU = 1 ) AND ( PSU_V IN ( 2,4 ) ) ) THEN STRATUM = ( STRAT_V - 1 ) ;  
  
IF ( ( STRAT_V = 921 ) AND ( PSU_V = 3 ) ) THEN STRATUM = 901 ;
```

As a check the user should observe 374 PSUs when using the full database.

For the above simplification of the NHIS sample design structure, the following SUDAAN® design statements may be used. (Note, the input file must first be sorted by STRATUM and PSU variables).

```
PROC ... DESIGN = WR;  
NEST STRATUM PSU ;  
WEIGHT WTF ;
```

See the Section “Worked SUDAAN Examples” below for further discussion.

Method 2 - Multiple PSUs per Stratum design sampled with replacement

This method provides for more statistically efficient variance estimation than Method 1, since it makes better use of the sampling design information. Its application is limited to software that can handle multiple PSUs per stratum, e.g., SUDAAN. For this method the original certainty PSUs are partitioned by aggregations of the original race-ethnic density strata used in sampling. The first randomly sampled unit is actually the SSU variable which is now treated as the PSU variable. (Note, a certainty PSU unit contributes nothing to the variance at the PSU sampling level). Non-certainty-strata PSUs are treated as being sampled with replacement within their respective strata. Except for a few special cases, the non-certainty PSUs have exactly the same structure in both Methods 1 and 2.

Coding required, (SAS® code provided):

```
IF TYPE_PSU = 1 THEN DO ; /* certainty strata PSUs */  
  
    STRATUM = STRAT_V*1000 + SUB_V ;  
    PSU     = SSU           ;  
    END;  
  
ELSE DO ; /* non-certainty PSU */ ;  
  
    STRATUM = STRAT_V ;  
    PSU     = PSU_V   ;  
    END;
```

As a check, the user should observe the following counts:

Certainty Strata PSUs	4079
Non-certainty Strata PSUs	259
Total PSUs	4338

For the Method 2 design structure, the following SUDAAN® design statements may be used. (Note, the input file must first be sorted by STRATUM and PSU variables.)

```
PROC ... DESIGN = WR;  
NEST STRATUM PSU ;  
WEIGHT WTF ;
```

See the Section “Worked SUDAAN Examples” for further discussion.

; **CAUTION.** Method 2 should only be used on a full sample person data base. Using this method with subsetted data may lead to incorrectly computed standard errors. (See the section "Subsetted Data Analysis" below). If using a subsetted data set, the user should check the degree of agreement of the certainty and non-certainty counts with the values presented above.

; **CAUTION**

A typically used rule-of-thumb for degrees of freedom to associate with a standard error is the quantity (number of PSUs - number of strata). This rule assumes that the PSUs are somewhat comparable in size. For Method 2 this rule may be grossly inaccurate since the concept of PSU is quite different for certainty and non-certainty strata. Certainty strata PSUs of Method 2 have small weighted values relative to those of non-certainty PSUs. The rule-of-thumb degrees of freedom for Method 1 is 187, and Method 2 should have a "true" degrees of freedom exceeding that of Method 1. However, for practical purposes, any degrees of freedom exceeding 120 can be treated as infinite, i.e., one uses a normal Z-statistic instead of a t-statistic for testing. Note, that a one-tailed critical $t_{0.025}$ at 120 degrees of freedom is 1.98 while at an infinite degrees of freedom (i.e., a z-value) is 1.96. If a variable of interest covers most of the NHIS PSUs, the limiting value would probably be adequate for analysis. The user should consult a mathematical statistician for discussion of degrees of freedom.

SUBSETTED DATA ANALYSIS

Frequently, studies of NHIS variables are restricted to select subdomains, e.g., persons aged 65 and older. To save on storage the user may delete all records outside of the domain of interest. This procedure of keeping only select records is called subsetting the data. With a subsetted data set one can produce correct point estimates, e.g., the subdomain means, but standard errors may be computed incorrectly when using a compromised design structure. For example, if a stratum of Method 2 contains 10 PSUs and 5 are lost because of subsetting, a SUDAAN run on the subsetted data will use an incorrect formula to compute stratum contributions to the variance. If the full data are run, SUDAAN correctly handles the 5 empty PSUs. Note, that SUDAAN has a SUBPOPN option that allows the targeting of a subdomain from a full design data base. (See the SUDAAN manual for details).

Subsetting methods with SUDAAN

Strategy 1. Use Method 1 above with the MISSUNIT option on the NEST statement -

NEST STRATUM PSU/ MISSUNIT ;

If a WR design has exactly 2 PSUs per stratum and some PSUs are removed from the database then the SUDAAN MISSUNIT option performs a fix-up which produces a standard error identical to that achieved when using a full data set and SUBPOPN statement. Note, other output like design effects, degrees of freedom, standardization may be computed differently. The user is responsible for checking that subsetted input leads to correct results.

Strategy 2. Use Method 1 or 2 above on a "fixed-up" subsetted data set. Basically, one needs to add some dummy records containing full design information to the subsetted data set. To do this follow these instructions:

1. Create a 2-variable file containing STRATUM and PSU for each record of the full person file (100,000+ records)
2. Sort this file by STRATUM and PSU within STRATUM.
3. Keep only 1 record for each PSU
add $WTF = 10^{-10}$ as a very small weight
add variable DUMMY = 0 to designate dummy record

A file, called DESIGN containing 4 variables with 374 records (Method 1 used) or with 4338 records (Method 2 used) is created

4. Append DESIGN to the original subsetting database, called DATASET, to form a new set, called DATANEW.

Define DUMMY = 1 on the DATASET component.

On the DESIGN component records define all variables other than STRATUM, PSU, WTF, DUMMY as missing "." .

5. Sort DATANEW by STRATUM PSU
6. In SUDAAN use a "*SUBPOPN* DUMMY = 1;" line to direct SUDAAN to restrict estimation to the subdomain of interest.

With the above fix-up SUDAAN will correctly handle empty PSUs when computing the standard errors. SUDAAN output that needs the entire full sample database for correct computation, e.g, design effects, may or may not be appropriate. See the SUDAAN manual for computational forms or consult with a mathematical statistician for correct interpretation.

Other notes on Subsetting data:

If a subsetting database under Method 2 has only a few missing PSUs , the subsetting database can probably be run with SUDAAN without being fixed up. For example, a subsetting by SEX will most likely result in all PSUs still being in sample, but black males aged 65 and older would result in the loss of many PSUs. The impact of running SUDAAN on uncorrected subsetting data varies. Frequently, subsetting runs produce results consistent with those run on a full data set, but sometimes they do not.

Subsetting by aggregates of Strata does not need a fix-up.

The condition, doctor visit, and hospital record databases are actually subsetting files. To use with SUDAAN properly, the information should be linked back to the appropriate person on the person file. Some statistics, based upon aggregation of records, may be computed directly from this file along with the fix-up. Consult with a statistician for appropriate SUDAAN usage.

WORKED SUDAAN EXAMPLES

In the following runs the variables used are

LDR = proportion of persons without a doctor visit in the last 2 years

TDV_R = mean number of annual doctor visits (based upon 2 week recall)

HLT_FP = proportion of persons with self-reported fair or poor health status (omitting missing)

AGE2 : 1 = aged less than 18

2 = aged 18 to 44

3 = aged 45 to 64

4 = aged 65 and older

The following SUDAAN code was executed for both Method 1 and Method 2:

; **Caution** The output presented below is based upon a preliminary NHIS Public Use database. Your Public Use database may produce slightly different SUDAAN output.

```
PROC DESCRIPT DATA = HIS.infile FILETYPE=SAS DESIGN = WR;

NEST STRATUM PSU ;
WEIGHT WTF;

VAR LDR TDV_R HLT_FP ;

SUBGROUP SEX AGE2;
LEVELS 2 4;
TABLES SEX AGE2;

