

1995 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 1995 Family Resources questionnaire for the NHIS. The other portions of the Family Resources Questionnaire or Section III from 1995 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 divided between the staff of the Division of Health Interview Statistics (DHIS) and the Survey Research Center (SRC) at the University of Michigan (under the direction of James Lepkowski). The imputation methods designed and programmed by the staff at SRC 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. It is entitled: "Imputation for the 1995 National Health Interview Survey Family Resources Supplement: Documentation" by James M. Lepkowski. Description of several important aspects of the file follow. Data that have been modified are identified by flag fields (please 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 1995 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) refer to 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).

1

2. The 1995 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 U.S. Census Bureau and modified and programmed by staff of the SRC at the University of Michigan under cooperative agreement #S278-15/15. 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 addition to imputation, the income fields are also top-coded in a fashion similar to the procedures used at the Bureau of the Census to protect the confidentiality of the respondent. Briefly for low frequency fields, the top 3% of the records were top-coded and for higher frequency fields, .5% of the fields were top-coded. In both cases, the top-coded records were allocated to the uppermost continuous value.

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 1995, 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 listing of cross-referencing fields for each flag appears on the last page of this documentation. Data users should be aware that some fields are cross-referenced between data items.

3. As a result of the Federal government furlough, three weeks of data collection were omitted in December of 1995. The weights have been adjusted for the smaller fourth quarter sample to produce national estimates. However, there may be a minor seasonal effect which is not corrected by the weighting.

1

-3-

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 persons who did not report the income items, the first time they were asked.
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 1995 FR file is arranged in the following manner:
 - a. The NHIS person record from the core questionnaire (locations 1-200)
 - b. The weight fields (locations 201-335)
 - c. Fields needed for calculating variances (locations 337-352)
 - 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 in 1995.)

7. Weights and variances

Since the NHIS uses a multistage 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 1995 file:

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

The Final Basic Weight (location 219-227) is the equivalent of the Annual Final Basic Weight found on the NHIS Person Record

1

-4-

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 Family Resources 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. 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 1995 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 programs that yield variance estimates for data based on complex sample surveys. Some are based on replication approaches and others are based on Taylor linearization approaches. In addition to the Final Quarter Basic Weight before age-sex-race/ethnicity adjustment (which is the weight prior to post-stratification), included on the Family Resources file is the stratum (loc. 337-340), the PSU (loc. 341), the substratum (loc. 342-343), the Type of PSU (loc. 351), and Panel 4 (loc. 352) to permit the analyst the capability of doing variance estimation procedures. These variables and weights are necessary for directly calculating sampling variances. See the attached documentation on variance estimation for 1995 data.

1

-5-

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. 1995.

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 1995.

- 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 1995.

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:

$$\begin{aligned} & \text{Number of discharges} \times 2 \times \text{Final Basic Weight} \\ & = \text{Total number of discharges occurring in the} \\ & \quad \text{population in 1995.} \end{aligned}$$

1

-6-

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 (1995)

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

National Center for Health Statistics (1998). Data File Documentation, National Health Interview Survey of Family Resources, 1995 (machine readable data file and

documentation), National Center for Health Statistics,
Hyattsville, Maryland.

1

-7-

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.

1

1

IN-1

NATIONAL HEALTH INTERVIEW SURVEY
1995 FAMILY RESOURCES PUBLIC USE FILE
Outline of Items and Codes
102,467 Records

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-	102,467	RECORD TYPE 75. Family Resources
3-4	HH-2	102,467	PROCESSING YEAR 95. 1995
5-14	Generated		HOUSEHOLD ID
15-16	-		PERSON NUMBER
17-18	-		BLANK (Record Serial Number on other record types)
19-20	HH-3		SAMPLING WEEK CODE (Numbered within Quarter)
		6,472	01. Week 1
		8,329	02. Week 2
		8,319	03. Week 3
		7,866	04. Week 4
		8,788	05. Week 5
		8,282	06. Week 6
		8,508	07. Week 7
		8,644	08. Week 8
		8,530	09. Week 9
		8,878	10. Week 10
		6,634	11. Week 11
		6,637	12. Week 12

1

IN-2

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
21	Recode		LATE INTERVIEW (OR LAST ATTEMPT) FLAG
		56,099	0. Interview not late
		30,218	1. One week late
		10,824	2. Two weeks late
		5,326	3. Unknown
22-23	HH-11c,d		TYPE OF LIVING QUARTERS:
			Housing Unit = (00-07)
		1,996	00. Housing unit; kind unknown
		94,319	01. House, apartment, flat
		68	02. HU in nontransient hotel, motel, etc.
		10	03. HU-permanent in transient hotel, motel, etc.
		18	04. HU in rooming house
		4,615	05. Mobile home or trailer with no permanent room added
		932	06. Mobile home or trailer with one or more permanent rooms added
		68	07. HU not specified above
			Other Unit = (08-13)
		37	08. Quarters not HU in rooming or boarding house
		6	09. Unit not permanent in transient hotel, motel, etc.
		12	10. Unoccupied site for mobile trailer, or tent
		238	11. Student quarters in college dormitory
		146	12. Other unit not specified above
		2	13. Other unit; kind unknown