PRINT NSUM WSUM MEAN SEMEAN
      / WSUMFMT=F10.0 MEANFMT=F8.5 SEMEANFMT=F8.5 ;
```

Method 1: partial output:

S U D A A N
 Software for the Statistical Analysis of Correlated Data
 Copyright Research Triangle Institute April 1996
 Release 7.00

Number of observations read : 102467 Weighted count :261889548
 Number of observations skipped : 0
 (WEIGHT variable nonpositive)
 Denominator degrees of freedom : 187

Research Triangle Institute
 The DESCRIPT Procedure

by: Variable, SEX.

Variable		SEX		
		Total	1	2
LDR	Sample Size	102467	48809	53658
	Weighted Size	261889549	127570237	134319312
	Mean	0.13797	0.18013	0.09793
	SE Mean	0.00178	0.00250	0.00178
TDV_R	Sample Size	102467	48809	53658
	Weighted Size	261889549	127570237	134319312
	Mean	5.90759	4.90385	6.86089
	SE Mean	0.09060	0.10039	0.12407
HLT_FP	Sample Size	101277	48266	53011
	Weighted Size	258963568	126221708	132741859
	Mean	0.10126	0.09124	0.11079
	SE Mean	0.00157	0.00188	0.00176

by: Variable, AGE2.

Variable		AGE2				
		Total	1	2	3	4
LDR	Sample Size	102467	29711	40801	20000	11955
	Weighted Size	261889549	70670755	108040689	51713265	31464840
	Mean	0.13797	0.08894	0.18489	0.14461	0.07606
	SE Mean	0.00178	0.00269	0.00268	0.00293	0.00251
TDV_R	Sample Size	102467	29711	40801	20000	11955
	Weighted Size	261889549	70670755	108040689	51713265	31464840
	Mean	5.90759	4.29682	4.88589	7.08504	11.09843
	SE Mean	0.09060	0.09797	0.12432	0.17859	0.30642
HLT_FP	Sample Size	101277	29183	40423	19834	11837
	Weighted Size	258963568	69438212	107054300	51315866	31155190
	Mean	0.10126	0.02552	0.06610	0.16651	0.28344
	SE Mean	0.00157	0.00129	0.00168	0.00356	0.00519

Method 2 Partial Output

S U D A A N
 Software for the Statistical Analysis of Correlated Data
 Copyright Research Triangle Institute April 1996
 Release 7.00

Number of observations read : 102467 Weighted count :261889548
 Number of observations skipped : 0
 (WEIGHT variable nonpositive)
 Denominator degrees of freedom : 4030

Research Triangle Institute
 The DESCRIPT Procedure

by: Variable, SEX.

Variable		SEX		
		Total	1	2
LDR	Sample Size	102467	48809	53658
	Weighted Size	261889549	127570237	134319312
	Mean	0.13797	0.18013	0.09793
	SE Mean	0.00174	0.00231	0.00184
TDV_R	Sample Size	102467	48809	53658
	Weighted Size	261889549	127570237	134319312
	Mean	5.90759	4.90385	6.86089
	SE Mean	0.07704	0.08503	0.11403
HLT_FP	Sample Size	101277	48266	53011
	Weighted Size	258963568	126221708	132741859
	Mean	0.10126	0.09124	0.11079
	SE Mean	0.00152	0.00174	0.00182

by: Variable, AGE2.

Variable		AGE2				
		Total	1	2	3	4
LDR	Sample Size	102467	29711	40801	20000	11955
	Weighted Size	261889549	70670755	108040689	51713265	31464840
	Mean	0.13797	0.08894	0.18489	0.14461	0.07606
	SE Mean	0.00174	0.00271	0.00254	0.00303	0.00269
TDV_R	Sample Size	102467	29711	40801	20000	11955
	Weighted Size	261889549	70670755	108040689	51713265	31464840
	Mean	5.90759	4.29682	4.88589	7.08504	11.09843
	SE Mean	0.07704	0.09116	0.11805	0.16109	0.28387
HLT_FP	Sample Size	101277	29183	40423	19834	11837
	Weighted Size	258963568	69438212	107054300	51315866	31155190
	Mean	0.10126	0.02552	0.06610	0.16651	0.28344
	SE Mean	0.00152	0.00118	0.00157	0.00351	0.00501

Best NHIS design using Durbin probabilities (not available to the public) and weights adjusted by post-stratification

Variable		SEX		
		Total	1	2
LDR	Sample Size	102467	48809	53658
	Weighted Size	261889549	127570237	134319312
	Mean	0.13784	0.17991	0.09789
	SE Mean	0.00170	0.00221	0.00182
TDV_R	Sample Size	102467	48809	53658
	Weighted Size	261889549	127570237	134319312
	Mean	5.90468	4.89733	6.86141
	SE Mean	0.07511	0.08320	0.11217
HLT_FP	Sample Size	101277	48266	53011
	Weighted Size	258974266	126232939	132741328
	Mean	0.10127	0.09125	0.11080
	SE Mean	0.00137	0.00159	0.00165

Post-stratified estimates
by: Variable, AGE2.

Variable		AGE2				
		Total	1	2	3	4
LDR	Sample Size	102467	29711	40801	20000	11955
	Weighted Size	261889549	70670755	108040689	51713265	31464840
	Mean	0.13784	0.08845	0.18484	0.14484	0.07587
	SE Mean	0.00170	0.00258	0.00248	0.00298	0.00268
TDV_R	Sample Size	102467	29711	40801	20000	11955
	Weighted Size	261889549	70670755	108040689	51713265	31464840
	Mean	5.90468	4.29787	4.87876	7.08472	11.09687
	SE Mean	0.07511	0.09066	0.11858	0.16180	0.27613
HLT_FP	Sample Size	101277	29183	40423	19834	11837
	Weighted Size	258974266	69441900	107059972	51315313	31157082
	Mean	0.10127	0.02555	0.06624	0.16633	0.28322
	SE Mean	0.00137	0.00116	0.00153	0.00342	0.00487

Remark on Examples

A comparison of the three SUDAAN examples shows that Method 2 performs quite well when compared to the "best" internal NCHS variance design for the NHIS. Based on limited preliminary evidence, it appears that for means, Method 2 typically provides standard errors in close agreement with, while slightly larger than, the standard errors produced by the NCHS "best" method. Method 1 tends to provide slightly larger standard errors than Method 2 does, although the sample output does include examples where the Method 1 standard error is smaller than the Method 2 standard error.

Reference:

(1977) Cochran, W. G. , *Sampling techniques* (3rd ed), John Wiley & Sons

Notes for Year 2000 application (added 01/21/98)

The variance estimation methods of this document may be applied to the Year 2000 Objectives Public Use File. The following changes must be made:

The design information variables are all in the same file locations with the exception of "WTF". Substitute:

WTF	207-212	'FINAL BASIC WEIGHT'
-----	---------	----------------------

The PSU check for **method 2** should now read:

As a check, the user should observe the following counts:

Certainty Strata PSUs	3804
Non-certainty Strata PSUs	259
Total PSUs	4063

Notes on the 1996 NHIS (added 04/17/98)

In 1996 the NHIS survey underwent a transition from a paper-and-pencil to a computer-assisted interview process. This transition resulted in roughly 5/8 of the available full sample being targeted for processing and public release. In 1997, the full sample was again implemented. For 1996 the reader should substitute the information on pages 3 and 4 and the top of page 5, with the 1996 information on the following pages.

Design Information Available on the 1996 NHIS Public Use Databases.

The following variables are used to produce code for variance estimation. Field locations below are from the PERSON level database, but may change on other databases; the user should check the file documentation.

<u>Variable Name</u>	<u>Location</u>	<u>Field Label</u>
STRAT96*	354-357	'COLLAPSED VARIANCE STRATUM'
PSU96*	358	'VARIANCE PSU '
SUB_V	342-343	'SUBSTRATUM FOR VARIANCE ESTIMATION'
SSU	344-350	'SECONDARY SAMPLING UNIT'
PANEL	352	'PANEL 4'
NSR96*	353	'NSR STATUS VARIABLE'
WTF	219-227	'FINAL BASIC WEIGHT'

(* indicates modified design variables added to the 1996 databases)

Two methods of variance estimation are now provided.

Method 1.96 - 98 Strata containing 3 PSUs per stratum sampled with replacement

Here, the NHIS universe has been partitioned into 98 collapsed strata with 3 PSUs per stratum. All PSUs are treated as sampled with replacement within their respective strata. This method will provide somewhat conservative standard errors, and this standard error estimator itself has less stability than the standard error estimator described by Method 2.96 below.

Coding required, (SAS[®] code provided):

```
STRATUM = INT ( STRAT96 / 10 ) * 10 ;
```

```
PSU = PANEL ;
```

Note, **INT ()** is the Integer-value SAS[®] function, e.g., INT (2.3) = 2

As a check the user should observe $98 * 3 = 294$ PSUs when using the full database.

For the above simplification of the NHIS sample design structure, the following SUDAAN[®] design statements may be used. (Note, the input file must first be sorted by STRATUM and PSU variables).

```
PROC ... DESIGN = WR;  
NEST STRATUM PSU ;  
WEIGHT WTF ;
```

Method 2.96 - Multiple PSUs per Stratum design sampled with replacement

This method provides for more statistically efficient variance estimation than Method 1.96, since it makes better use of the sampling design information. Its application is limited to software that can handle multiple PSUs per stratum, e.g., SUDAAN. For this method the original certainty PSUs are partitioned by aggregations of the original race-ethnic density strata used in sampling. The first randomly sampled unit is actually the SSU variable which is now treated as the PSU variable. (Note, a certainty PSU unit contributes nothing to the variance at the PSU sampling level). Non-certainty-strata PSUs are treated as being sampled with replacement within their respective strata.

Coding required, (SAS[®] code provided):

```
IF NSR96 = 1 THEN DO ; /* 1996 certainty strata PSUs */

    STRATUM = STRAT96*100 + SUB_V ;
    PSU     = SSU           ;
    END;

ELSE DO ; /* 1996 non-certainty PSU */ ;

    STRATUM = STRAT96 ;
    PSU     = PSU96   ;
    END;
```

As a check, the user should observe the following counts:

Certainty Strata PSUs	1736
Non-certainty Strata PSUs	240
Total PSUs	1976

For the Method 2.96 design structure, the following SUDAAN[®] design statements may be used. (Note, the input file must first be sorted by STRATUM and PSU variables.)