1

IN-3

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
----------------	----------	-----------	-----------------

24	HH-12		HAS TELEPHONE
		93,163	1. Yes, phone number given
		3,560	2. Yes, no phone number given
		4,685	3. No
		1,059	4. Unknown
25	A-1		SEX
		48,809	1. Male
		53,658	2. Female
26	-		BLANK
27-28	Person Column		AGE
		1,601	00. Under 1 year
		100,857	01-98. Number of years
		9	99. 99+ years of age
29	Recode		AGE RECODE #1
		8,216	1. Under 5 years
		21,495	2. 5-17 years
		9,098	3. 18-24 years
		31,703	4. 25-44 years
		20,000	5. 45-64 years
		3,787	6. 65-69 years
		3,325	7. 70-74 years
		4,843	8. 75 years and over

1

IN-4

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
30	Recode		AGE RECODE #2
		10,005	1. Under 6 years
		18,261	2. 6-16 years
		10,543	3. 17-24 years
		15,338	4. 25-34 years
		16,365	5. 35-44 years
		11,975	6. 45-54 years
		8,025	7. 55-64 years
		7,112	8. 65-74 years
		4,843	9. 75 years and over
31-32	Recode		AGE RECODE #3

4,776 00-35. Months
 97,691 36. Over 3 years

33	-	BLANK
----	---	-------

34-39	A-3	MONTH AND YEAR OF BIRTH
34-35		Month
		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		Year of Birth
		1800-1899. 1800-1899
		1900-1996. 1900-1996
		9999. Unknown

1

IN-5

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
40	Recode		HISPANIC ORIGIN IMPUTED FLAG
		100,879	0. Hispanic Origin Known
		1,588	1. Hispanic Origin Imputed from Reference Person

41-42	A-6		MAIN RACIAL BACKGROUND* - Reported (see notation for locations 43-45)
		77,262	01. White
		13,762	02. Black/African American**
		841	03. Indian (American)
		58	04. Eskimo
		20	05. Aleut
		711	06. Chinese
		609	07. Filipino
		105	08. Hawaiian
		322	09. Korean
		335	10. Vietnamese
		300	11. Japanese
		367	12. Asian Indian
		24	13. Samoan
		30	14. Guamanian

318	15. Other API
5,248	16. Other Race
218	17. Multiple Race
1,937	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 race recode locations throughout the documentation.

1

IN-6

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes	
43-45	Recode		RACE RECODES	
43			Recode 1*	
		84,503	1. White	Persons whose Main Racial Background (location 41-42) was "other" or "unknown" were classified in the following
		13,807	2. Black	
		4,157	3. Other	
44			Recode 2	
		84,503	1. White	recodes by using the racial background observed by the interviewer. Use of these recodes is recommended for estimating statistics for the groups shown here.
		17,964	2. Non-white	
45			Recode 3	
		13,807	1. Black	recodes by using the racial background observed by the interviewer. Use of these recodes is recommended for estimating statistics for the groups shown here.
		88,660	2. Non-black	
46-47	A-5		HISPANIC ORIGIN**	
		15	00. Multiple Hispanic	
		2,215	01. Puerto Rican	
		1,095	02. Cuban	
		5,627	03. Mexican-Mexicano	
		7,136	04. Mexican-American	
		290	05. Chicano	
		1,881	06. Other Latin American	
		2,054	07. Other Spanish	
		526	08. Spanish, DK type	
		276	09. Unknown if Spanish origin	
		81,352	10. Not Spanish origin	

* 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.

1

IN-7

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
48	L-7		MARITAL STATUS
		23,493	0. Under 14 years
		45,581	1. Married - spouse in household
		877	2. Married - spouse not in household
		5,072	3. Widowed
		5,550	4. Divorced
		1,696	5. Separated
		19,360	6. Never married
		838	7. Unknown
49	L-1		VETERAN STATUS
		61,311	1. Non-veteran
		20	2. WW I
		2,365	3. WW II
		1,470	4. Korean War
		2,853	5. Vietnam veteran
		1,173	6. Post-Vietnam
		1,757	7. Other service
		248	8. Served in Armed Forces, unknown if war veteran
		1,559	9. Unknown if served in Armed Forces
		29,711	Blank. Under 18 years of age
50	L-1		ACTIVE GUARD/RESERVE STATUS FOR PERSONS ON ACTIVE DUTY IN ARMED FORCES
		61,311	0. Non-veteran
		741	1. All service in Guard/Reserve
		1,398	2. Some service in Guard/Reserve
		37	3. Unknown if all service in Guard/Reserve
		6,921	4. No active service in Guard/Reserve
		2,348	5. Unknown if ever active member in Guard/Reserve or served in Armed Forces
		29,711	Blank. Under 18 years of age