```
PROC ... DESIGN = WR;  
NEST STRATUM PSU ;  
WEIGHT WTF ;
```

; **CAUTION.** Both Method 1.96 and Method 2.96 should only be used on a full sample person data base. Using this method with subsetting data may lead to incorrectly computed standard errors. (See the section "Subsetting Data Analysis" in the 1995 section). If using a subsetting data set, the user should check the degree of agreement in the PSU counts with the values presented above for either of the two methods. Unlike Method 1 for 1995, Method 1.96 is **not** robust for analyzing subsetting survey data.

; CAUTION

A typically used rule-of-thumb for degrees of freedom to associate with a standard error is the quantity (number of PSUs - number of strata). This rule assumes that the PSUs are somewhat comparable in size. For Method 2.96 this rule may be grossly inaccurate since the concept of PSU is quite different for certainty and non-certainty strata. Certainty strata PSUs of Method 2.96 have small weighted values relative to those of non-certainty PSUs. The rule-of-thumb degrees of freedom for Method 1.96 is 196, and Method 2.96 should have a "true" degrees of freedom exceeding that of Method 1.96. However, for practical purposes, any degrees of freedom exceeding 120 can be treated as infinite, i.e., one uses a normal Z-statistic instead of a t-statistic for testing. Note, that a one-tailed critical $t_{0.025}$ at 120 degrees of freedom is 1.98 while at an infinite degrees of freedom (i.e., a z-value) is 1.96. If a variable of interest covers most of the NHIS PSUs, the limiting value would probably be adequate for analysis. The user should consult a mathematical statistician for discussion of degrees of freedom.

The observant reader may notice that the 1996 method 1.96 has a larger "rule of thumb" degrees of freedom than the corresponding 1995 method 1. The 1996 variance estimation design consists of collapsed strata that may introduce a much larger stratum-collapse bias than occurred in 1995, and furthermore, the PSUs within each 1996 collapsed stratum have greater PSU weight diversity than in 1995 which may reduce stability.

The section on **SUBSETTED DATA ANALYSIS** in the 1995 section should be read considering the changes provided in this 1996 section.

NATIONAL HEALTH INTERVIEW SURVEY (NHIS)
1996 FAMILY RESOURCES PUBLIC USE FILE

Outline of Items and Codes

63,402 Records

File Locations	Item No.	Frequency	Items and Codes
1-2	-		RECORD TYPE
		63,402	75. Family Resources (Imputed)
3-4	HH-2		PROCESSING YEAR
		63,402	96. 1996
5-14	Recode	-	HOUSEHOLD ID
15-16	-	-	PERSON NUMBER
17-18	-	-	BLANK (Record Serial Number on some other record types)
19-20	-		SAMPLING WEEK CODE (Numbered within quarter)
		3,680	01. Week 1
		3,422	02. Week 2
		5,414	03. Week 3
		4,966	04. Week 4
		5,009	05. Week 5
		4,867	06. Week 6
		5,512	07. Week 7
		5,183	08. Week 8
		5,390	09. Week 9
		4,992	10. Week 10
		4,714	11. Week 11
		5,128	12. Week 12
		5,125	13. Week 13

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
21	Recode		LATE INTERVIEW (OR LAST ATTEMPT) FLAG
		36,891	0. Interview not late
		18,591	1. One week late
		6,372	2. Two weeks late
		1,548	3. Unknown
22-23	HH-11c,d		TYPE OF LIVING QUARTERS:
			<u>Housing Unit = (00-07)</u>
		1,234	00. Housing unit; kind unknown
		58,363	01. House, apartment, flat
		37	02. HU in nontransient hotel, motel, etc.
		5	03. HU-permanent in transient hotel, motel, etc.
		20	04. HU in rooming house
		3,072	05. Mobile home or trailer with no permanent room added
		450	06. Mobile home or trailer with one or more permanent rooms added
		51	07. HU not specified above
			<u>Other Unit = (08-13)</u>
		39	08. Quarters not HU in rooming or boarding house
		3	09. Unit not permanent in transient hotel, motel, etc.
		14	10. Unoccupied site for mobile home, trailer, or tent
		90	11. Student quarters in college dormitory
		24	12. Other unit not specified above
		0	13. Other unit; kind unknown
24	HH-12		HAS TELEPHONE
		57,080	1. Yes, phone number given
		2,558	2. Yes, no phone number given
		3,099	3. No
		665	4. Unknown
25	A-1		SEX
		30,358	1. Male
		33,044	2. Female

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
26	-		AGE IMPUTED FLAG
		63,400	0. Age known
		2	1. Age unknown, imputed as 34
27-28	-	-	BLANK
29	Recode		AGE RECODE #1
		4,918	1. Under 5 years
		13,210	2. 5-17 years
		5,568	3. 18-24 years
		19,974	4. 25-44 years
		12,598	5. 45-64 years
		2,213	6. 65-69 years
		1,928	7. 70-74 years
		2,993	8. 75 years and over
30	Recode		AGE RECODE #2
		6,008	1. Under 6 years
		11,219	2. 6-16 years
		6,469	3. 17-24 years
		9,603	4. 25-34 years
		10,371	5. 35-44 years
		7,673	6. 45-54 years
		4,925	7. 55-64 years
		4,141	8. 65-74 years
		2,993	9. 75 years and over
31-32	Recode		AGE RECODE #3
		2,905	00-35. Months
		60,497	36. Over 3 years
33	-		MONTH OF BIRTH IMPUTED FLAG
		60,272	0. Month known
		3,090	1. Month unknown, '8' imputed
		40	9. Date of birth unknown

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
34-35	A-3	-	MONTH OF BIRTH
			01. January 08. August
			02. February 09. September
			03. March 10. October
			04. April 11. November
			05. May 12. December
			06. June 99. Unknown
			07. July
36-39	-	-	BLANK
40	Recode		HISPANIC ORIGIN IMPUTED FLAG
		62,712	0. Hispanic Origin Known
		690	1. Hispanic Origin Imputed from Reference Person
41-42	A-6		MAIN RACIAL BACKGROUND* - Reported (see notation for locations 43-45)
		46,996	01. White
		9,027	02. Black/African American**
		482	03. Indian (American)
		325	06. Chinese
		455	07. Filipino
		987	15. Other API (includes Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Samoan, and Guamanian)
		3,797	16. Other Race (includes Eskimo and Aleut)
		181	17. Multiple Race
		1,152	99. Unknown

* Some categories may be too small to analyze separately and therefore may produce unreliable estimates; in addition, counts may not agree with those produced by the Census Bureau.

** For convenience, the category 'Black/African American' will be shown as 'Black' in all observed race or race recode locations throughout the documentation.

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
<u>43-45</u>	Recode		RACE RECODES
43		51,962	<u>Recode 1*</u> 1. White
		9,065	2. Black
		2,375	3. Other
44		51,962	<u>Recode 2</u> 1. White
		11,440	2. Non-white
45		9,065	<u>Recode 3</u> 1. Black
		54,337	2. Non-black
46-47	A-5		HISPANIC ORIGIN**
		12	00. Multiple Hispanic
		1,387	01. Puerto Rican
		646	02. Cuban
		3,935	03. Mexican-Mexicano
		4,391	04. Mexican-American
		99	05. Chicano
		1,133	06. Other Latin American
		1,184	07. Other Spanish
		338	08. Spanish, DK type
		114	09. Unknown if Spanish origin
		50,163	10. Not Spanish origin
48	L-7		MARITAL STATUS
		14,293	0. Under 14 years
		28,314	1. Married - spouse in household
		494	2. Married - spouse not in household
		3,022	3. Widowed
		3,475	4. Divorced
		1,102	5. Separated
		12,070	6. Never married
		632	7. Unknown

*This recode is used to define race in the Current Estimates tables.

**If unknown, the family reference person code was imputed. A flag indicating imputation is in loc. 40 and the relationship to reference person is in loc. 63.

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
49	L-1		VETERAN STATUS
		38,331	1. Non-veteran
		1,311	3. WW I and WW II
		800	4. Korean War
		1,715	5. Vietnam veteran
		810	6. Post-Vietnam
		1,070	7. Other service
		163	8. Served in Armed Forces, unknown if war veteran
		1,074	9. Unknown if served in Armed Forces
		18,128	Blank. Under 18 years of age
50	L-1		ACTIVE GUARD/RESERVE STATUS FOR PERSONS ON ACTIVE DUTY IN ARMED FORCES
		38,331	0. Non-veteran
		363	1. All service in Guard/Reserve
		740	2. Some service in Guard/Reserve
		36	3. Unknown if all service in Guard/Reserve
		4,159	4. No active service in Guard/Reserve
		1,645	5. Unknown if ever active member in Guard/Reserve or served in Armed Forces
		18,128	Blank. Under 18 years of age
51-52	L-2		EDUCATION OF INDIVIDUAL - COMPLETED YEARS
		2,628	00. Never attended; kindergarten only
		36,181	01-12. Grades 1-12
			<u>College:</u>
		3,321	13. 1 year
		4,433	14. 2 years
		1,602	15. 3 years
		5,424	16. 4 years
		1,039	17. 5 years
		2,762	18. 6 years or more
		1,094	19. Unknown
		4,918	Blank. Under 5 years of age

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
53	Recode		EDUCATION OF INDIVIDUAL RECODE
		2,628	0. None; kindergarten only
		12,480	1. 1-8 years (elementary)
		7,494	2. 9-11 years (high school)
		16,207	3. 12 years (high school graduate)
		9,356	4. 1-3 years (college)
		5,424	5. 4 years (college graduate)
		3,801	6. 5+ years (post-college)
		1,094	7. Unknown
		4,918	Blank. Under 5 years of age
54-55	-		HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)
		151	00. Never attended; kindergarten only
		29,963	01-12. Grades 1-12
			<u>College:</u>
		4,719	13. 1 year
		7,364	14. 2 years
		2,688	15. 3 years
		9,589	16. 4 years
		2,073	17. 5 years
		6,048	18. 6 years or more
		807	19. Unknown
56	-		HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER Recode
		151	0. None; kindergarten only
		3,807	1. 1-8 years (elementary)
		5,471	2. 9-11 years (high school)
		20,685	3. 12 years (high school graduate)
		14,771	4. 1-3 years (college)
		9,589	5. 4 years (college graduate)
		8,121	6. 5+ years (post-college)
		807	7. Unknown

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
57	L-8		FAMILY INCOME ± \$20,000
		18,637	1. Less than \$20,000
		42,177	2. \$20,000 or more
		2,588	3. Unknown
58-59	L-8		FAMILY INCOME
		243	00. Less than \$1,000
		366	01. \$ 1,000 - \$ 1,999
		319	02. 2,000 - 2,999
		356	03. 3,000 - 3,999
		433	04. 4,000 - 4,999
		694	05. 5,000 - 5,999
		695	06. 6,000 - 6,999
		699	07. 7,000 - 7,999
		701	08. 8,000 - 8,999
		941	09. 9,000 - 9,999
		1,132	10. 10,000 - 10,999
		705	11. 11,000 - 11,999
		1,304	12. 12,000 - 12,999
		838	13. 13,000 - 13,999
		828	14. 14,000 - 14,999
		1,100	15. 15,000 - 15,999
		777	16. 16,000 - 16,999
		810	17. 17,000 - 17,999
		1,042	18. 18,000 - 18,999
		1,216	19. 19,000 - 19,999
		4,786	20. 20,000 - 24,999
		4,130	21. 25,000 - 29,999
		4,150	22. 30,000 - 34,999
		3,179	23. 35,000 - 39,999
		3,180	24. 40,000 - 44,999
		2,824	25. 45,000 - 49,999
		15,137	26. \$50,000 and over
		10,817	27. Unknown

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
60	Recode		FAMILY INCOME RECODE
		1,717	0. Under \$5,000
		1,389	1. \$ 5,000 - \$ 6,999
		2,341	2. 7,000 - 9,999
		4,807	3. 10,000 - 14,999
		4,945	4. 15,000 - 19,999
		4,786	5. 20,000 - 24,999
		8,280	6. 25,000 - 34,999
		9,183	7. 35,000 - 49,999
		15,137	8. \$50,000 or more
		10,817	9. Unknown
61	Generated		NHIS POVERTY INDEX*
		48,720	1. At or above poverty threshold
		8,572	2. Below poverty threshold
		6,110	3. Unknown
<u>62-63</u>			FAMILY RELATIONSHIP
62	A-2		<u>Type of Family</u>
		6,440	&. Primary individual
		684	-. Secondary individual
		56,152	0. Primary family
		126	1-9. Secondary family
63	A-2		<u>Relationship to Reference Person</u>
		6,048	&. Reference person, living alone
		18,770	0. Reference person, 2+ persons in household
		13,756	1. Spouse, other spouse NOT in Armed Forces and living at home
		151	2. Spouse, other spouse IN Armed Forces and living at home
		21,000	3. Child of reference person or spouse
		1,252	4. Grandchild of reference person or spouse
		645	5. Parent of reference person or spouse
		1,763	6. Other relative
		17	7. Child of military family with no eligible reference person
		0	9. Unknown

*Based on family size, number of children under 18 years of age and family income using the 1995 poverty levels derived from the August, 1996 Current Population Survey.

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
64	Recode		FAMILY RELATIONSHIP RECODE
		6,048	1. Living alone
		1,076	2. Living only with non-relative
		28,297	3. Living with spouse
		27,981	4. Living with relative - other
65-66	Generated	-	SIZE OF FAMILY*
			Unrelated individuals are coded 01
67	Generated		SIZE OF FAMILY RECODE
		62,665	1-8. Number of members
		737	9. 9+ members
68	A-2		PARENT/OTHER ADULT RELATIVE (under 25 years old and never married)
		13,233	1. Both parents, no other relative
		3,521	2. Mother only
		324	3. Father only
		1,835	4. Both parents and other 21+ year old adult relative
		1,271	5. Mother and other 21+ year old adult relative
		152	6. Father and other 21+ year old adult relative
		281	7. No parent, but one 21+ year old adult relative
		427	8. No parent, but two or more 21+ year old adult relatives
		164	9. Unknown
		849	0. Other
		41,345	Blank. Not applicable (25+ years old or ever married)

*Count includes spouse in military but living at home.

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
69	B-1 B-8		MAJOR ACTIVITY (18+ years old)
		28,283	1. Working
		7,516	2. Keeping house
		2,504	3. Going to school
		6,513	4. Something else
		458	5. Unknown
		18,128	Blank. Not applicable (Under 18 years)
70	G-4		HEALTH STATUS
		22,720	1. Excellent
		18,116	2. Very Good
		15,237	3. Good
		4,899	4. Fair
		1,697	5. Poor
		733	6. Unknown
71	Recode		ACTIVITY LIMITATION STATUS* - (all ages)
		3,018	1. Unable to perform major activity
		3,343	2. Limited in kind/amount major activity
		2,727	3. Limited in other activities
		54,314	4. Not limited (includes unknowns)
72	Recode		ACTIVITY LIMITATION STATUS MEASURED BY "ABILITY TO WORK" (18-69 years)
		2,829	1. Unable to work
		1,765	2. Limited in kind/amount of work
		1,490	3. Limited in other activities
		34,269	4. Not limited (includes unknowns)
		23,049	Blank. Not applicable (under 18 years, 70+ years)

*This location is used to categorize persons with limitation of activity in the Current Estimates tables.

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
73	B-11		LIMITATION OF SCHOOL ACTIVITIES (5-17 years)
		81	1. Unable to attend school
		438	2. Attends special school/classes
		74	3. Needs special school/classes
		124	4. Limited in school attendance
		282	5. Limited in other activities
		12,211	6. Not limited (includes unknowns)
		50,192	Blank. Not applicable (Under 5 years or 18+ years)
74	B-14		NEEDS HELP WITH PERSONAL CARE (5-59 years old and limited, or age 60-69 years)*
		408	1. Unable to perform personal care needs
		822	2. Limited in performing other routine needs
		8,488	3. Not limited in performing personal or routine needs
		404	4. Unknown
		53,280	Blank. Not applicable (Under 5 years; 5-59 years not limited; 70+ years old)

* For persons 70+ years, use location 71 to analyze 'Needs Help With Personal Care'; codes 1 and 2 in location 71 correspond to codes 1 and 2 in location 74.

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
75	D-1		EMPLOYMENT STATUS IN PAST 2 WEEKS (18+ years)
			<u>In the Labor Force:</u> (1-7)
			<u>Currently employed:</u> (1-3)
		28,767	1. Worked in past 2 weeks
		494	2. Did not work, has job; <u>not</u> on lay-off and not looking for work
		28	3. Did not work, has job; looking for work
			<u>Unemployed:</u> (4-7)
		93	4. Did not work, has job; on lay-off
		6	5. Did not work, has job; on lay-off <u>and</u> looking for work
		200	6. Did not work, has job; unknown if looking or on lay-off
		960	7. Did not work, has no job; looking for work or on lay-off
		14,726	8. Not in Labor Force (18+ years)
		18,128	Blank. Not applicable (Under 18 years old)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
76	L-6		CLASS OF WORKER
		14,726	0. Not in labor force
		21,596	1. Private company
		756	2. Federal Government employee
		1,388	3. State Government employee
		2,369	4. Local Government employee
		789	5. Incorporated business
		2,615	6. Self-employed
		29	7. Without pay
		35	8. Never worked
		971	9. Unknown
		18,128	Blank. Under 18 years old
77-79	-		BLANK
80-81	Recode	-	INDUSTRY RECODE 1
			SEE APPENDIX B
82-83	Recode	-	INDUSTRY RECODE 2
			SEE APPENDIX B
84-86	-		BLANK
87-88	Recode	-	OCCUPATION RECODE 1
			SEE APPENDIX C
89-90	Recode	-	OCCUPATION RECODE 2
			SEE APPENDIX C

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
91	L-R		RESPONDENT FOR CORE QUESTIONS
		27,761	1. Self (entirely)
		3,242	2. Self (partly)
		31,712	3. Proxy
		687	4. Unknown
92	Recode		CONDITION LIST ASSIGNED AND ASKED
		10,548	1. Condition List 1, Skin and musculoskeletal
		10,568	2. Condition List 2, Impairments
		10,388	3. Condition List 3, Digestive
		10,472	4. Condition List 4, Miscellaneous
		10,113	5. Condition List 5, Circulatory
		10,575	6. Condition List 6, Respiratory
		738	7. Unknown
93-94	G-5		HEIGHT WITHOUT SHOES (18+ years)
		363	58. 58 inches or less
		43,782	59-76. Number of inches
		246	77. 77 inches or more
		883	99. Unknown
		18,128	Blank. Under 18 years of age
95-97	G-5		WEIGHT WITHOUT SHOES (18+ years)
		288	097. 97 pounds or less
		42,919	098-289. Number of pounds