1

IN-8

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
51-52	L-2		EDUCATION OF INDIVIDUAL - COMPLETED YEARS
		4,181	00. Never attended; kindergarten only
		58,883	01-12. Grades 1-12
			College:
		5,372	13. 1 year
		7,200	14. 2 years
		2,503	15. 3 years
		8,457	16. 4 years
		1,651	17. 5 years
		4,393	18. 6 years or more
		1,611	19. Unknown
		8,216	Blank. Under 5 years of age
53	Recode		EDUCATION OF INDIVIDUAL RECODE
		4,181	0. None; kindergarten only
		20,582	1. 1-8 years (elementary)
		11,879	2. 9-11 years (high school)
		26,422	3. 12 years (high school graduate)
		15,075	4. 1-3 years (college)
		8,457	5. 4 years (college graduate)
		6,044	6. 5+ years (post-college)
		1,611	7. Unknown
		8,216	Blank. Under 5 years of age

1

IN-9

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
54-55	-		HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)
		245	00. Never attended; kindergarten only
		49,189	01-12. Grades 1-12
			College:
		7,744	13. 1 year
		11,854	14. 2 years
		4,285	15. 3 years

15,099	16. 4 years
3,293	17. 5 years
9,588	18. 6 years or more
1,170	19. Unknown

56 - HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER Recode

245	0. None; kindergarten only
6,568	1. 1-8 years (elementary)
8,366	2. 9-11 years (high school)
34,255	3. 12 years (high school graduate)
23,883	4. 1-3 years (college)
15,099	5. 4 years (college graduate)
12,881	6. 5+ years (post-college)
1,170	7. Unknown

57 L-8 FAMILY INCOME \$20,000 or more

31,013	1. Less than \$20,000
67,486	2. \$20,000 or more
3,968	3. Unknown

1

IN-10

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
58-59	L-8		FAMILY INCOME
		578	00. Less than \$1,000
		559	01. \$ 1,000 - \$ 1,999
		587	02. 2,000 - 2,999
		681	03. 3,000 - 3,999
		768	04. 4,000 - 4,999
		1,090	05. 5,000 - 5,999
		1,255	06. 6,000 - 6,999
		1,277	07. 7,000 - 7,999
		1,309	08. 8,000 - 8,999
		1,454	09. 9,000 - 9,999
		1,945	10. 10,000 - 10,999
		1,285	11. 11,000 - 11,999
		2,146	12. 12,000 - 12,999
		1,272	13. 13,000 - 13,999
		1,455	14. 14,000 - 14,999
		1,767	15. 15,000 - 15,999
		1,300	16. 16,000 - 16,999
		1,178	17. 17,000 - 17,999
		1,710	18. 18,000 - 18,999
		2,025	19. 19,000 - 19,999
		7,879	20. 20,000 - 24,999
		6,739	21. 25,000 - 29,999
		6,823	22. 30,000 - 34,999

5,436	23.	35,000 - 39,999
5,367	24.	40,000 - 44,999
4,904	25.	45,000 - 49,999
22,944	26.	\$50,000 and over
16,734	27.	Unknown

60	Recode	FAMILY INCOME RECODE
	3,173	0. Under \$5,000
	2,345	1. \$ 5,000 - \$ 6,999
	4,040	2. 7,000 - 9,999
	8,103	3. 10,000 - 14,999
	7,980	4. 15,000 - 19,999
	7,879	5. 20,000 - 24,999
	13,562	6. 25,000 - 34,999
	15,707	7. 35,000 - 49,999
	22,944	8. \$50,000 or more
	16,734	9. Unknown

1

IN-11

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
61	Generated		NHIS POVERTY INDEX*
		78,385	1. At or above poverty threshold
		14,598	2. Below poverty threshold
		9,484	3. Unknown
62-63			FAMILY RELATIONSHIP
62	A-2		Type of Family
		10,446	&. Primary individual
		1,154	-. Secondary individual
		90,619	0. Primary family
		248	1-9. Secondary family
63	A-2		Relationship to Reference Person
		9,863	&. Reference person, living alone
		30,083	0. Reference person, 2+ persons in household
		22,210	1. Spouse, other spouse NOT in Armed Forces and living at home
		267	2. Spouse, other spouse IN Armed Forces and living at home
		34,219	3. Child of reference person or spouse
		2,168	4. Grandchild of reference person or spouse
		989	5. Parent of reference person or spouse
		2,633	6. Other relative

35	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 1994 poverty levels derived from the August, 1995 Current Population Survey.