		320	290. 290 pounds or more
		1,747	999. Unknown
		18,128	Blank. Under 18 years of age
98-99	Recode		TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS
		57,092	00. None
		6,310	01-14. Days
100-101	D-4		BED DAYS IN PAST TWO WEEKS
		59,733	00. None
		3,669	01-14. Days

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
102-103	D-2		WORK-LOSS DAYS IN PAST TWO WEEKS
		61,810	00. None
		1,592	01-14. Days
104-105	D-3		SCHOOL-LOSS DAYS IN PAST TWO WEEKS
		62,431	00. None
		971	01-14. Days
106-107	D-6		OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS
		60,449	00. None
		2,953	01-14. Days
108-110	G-2		BED DAYS IN PAST 12 MONTHS
		35,920	000. None
		26,460	001-365. 1-365 days
		1,022	366. Unknown
111	Recode		BED DAYS IN PAST 12 MONTHS
		35,920	0. None
		20,817	1. 1-7 days
		4,084	2. 8-30 days
		1,243	3. 31-180 days
		316	4. 181-365 days
		1,022	5. Unknown
112-114	G-3		DOCTOR VISITS IN PAST 12 MONTHS
		15,335	000. None
		47,627	001-996. Visits
		0	997. 997+ visits
		440	998. Unknown

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
115	G-3		INTERVAL SINCE LAST DOCTOR VISIT
		182	0. Never
		48,478	1. Less than 1 year
		6,010	2. 1 to less than 2 years
		4,842	3. 2 to less than 5 years
		2,128	4. 5 years or more
		1,762	5. Unknown
116-117	Generated	-	NUMBER OF CONDITIONS
118-119	Generated	-	NUMBER OF ACUTE INCIDENCE CONDITIONS
120-121	Generated	-	NUMBER OF TWO-WEEK DOCTOR VISITS
122-123	Generated	-	NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
124-126	Generated	-	SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
127-128	Generated	-	NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS EXCLUDING DELIVERY*
129-131	Generated	-	SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS EXCLUDING DELIVERY*
132-133	Generated	-	NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS
134-136	Generated	-	NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
137-138	Generated	-	NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*
139-141	Generated	-	NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*
142-143	-	-	BLANK
144	L-9b		YEARS LIVED IN STATE OF PRESENT RESIDENCE
		1,766	1. Less than 1 year
		5,762	2. 1 yr., less than 5 yrs.
		6,429	3. 5 yrs., less than 10 yrs.
		5,243	4. 10 yrs., less than 15 yrs.
		32,468	5. 15 years or more
		3,051	9. Unknown
		8,683	Blank. Not applicable (foreign-born)
145	L-9c		YEARS LIVED IN UNITED STATES
		274	1. Less than 1 year
		1,339	2. 1 yr., less than 5 yrs.
		1,667	3. 5 yrs., less than 10 yrs.
		1,144	4. 10 yrs., less than 15 yrs.
		3,997	5. 15 years or more
		262	9. Unknown
		54,719	Blank. Not applicable (U.S. born)
146-171	-	-	BLANK

* Based on operation codes and reason entered hospital.

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
172-177	-	-	FINAL QUARTER BASIC WEIGHT BEFORE AGE-SEX-RACE/ETHNICITY ADJUSTMENT (has one implied decimal)
178			SAMPLING QUARTER
		16,902	1. Quarter 1
		19,814	2. Quarter 2
		13,470	3. Quarter 3
		13,216	4. Quarter 4
179-181			BLANK
182	Unit Control File		REGION
		12,500	1. Northeast
		13,606	2. Midwest
		21,982	3. South
		15,314	4. West
183-189			BLANK
190-200	-	-	CHRONIC CONDITION PREVALENCE AND INCIDENCE FACTOR (XX.XXXXXXXXXX) - character format with implied decimal
			FINAL BASIC WEIGHT
201-209	-	-	<u>QUARTER</u>
210-218	-	-	<u>SEMI-ANNUAL (QUARTER/2)</u>
219-227	-	-	<u>ANNUAL (QUARTER/4)</u>

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
			6.5 WEIGHT
228-236	-	-	<u>QUARTER, SEMI-ANNUAL AND ANNUAL*</u>
			ESTIMATED RESTRICTED ACTIVITY DAYS IN PAST 2 WEEKS
237-245	-	-	<u>QUARTER, SEMI-ANNUAL AND ANNUAL*</u>
			ESTIMATED BED DAYS IN PAST 2 WEEKS
246-254	-	-	<u>QUARTER, SEMI-ANNUAL AND ANNUAL*</u>
			ESTIMATED WORK-LOSS DAYS IN PAST 2 WEEKS
255-263	-	-	<u>QUARTER, SEMI-ANNUAL AND ANNUAL*</u>
			ESTIMATED SCHOOL-LOSS DAYS IN PAST 2 WEEKS
264-272	-	-	<u>QUARTER, SEMI-ANNUAL AND ANNUAL*</u>
			ESTIMATED DOCTOR VISITS IN PAST 12 MONTHS
273-281	-	-	<u>QUARTER</u>
282-290	-	-	<u>SEMI-ANNUAL</u>
291-299	-	-	<u>ANNUAL</u>
			ESTIMATED SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
300-308	-	-	<u>QUARTER</u>
309-317	-	-	<u>SEMI-ANNUAL</u>
318-326	-	-	<u>ANNUAL</u>
327-335	-	-	ANNUAL ESTIMATED NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS

* Estimates can be made for these periods depending on whether one quarter, two quarters or all four quarters of records are used.

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
336-341	-	-	BLANK
342-343	Recode	-	SUBSTRATUM FOR VARIANCE ESTIMATION
344-350	Generated	-	SECONDARY SAMPLING UNIT
351			BLANK
352	Unit Control File	63,402	PANEL 4 1-4. Code used to identify nationally representative subsamples
353		-	NSR STATUS VARIABLE
354-357		-	COLLAPSED VARIANCE STRATUM
358		-	VARIANCE PSU
359-399	-	-	BLANK

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
400	1a		HAD JOB OR BUSINESS
		14,293	0. Under 14
		29,769	1. Yes
		19,340	2. No
401	1b		WORKING FOR EMPLOYER OR SELF-EMPLOYED
		25,767	1. Employer only
		3,676	2. Self-employed only
		326	3. Both
		33,633	Blank. N.A. (Under 14; no job or business last month)
402-403	2a		NUMBER OF HOURS WORKED PER WEEK AT MAIN JOB
		25,767	01-80. 1-80+ hours per week
		37,635	Blank. N.A. (Under 14; not employed by employer only; no job or business last month)
404	2b		PAID BY HOUR AT MAIN JOB
		16,781	1. Yes
		8,986	2. No
		37,635	Blank. N.A. (Under 14; not employed by employer only; no job or business last month)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
405-409	2c		INCOME RECEIVED FROM MAIN JOB
		25,629	00000-10999. Dollars received
		138	11000. 11,000 dollars or more received
		37,635	Blank. N.A. (Under 14; not employed by employer only; no job or business last month)
410	2d		LENGTH OF TIME AT MAIN JOB
		6,295	1. One year or less
		5,353	2. More than 1 year up to 3 years
		3,158	3. More than 3 years up to 5 years
		4,572	4. More than 5 years up to 10 years
		6,389	5. More than 10 years
		37,635	Blank. N.A. (Under 14; not employed by employer only; no job or business last month)
411-412	2e		NUMBER OF HOURS AT OTHER JOBS
		24,367	00. Only worked one job
		1,293	01-80. 1-80+ hours per week
		107	90. Worked more than 1 job, unknown hours
		37,635	Blank. N.A. (Under 14; not employed by employer only; no job or business last month)
413-417	2f		INCOME RECEIVED FROM OTHER JOBS
		1,292	00000-00999. Dollars received
		108	01000. 1,000 dollars or more received
		62,002	Blank. N.A. (Under 14; not employed by employer only; no job or business last month; no other job)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
418-419	2g		NUMBER OF MONTHS HAD AT LEAST ONE JOB OR BUSINESS
		25,589	01-12. 1-12 months
		178	13. Worked at least one job, unknown number of months
		37,635	Blank. N.A. (Under 14; not employed by employer only; no job or business last month)
420-421	3a		NUMBER OF HOURS WORKED PER WEEK AT MAIN BUSINESS
		3,424	01-80. 1-80+ hours per week
		252	90. Worked at main business, unknown number of hours
		59,726	Blank. N.A. (Under 14; not self-employed; no job or business last month)
422-427	3b		INCOME RECEIVED FROM MAIN BUSINESS
422			LOSS
		149	1. Income loss from main business
		3,527	2. No income loss from main business
		59,726	Blank. N.A. (Under 14; not self-employed; no job or business last month)
423-427			DOLLAR AMOUNT RECEIVED
		3,455	00000-14999. Dollars received
		72	15000. 15,000 dollars or more received
		59,875	Blank. N.A. (Under 14, not self-employed; no job or business last month; income loss from main business)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
428	3c		LENGTH OF TIME AT MAIN BUSINESS
		391	1. One year or less
		559	2. More than 1 year up to 3 years
		394	3. More than 3 years up to 5 years
		721	4. More than 5 years up to 10 years
		1,611	5. More than 10 years
		59,726	Blank. N.A. (Under 14; not self-employed; no job or business last month)
429-430	3d		NUMBER OF HOURS AT OTHER BUSINESSES
		3,496	00. No other business
		149	01-80. 1-80+ hours per week
		31	90. Worked at other business, unknown number of hours
		59,726	Blank. N.A. (Under 14; not self-employed; no job or business last month)
431-436	3e		INCOME RECEIVED FROM OTHER BUSINESSES
431			LOSS
		2	1. Income loss from other business
		178	2. No income loss from other business
		63,222	Blank. N.A. (Under 14; not self-employed; no other business for self-employed; no job or business last month)
432-436			DOLLAR AMOUNT RECEIVED
		156	00000-00999. Dollars received
		22	01000. 1,000 dollars or more received
		63,224	Blank. N.A. (Under 14; not self-employed; no other business for self-employed; no job or business last month; income loss from other business)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
437-438	3f		NUMBER OF MONTHS SELF EMPLOYED IN OTHER BUSINESS
		170	01-12. 1-12 months
		10	13. Self-employed in other business, unknown number of months
		63,222	Blank. N.A. (Under 14; not self-employed; no other business for self-employed; no job or business last month)
439-440	3g		NUMBER OF MONTHS HAD AT LEAST ONE JOB OR BUSINESS
		3,672	01-12. 1-12 months
		4	13. Self-employed in at least one job or business; unknown number of months
		59,726	Blank. N.A. (Under 14; not self-employed; no job or business last month)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
441-473			EMPLOYMENT AND INCOME INFORMATION FOR THOSE WHO ARE BOTH SELF-EMPLOYED AND WORKING FOR AN EMPLOYER
441-442	4a		NUMBER OF HOURS WORKED PER WEEK AT MAIN JOB/BUSINESS
		326	01-80. 1-80+ hours per week
		63,076	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer)
443	4b		WAS IT JOB OR BUSINESS
		266	1. Job
		60	2. Business
		63,076	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer)
444	4c		PAID BY HOUR AT MAIN JOB
		150	1. Yes
		116	2. No
		63,136	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer; main work is a business)
445-449	4d		INCOME RECEIVED FROM MAIN JOB
		222	00000-03999. Dollars received
		44	04000. 4,000 dollars or more received
		63,136	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer; main work is a business)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
450-455	4e		INCOME RECEIVED FROM MAIN BUSINESS
450			LOSS
		4	1. Income loss from main business
		56	2. No income loss from main business
		63,342	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer; main work is a job)
451-455			DOLLAR AMOUNT RECEIVED
		26	00000-00999. Dollars received
		30	01000. 1,000 dollars or more received
		63,346	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer; main work is a job; income loss from main business)
456	4f		LENGTH OF TIME AT MAIN JOB/BUSINESS
		64	1. One year or less
		49	2. More than 1 year up to 3 years
		40	3. More than 3 years up to 5 years
		56	4. More than 5 years up to 10 years
		117	5. More than 10 years
		63,076	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
457-458	4g		NUMBER OF HOURS AT OTHER JOB/BUSINESSES
		261	01-80. 1-80+ hours per week
		46	90. Worked at main job or business, unknown number of hours
		63,095	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer; no other job and no other business)
459-464	4h		INCOME RECEIVED FROM OTHER BUSINESSES
459			LOSS
		17	1. Income loss from other business
		309	2. No income loss from other business (includes no other job or business)
		63,076	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer)
460-464			DOLLAR AMOUNT RECEIVED
		171	00000-00999. Dollars received
		46	01000. 1,000 dollars or more received
		92	99997. No other business
		63,093	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer; income loss from other business)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
465-469	4i		INCOME RECEIVED FROM OTHER JOBS
		44	00000-00999. Dollars received
		18	01000. 1,000 dollars or more received
		264	99997. No other job
		63,076	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer)
470-471	4j		NUMBER OF MONTHS SELF-EMPLOYED
		316	01-12. 1-12 months
		10	13. Self-employed, unknown number of months
		63,076	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer)
472-473	4k		NUMBER OF MONTHS HAD AT LEAST ONE JOB OR BUSINESS
		323	01-12. 1-12 months
		3	13. Worked unknown number of months
		63,076	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer)
474	5a		NUMBER EMPLOYEES AT ALL SITES
		6,760	1. 1-9
		2,689	2. 10-24
		2,098	3. 25-49
		1,951	4. 50-99
		3,722	5. 100-499
		1,542	6. 500-999
		10,499	7. 1000 or more
		34,141	Blank. N.A. (Under 18; no job or business in last month)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
475	5b		BLANK
476	6a		ANYONE IN FAMILY RECEIVE SOCIAL SECURITY/RAILROAD RETIREMENT
		12,911	1. Yes
		50,491	2. No
477	6b		SOCIAL SECURITY/RAILROAD RETIREMENT BY PERSON
		8,749	1. Yes
		54,653	2. No
478-481	6d		DOLLAR AMOUNT RECEIVED-SS/RR FOR PERSON
		8,457	0001-1199. Dollars received from SS/RR
		292	1200. 1,200 dollars or more received from SS/RR
		54,653	Blank. N.A. (SS/RR not received)
482-483	Recode		RECEIVED SS/RR FOR NUMBER OF MONTHS
		3,429	01-60. 1-60 Months
		5,320	61. 61+ months
		54,653	Blank. N.A. (Did not receive SS/RR)
484	6f		SS/RR RECEIVED AS DISABILITY BENEFIT
		1,131	1. Yes
		1,040	2. No
		61,231	Blank. N.A. (SS/RR not received; 65 years of age and older)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
485	6g		RECEIVE SS/RR DUE TO OWN DISABILITY
		955	1. Yes
		176	2. No
		62,271	Blank. N.A. (SS/RR not received; SS/RR not received as a disability benefit; 65 years of age and older)
486	7a		ANYONE IN FAMILY APPLIED FOR SSA DISABILITY
		3,936	1. Yes
		59,466	2. No
487	7b		PERSON APPLIED FOR SSA DISABILITY
		1,614	1. Yes
		61,788	2. No
488-489	7d		NUMBER TIMES PERSON APPLIED FOR SSA DISABILITY
		1,612	01-20. 1-20 times
		2	21. 21+ times
		61,788	Blank. N.A. (Did not apply for SSA disability)
490	8a		ANYONE IN FAMILY RECEIVE SSI
		3,439	1. Yes
		59,963	2. No
491	8b		SSI FOR PERSON
		1,456	1. Yes
		61,946	2. No

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
492-495	8d		DOLLAR AMOUNT RECEIVED - SSI FOR PERSON
		1,347	0001-0599. Dollars received from SSI
		109	0600. 600 dollars or more received from SSI
		61,946	Blank. N.A. (SSI not received)
496-497	Recode		PERSON RECEIVED SSI FOR NUMBER OF MONTHS
		806	01-60. 1-60 Months
		650	61. 61+ months
		61,946	Blank. N.A. (Did not receive SSI)
498	9a		ANYONE IN FAMILY APPLIED FOR SSI
		2,282	1. Yes
		61,120	2. No
499	9b		PERSON APPLIED FOR SSI
		935	1. Yes
		62,467	2. No
500-501	9d		NUMBER TIMES PERSON APPLIED FOR SSI
		934	01-20. 1-20 times
		1	21. 21+ times
		62,467	Blank. N.A. (Did not apply for SSI)

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File Locations	Item No.	Frequency	Items and Codes
502	10a		ANYONE IN FAMILY RECEIVE ANY OTHER DISABILITY PENSION
		1,213	1. Yes
		62,189	2. No
503	10b		DISABILITY PENSION FOR PERSON
		511	1. Yes
		62,891	2. No
504-507	10d		DOLLAR AMOUNT RECEIVED FROM OTHER DISABILITY PENSION FOR PERSON
		480	0001-1999. Dollars received from disability pension
		31	2000. 2,000 dollars or more received from other disability pension
		62,891	Blank. N.A. (Did not receive other disability pension)
508	11a		ANYONE IN FAMILY RECEIVE OTHER PENSION
		6,370	1. Yes
		57,032	2. No

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
509	11b		PERSON RECEIVED OTHER PENSION
		3,527	1. Yes
		59,875	2. No
510-514	11d		DOLLAR AMOUNT RECEIVED FROM OTHER PENSION FOR PERSON
		3,421	00001-03349. Dollars received from other pension
		106	03350. 3,350 dollars or more received from other pension
		59,875	Blank. N.A. (Did not receive other pension)
515	12a		ANYONE IN FAMILY RECEIVE WELFARE
		4,730	1. Yes
		47,764	2. No
		10,908	Blank. N.A. (Single person or married couple only household with \$20,000+ annual income)
516	12b		PERSON RECEIVED WELFARE
		2,749	1. Yes
		49,745	2. No
		10,908	Blank. N.A. (Single person or married couple only household with \$20,000+ annual income)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
517	12d		TYPE OF WELFARE RECEIVED
		2,425	1. AFDC
		315	2. Other
		9	3. Both
		60,653	Blank. N.A. (Single person or married couple only household with \$20,000+ annual income; did not receive welfare)
518-519	12e		NUMBER OF MONTHS RECEIVED PAYMENTS
		2,615	01-12. 1-12 months
		134	13. Received welfare unknown number of months
		60,653	Blank. N.A. (Single person or married couple only household with \$20,000+ annual income; did not receive welfare)
520-523	12f		DOLLAR AMOUNT RECEIVED FROM WELFARE FOR PERSON
		2,619	0001-0399. Dollars received from welfare
		130	0400. 400 dollars or more received from welfare
		60,653	Blank. N.A. (Single person or married couple only household with \$20,000+ annual income; did not receive welfare)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
524	13a		ANYONE IN FAMILY RECEIVE FOOD STAMPS (REFERENCE PERSON ONLY)
		2,113	1. Yes
		15,073	2. No
		46,216	Blank. N.A. (Single person or married couple only household with \$20,000+ annual income; not reference person)
525-528	13b		TOTAL VALUE OF FOOD STAMP ALLOTMENT (REFERENCE PERSON ONLY)
		2,005	0001-0399. Dollar value of foodstamps
		108	0400. 400 dollars or more value of foodstamps
		61,289	Blank. N.A. (Single person or married couple only household with \$20,000+ annual income; did not receive food stamps)
529	14a		ANYONE IN FAMILY EARN INTEREST MONEY
		31,125	1. Yes
		32,277	2. No
530	14b		PERSON EARNED INTEREST
		22,839	1. Yes
		40,563	2. No
531-534	14d		DOLLAR AMOUNT RECEIVED FROM INTEREST FOR PERSON
		22,386	0001-0999. Dollars received from interest
		453	1000. 1,000 dollars or more received from interest
		40,563	Blank. N.A. (Did not receive interest income)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
535-536	14e, f		BLANK
537	15a		ANYONE IN FAMILY RECEIVE DIVIDEND INCOME
		9,193	1. Yes
		54,209	2. No
538	15b		PERSON RECEIVED DIVIDENDS
		5,797	1. Yes
		57,605	2. No
539-543	15d		AMOUNT RECEIVED FROM DIVIDEND FOR PERSON
539			LOSS
		106	1. Income loss from investments
		5,691	2. No income loss from investments
		57,605	Blank. N.A. (Did not receive dividend income)
540-543			DOLLAR AMOUNT
		5,519	0000-2599. Dollars received from dividends
		172	2600. 2,600 dollars or more received from dividends
		57,711	Blank. N.A. (Did not receive dividend income; income loss from investments)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
544-545	15e, f		BLANK
546	16a		ANYONE IN FAMILY RECEIVE INCOME FROM OTHER SOURCES
		5,992	1. Yes
		57,410	2. No
547	16b		INCOME FROM OTHER SOURCE(S) FOR PERSON
		2,446	1. Yes
		60,956	2. No
548-551	16d		DOLLAR AMOUNT RECEIVED FROM OTHER SOURCES FOR PERSON
		2,371	0001-1869. Dollars received from other sources
		75	1870. 1,870 dollars or more received from other sources
		60,956	Blank. N.A. (Did not receive other income)
552-553	16e, f		BLANK

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
554	17a		ANYONE OWN CAR, TRUCK, OR OTHER VEHICLE
		55,794	1. Yes
		7,608	2. No
555	17b		ESTIMATED WORTH OF VEHICLES
		7,077	1. Less than \$2000
		8,523	2. \$2000-\$4999
		9,975	3. \$5000-\$9999
		14,938	4. \$10,000-\$19,999
		12,743	5. \$20,000-\$49,999
		2,112	6. \$50,000-\$99,999
		426	7. \$100,000 or more
		7,608	Blank. N.A. (Did not own car, truck, or other vehicle)
			HOUSE/APT NOW:
556	18a(1)		OWNED OR BEING BOUGHT
		40,614	1. Yes
		22,788	2. No
557	18a(2)		RENTED FOR MONEY
		21,385	1. Yes
		1,403	2. No
		40,614	Blank. N.A. (House or apartment is owned or being bought)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
558	18a(3)		OCCUPIED WITHOUT PAYMENT OF MONEY RENT
		1,270	1. Yes
		133	2. No
		61,999	Blank. N.A. (House or apartment is owned or being bought, or rented)
559	18b		PRESENT VALUE OF THIS PLACE (HOUSE/APT OWNED OR BEING BOUGHT)
		3,224	1. Less than \$25,000
		5,161	2. \$25,000-\$49,999
		12,752	3. \$50,000-\$99,999
		13,613	4. \$100,000-\$199,999
		3,915	5. \$200,000-\$299,999
		1,484	6. \$300,000-\$499,999
		465	7. \$500,000 or more
		22,788	Blank. N.A.
560	18c		FULLY PAID OR MONEY OWED (HOUSE OR APT OWNED OR BEING BOUGHT)
		12,153	1. Fully paid for, nothing owed
		28,461	2. Still owe something
		22,788	Blank. N.A.
561	18d		AMOUNT OF MONTHLY MORTGAGE PAYMENT (HOUSE/APT BEING BOUGHT, STILL OWE SOMETHING)
		9,646	1. Less than \$500
		11,630	2. \$500-\$999
		6,334	3. \$1,000-\$1,999
		851	4. \$2,000 or more
		34,941	Blank. N.A.

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
562	18e		AMOUNT OF MONTHLY RENT (HOUSE/APT RENTED)
		12,084	1. Less than \$500
		8,514	2. \$500-\$999
		734	3. \$1,000-\$1,999
		53	4. \$2,000 or more
		42,017	Blank. N.A.
563	18f		MONTHLY RENT INCLUDES MEALS/ UTILITIES (HOUSE/APT RENTED)
		4,450	1. Yes
		16,935	2. No
		42,017	Blank. N.A.
564	19		OWN OTHER ASSETS
		13,493	1. Yes
		49,909	2. No
565	20a		OWN OTHER PROPERTY
		6,426	1. Yes
		7,067	2. No
		49,909	Blank. N.A. (No other assests)

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
566	20b		NET VALUE OTHER PROPERTY
		2,050	1. Less than \$25,000
		1,186	2. \$25,000-\$49,999
		1,407	3. \$50,000-\$99,999
		888	4. \$100,000-\$199,999
		353	5. \$200,000-\$299,999
		233	6. \$300,000-\$499,999
		309	7. \$500,000 or more
		56,976	Blank. N.A. (No other assests; own no other property)
567	21a		OWN BUSINESS, FARM, PROFESSIONAL PRACTICE
		4,570	1. Yes
		8,923	2. No
		49,909	Blank. N.A. (No other assets)
568	21b		NET VALUE BUSINESS, FARM, PROFESSIONAL PRACTICE
		1,848	1. Less than \$25,000
		432	2. \$25,000-\$49,999
		612	3. \$50,000-\$99,999
		590	4. \$100,000-\$199,999
		296	5. \$200,000-\$299,999
		298	6. \$300,000-\$499,999
		494	7. \$500,000 or more
		58,832	Blank. N.A. (No other assets; no other business)
569	22a		OTHER SAVINGS, ASSETS, PROPERTY
		8,012	1. Yes
		5,481	2. No
		49,909	Blank. N.A. (No other assets)

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File Locations	Item No.	Frequency	Items and Codes
570	22b		PRESENT VALUE OF OTHER ASSETS
		2,979	1. Less than \$25,000
		1,241	2. \$25,000-\$49,999
		1,201	3. \$50,000-\$99,999
		1,149	4. \$100,000-\$199,999
		451	5. \$200,000-\$299,999
		388	6. \$300,000-\$499,999
		603	7. \$500,000 or more
		55,390	Blank. N.A. (No other assets; do not own other savings, assets, or stock)
571-572	Recode		PERSON NUMBER OF REFERENCE PERSON
		4,316	00. Unknown person number
		58,931	01-28. Person number
		0	30-97. Person number
		125	98. Active duty military
		30	99. Non-household member
573	Recode		RESPONDENT STATUS
		23,864	1. Self
		35,235	2. Proxy
		4,303	9. Unknown respondent
574			DUMMY RECORD LOCATOR
		18	0. 1 record dummied
		2,594	1. Both records dummied
		60,790	Blank. Not a dummy
575-580			BLANK

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
581-586			TOTAL EDITED PERSON INCOME SUM OF 16 EDITED AMOUNTS (v2c, v2f, v3b, v3e, v4d, v4e, v4h, v4i, v6d, v8d, v10d, v11d, v12f, v14d, v15d, and v16d)*
		63,402	000000 to 019087 Dollars.
587-592			TOTAL EDITED FAMILY INCOME SUM OF TOTAL EDITED PERSON INCOME OF ALL PERSONS IN THAT FAMILY*
		63,402	000000 to 035105 Dollars.
593			MATRIX 3 ALLOCATION OF SOCIAL SECURITY/RR (Item 6b, and if applicable, Items 6d, 6e, 6f, 6g, 7b and 7d)
		59,244	0. Matrix not used
		4,158	1. Matrix used
594			MATRIX 3a ALLOCATION OF SOCIAL SECURITY/RR DOLLAR AMOUNT AND NO. OF MONTHS (Items 6d and 6e)
		61,209	0. Matrix not used
		2,193	1. Matrix used
595			MATRIX 3b ALLOCATION OF SOCIAL SECURITY/RR DISABILITY BENEFIT STATUS (Item 6f, and if applicable, Item 6g)
		63,214	0. Matrix not used
		188	1. Matrix used

* Item 13b (Total Value of Food Stamps) is not included in this total.

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File Locations	Item No.	Frequency	Items and Codes
596			MATRIX 3c ALLOCATION OF SOCIAL SECURITY/RR DUE TO DISABILITY (Item 6g)
		63,370	0. Matrix not used
		32	1. Matrix used
597			MATRIX 3d ALLOCATION OF SOCIAL SECURITY/RR DISABILITY STATUS (Item 7b, and if applicable, Item 7d)
		62,973	0. Matrix not used
		429	1. Matrix used
598			MATRIX 3e ALLOCATION OF SOCIAL SECURITY/RR NO. OF TIMES APPLIED (Item 7d)
		63,317	0. Matrix not used
		85	1. Matrix used
599			MATRIX 4 ALLOCATION OF SUPPLEMENTAL SECURITY INCOME (Items 8a, and if applicable, Items 8d, 8e, 9b and 9d)
		59,184	0. Matrix not used
		4,218	1. Matrix used
600			MATRIX 4a ALLOCATION OF SUPPLEMENTAL SECURITY INCOME DOLLAR AMOUNT AND NO. OF MONTHS (Items 8d and 8e)
		62,889	0. Matrix not used
		513	1. Matrix used

1996 NHIS FAMILY RESOURCES PUBLIC USE FILE

File Locations	Item No.	Frequency	Items and Codes
601			MATRIX 4b ALLOCATION OF SUPPLEMENTAL SECURITY INCOME APPLIED FOR SSI (Item 9b, and if applicable, Item 9d)
		63,060	0. Matrix not used
		342	1. Matrix used
602			MATRIX 4c ALLOCATION OF SUPPLEMENTAL SECURITY INCOME NO. OF TIMES APPLIED FOR SSI (Item 9d)
		63,342	0. Matrix not used
		60	1. Matrix used
603			MATRIX 5 ALLOCATION OF PUBLIC ASSISTANCE OR WELFARE (Item 12b, and if applicable, Items 12d, 12e, and 12f)
		55,826	0. Matrix not used
		7,576	1. Mactix used
604			MATRIX 5a ALLOCATION OF PUBLIC ASSISTANCE/WELFARE DOLLAR AMOUNT AND NO. OF MONTHS (Items 12e and 12f)
		63,097	0. Matrix not used
		305	1. Mactix used
605			MATRIX 6 ALLOCATION OF TYPE OF WELFARE RECEIVED (Item 12d)
		63,217	0. Matrix not used
		185	1. Mactix used

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File Locations	Item No.	Frequency	Items and Codes
606			MATRIX 11 ALLOCATION OF JOB STATUS (Item 2a)
		60,584	0. Matrix not used
		2,818	1. Matrix used
607			MATRIX 12 ALLOCATION OF CLASS OF WORKER (Item 1b)
		62,000	0. Matrix not used
		1,402	1. Matrix used
608			MATRIX 12a ALLOCATION OF WHETHER JOB OR BUSINESS (Item 4b)
		63,348	0. Matrix not used
		54	1. Matrix used
609			MATRIX 13 ALLOCATION OF MONTHS WORKED - EMPLOYEE ONLY (Item 2g)
		60,514	0. Matrix not used
		2,888	1. Matrix used
610			MATRIX 13a ALLOCATION OF MONTHS WORKED - SELF-EMPLOYED ONLY (Item 3g)
		62,860	0. Matrix not used
		542	1. Matrix used
611			MATRIX 13b ALLOCATION OF MONTHS WORKED - BOTH EMPLOYEE AND SELF-EMPLOYED (Item 4k)
		63,346	0. Matrix not used
		56	1. Matrix used

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File Locations	Item No.	Frequency	Items and Codes
612			MATRIX 14 ALLOCATION OF HOURS PER WEEK AND WHETHER HOURLY AT MAIN JOB AND/OR HOURS PER WEEK AT OTHER JOBS (Items 2a, 2b and/or 2c)
		59,209	0. Matrix not used
		4,193	1. Matrix used
613			MATRIX 14a ALLOCATION OF HOURS PER WEEK AT MAIN BUSINESS AND/OR HOURS PER WEEK AT OTHER BUSINESS (Items 3a, and/or 3d)
		62,968	0. Matrix not used
		434	1. Matrix used
614			MATRIX 14b ALLOCATION OF HOURS PER WEEK AND WHETHER HOURLY AT MAIN JOB/BUSINESS AND/OR HOURS PER WEEK AT OTHER JOBS/BUSINESS (Items 4a, 4c and/or 4g)
		63,319	0. Matrix not used
		83	1. Matrix used
615			MATRIX 15 ALLOCATION OF EARNINGS OF EMPLOYEE ONLY WORKER AND LENGTH OF TIME AT MAIN JOB (Items 2c, 2d and/or 2f)
		54,710	0. Matrix not used
		8,692	1. Matrix used
616			MATRIX 16 ALLOCATION OF EARNINGS OF SELF-EMPLOYED ONLY WORKER, LENGTH OF TIME AT MAIN BUSINESS AND MONTHS SELF-EMPLOYED (Items 3b, 3c, 3e and 3f)
		61,600	0. Matrix not used
		1,802	1. Matrix used

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File Locations	Item No.	Frequency	Items and Codes
617			MATRIX 17 ALLOCATION OF EARNINGS OF WORKERS - BOTH SELF-EMPLOYED AND EMPLOYER JOBS, LENGTH OF TIME AT MAIN JOB/BUSINESS AND MONTHS SELF-EMPLOYED (Items 4d, 4e, 4f, 4h, 4i and 4j)
		63,237	0. Matrix not used
		165	1. Mactix used
618			MATRIX 18 ALLOCATION OF OTHER DISABILITY PENSIONS (Item 10b, and if applicable, Item 10d)
		59,113	0. Matrix not used
		4,289	1. Matrix used
619			MATRIX 18a ALLOCATION OF OTHER DISABILITY PENSIONS DOLLAR AMOUNT (Item 10d)
		63,315	0. Matrix not used
		87	1. Matrix used
620			MATRIX 19 ALLOCATION OF OTHER RETIREMENT OR SURVIVOR PENSION (Item 11b and if applicable, Item 11d)
		59,063	0. Matrix not used
		4,339	1. Matrix used
621			MATRIX 19a ALLOCATION OF OTHER RETIREMENT OR SURVIVOR PENSIONS DOLLARS AMOUNT (Item 11d)
		62,659	0. Matrix not used
		743	1. Matrix used

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File Locations	Item No.	Frequency	Items and Codes
622			MATRIX 20 ALLOCATION OF FOOD STAMPS (Item 13a and if applicable, Item 13b)
		61,875	0. Matrix not used
		1,527	1. Matrix used
623			MATRIX 20a ALLOCATION OF FOOD STAMPS DOLLAR AMOUNT (Item 13b)
		63,228	0. Matrix not used
		174	1. Matrix used
624			MATRIX 21 ALLOCATION OF INTEREST INCOME (Item 14b and if applicable, Item 14d)
		57,645	0. Matrix not used
		5,757	1. Matrix used
625			MATRIX 21a ALLOCATION INTEREST INCOME DOLLAR AMOUNT (Item 14d) - FOR PERSONS WHO GAVE DOLLAR RANGES (Items 14e or 14f)
		56,269	0. Matrix not used
		7,133	1. Matrix used
626			MATRIX 21b ALLOCATION OF INTEREST INCOME DOLLAR AMOUNT (Item 14d)
		54,874	0. Matrix not used
		8,528	1. Matrix used
627			MATRIX 22 ALLOCATION OF DIVIDEND INCOME (Item 15b and if applicable, Item 15d)
		57,643	0. Matrix not used
		5,759	1. Matrix used

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File Locations	Item No.	Frequency	Items and Codes
628			MATRIX 22a ALLOCATION OF DIVIDEND INCOME DOLLAR AMOUNT (Item 15d) - FOR PERSONS WHO GAVE DOLLAR RANGES (Items 15e and/or Item 15f)
		62,366	0. Matrix not used
		1,036	1. Matrix used
629			MATRIX 22b ALLOCATION OF DIVIDEND INCOME DOLLAR AMOUNT (Items 15d)
		60,846	0. Matrix not used
		2,556	1. Matrix used
630			MATRIX 23 ALLOCATION OF ALL OTHER INCOME (Item 16b and if applicable, Item 16d)
		58,731	0. Matrix not used
		4,671	1. Matrix used
631			MATRIX 23a ALLOCATION OF ALL OTHER INCOME DOLLAR AMOUNT (Item 16d) - FOR PERSONS WHO GAVE DOLLAR RANGES (Item 16e and/or Item 16f)
		63,337	0. Matrix not used
		65	1. Matrix used
632			MATRIX 23b ALLOCATION OF ALL OTHER INCOME DOLLAR AMOUNT (Item 16d)
		63,161	0. Matrix not used
		241	1. Matrix used

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File Locations	Item No.	Frequency	Items and Codes
633			MATRIX 24 ALLOCATION OF CAR, TRUCK OWNERSHIP AND/OR WORTH OF VEHICLES (Items 17a and/or 17b)
		59,181	0. Matrix not used
		4,221	1. Matrix used
634			MATRIX 24a ALLOCATION OF WORTH OF VEHICLES (Item 17b)
		59,626	0. Matrix not used
		3,776	1. Matrix used
635			MATRIX 25 ALLOCATION OF HOUSE OWNERSHIP, RENTER STATUS AND APPLICABLE HOUSING VARIABLES (Items 18a(1), 18a(2), 18a(3), and if applicable, Items 18b, 18c and 18d or 18e and 18f)
		59,165	0. Matrix not used
		4,237	1. Matrix used
636			MATRIX 25a ALLOCATION OF RENTER STATUS AND APPLICABLE HOUSING VARIABLES (Items 18a(2), 18a(3), and if applicable, Items 18b, 18c and 18d or 18e and 18f)
		63,311	0. Matrix not used
		91	1. Matrix used
637			MATRIX 25b ALLOCATION OF VALUE OF HOUSE, WHETHER FULLY PAID AND AMOUNT OF MORTGAGE (Items 18b, 18c, and if applicable, 18d)
		62,797	0. Matrix not used
		605	1. Matrix used

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File Locations	Item No.	Frequency	Items and Codes
638			MATRIX 25c ALLOCATION OF VALUE OF HOUSE AND AMOUNT OF MORTGAGE (Items 18b and 18d)
		62,893	0. Matrix not used
		509	1. Matrix used
639			MATRIX 25d ALLOCATION OF WHETHER HOUSE IF FULLY PAID AND AMOUNT OF MORTGAGE (Items 18c and 18d)
		63,024	0. Matrix not used
		378	1. Matrix used
640			MATRIX 25e ALLOCATION OF AMOUNT OF MORTGAGE (Item 18d)
		62,439	0. Matrix not used
		963	1. Matrix used
641			MATRIX 25f ALLOCATION OF VALUE OF HOUSE (Item 18b)
		61,481	0. Matrix not used
		1,921	1. Matrix used
642			MATRIX 25g ALLOCATION OF AMOUNT OF RENT AND WHETHER INCLUDES MEALS/UTILITIES (Items 18e and 18f)
		63,205	0. Matrix not used
		197	1. Matrix used

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File Locations	Item No.	Frequency	Items and Codes
643			MATRIX 25h ALLOCATION OF WHETHER RENT INCLUDES MEALS/UTILITIES (Item 18f)
		62,922	0. Matrix not used
		480	1. Matrix used
644			MATRIX 25i ALLOCATION OF AMOUNT OF RENT (Item 18e)
		63,117	0. Matrix not used
		285	1. Matrix used
645			MATRIX 26 ALLOCATION OF WHETHER OWN OTHER ASSETS AND APPLICABLE ASSETS OWNERSHIP VARIABLES (Items 19, 20a, 20b, 21a, 21b, 22a and 22b)
		58,066	0. Matrix not used
		5,336	1. Matrix used
646			MATRIX 26a ALLOCATION OF WHETHER OWN OTHER PROPERTY (Item 20a, and if applicable, Item 20b)
		63,244	0. Matrix not used
		158	1. Matrix used
647			MATRIX 26b ALLOCATION OF NET VALUE OTHER PROPERTY (Item 20b)
		62,524	0. Matrix not used
		878	1. Matrix used

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File Locations	Item No.	Frequency	Items and Codes
648			MATRIX 26c ALLOCATION OF WHETHER OWN BUSINESS, FARM, PROFESSIONAL PRACTICE (Item 21a, and if applicable, Item 21b)
		63,178	0. Matrix not used
		224	1. Matrix used
649			MATRIX 26d ALLOCATION OF NET VALUE BUSINESS, FARM, PROFESSIONAL PRACTICE (Item 21b)
		61,901	0. Matrix not used
		1,501	1. Matrix used
650			MATRIX 26e ALLOCATION OF OTHER SAVINGS, ASSETS, PROPERTY (Item 22a, if applicable, Item 22b)
		62,970	0. Matrix not used
		432	1. Matrix used
651			MATRIX 26f ALLOCATION OF NET VALUE OTHER SAVINGS, ASSETS, PROPERTY (Item 22b)
		61,751	0. Matrix not used
		1,651	1. Matrix used
652			MATRIX 27 ALLOCATION OF NO. OF EMPLOYEES - EMPLOYEE ONLY (Item 5a)
		57,567	0. Matrix not used
		5,835	1. Matrix used

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File			
Locations	Item No.	Frequency	Items and Codes
653			MATRIX 28 ALLOCATION OF NO. OF EMPLOYEES - SELF-EMPLOYED ONLY (Item 5a)
		62,941	0. Matrix not used
		461	1. Matrix used
654			MATRIX 29 ALLOCATION OF NO. OF EMPLOYEES - BOTH EMPLOYEE AND SELF-EMPLOYED (Item 5a)
		63,340	0. Matrix not used
		62	1. Matrix used
655			BLANK