1

IN-12

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
64	Recode		FAMILY RELATIONSHIP RECODE
		9,863	1. Living alone
		1,737	2. Living only with non-relative
		45,557	3. Living with spouse
		45,310	4. Living with relative - other
65-66	Generated		SIZE OF FAMILY* Unrelated individuals are coded 01
67	Generated		SIZE OF FAMILY RECODE
		101,167	1-8. Number of members
		1,300	9. 9+ members
68	A-2		PARENT/OTHER ADULT RELATIVE (under 25 years old and never married)
		21,780	1. Both parents, no other relative
		5,789	2. Mother only
		533	3. Father only
		2,768	4. Both parents and other 21+ year old adult relative
		1,989	5. Mother and other 21+ year old adult relative
		201	6. Father and other 21+ year old adult relative
		465	7. No parent, but one 21+ year old adult relative
		725	8. No parent, but two or more 21+ year old adult relatives
		321	9. Unknown
		1,471	0. Other
		66,425	Blank. Not applicable (25+ years old ever married)

or

* Count includes spouse in military but living at home.

1

IN-13

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
69	B-1 B-8		MAJOR ACTIVITY (18+ years old)
		44,756	1. Working
		12,561	2. Keeping house
		4,242	3. Going to school
		10,542	4. Something else
		655	5. Unknown
		29,711	Blank. Not applicable (Under 18 years)
70	G-4		HEALTH STATUS
		36,442	1. Excellent
		29,116	2. Very good
		24,830	3. Good
		7,868	4. Fair
		3,021	5. Poor
		1,190	6. Unknown
71	Recode		ACTIVITY LIMITATION STATUS*- (all ages)
		4,831	1. Unable to perform major activity
		5,585	2. Limited in kind/amount major activity
		4,558	3. Limited in other activities
		87,493	4. Not limited (includes unknowns)
72	Recode		ACTIVITY LIMITATION STATUS MEASURED BY "ABILITY TO WORK" (18-69 years)
		4,578	1. Unable to work
		3,073	2. Limited in kind/amount of work
		2,405	3. Limited in other activities
		54,532	4. Not limited (includes unknowns)
		37,879	Blank. Not applicable (under 18 years, 70+ years)

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

1

IN-14

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
73	B-11		LIMITATION OF SCHOOL ACTIVITIES (5-17 years)
		138	1. Unable to attend school
		696	2. Attends special school/classes
		103	3. Needs special school/classes
		210	4. Limited in school attendance
		457	5. Limited in other activities
		19,891	6. Not limited (includes unknowns)
		80,972	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)*
		710	1. Unable to perform personal care needs
		1,296	2. Limited in performing other routine needs
		14,101	3. Not limited in performing personal or routine needs
		597	4. Unknown
		85,763	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.

1

IN-15

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
75	D-1		EMPLOYMENT STATUS IN PAST 2 WEEKS (18+ years)
			In the Labor Force: (1-7)
			Currently employed: (1-3)
		45,836	1. Worked in past 2 weeks
		855	2. Did not work, has job; not on lay-off and not looking for work
		39	3. Did not work, has job; looking for work

Unemployed: (4-7)

129	4. Did not work, has job; on lay-off
10	5. Did not work, has job; on lay-off and looking for work
334	6. Did not work, has job; unknown if looking or on lay-off
1,550	7. Did not work, has no job; looking for work or on lay-off

Not in Labor Force (18+ years): (8)

24,003	8. Not in Labor Force (18+ years)
29,711	Blank. Not applicable (Under 18 years old)

1

IN-16

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
76	L-6		CLASS OF WORKER
		24,003	0. Not in labor force
		34,460	1. Private company
		1,293	2. Federal Government employee
		2,210	3. State Government employee
		3,907	4. Local Government employee
		1,263	5. Incorporated business
		4,135	6. Self-employed
		75	7. Without pay
		52	8. Never worked
		1,358	9. Unknown
		29,711	Blank. Under 18
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

1

IN-17

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
91	L-R		RESPONDENT FOR CORE
		44,903	1. Self-entirely
		5,717	2. Self-partly
		50,625	3. Proxy
		1,222	4. Unknown
92	Recode		CONDITION LIST ASSIGNED AND ASKED
		16,851	1. Condition List 1, Skin and musculoskeletal
		17,047	2. Condition List 2, Impairments
		17,220	3. Condition List 3, Digestive
		17,073	4. Condition List 4, Miscellaneous
		16,452	5. Condition List 5, Circulatory
		16,714	6. Condition List 6, Respiratory
		1,110	7. Unknown
93-94	G-5		HEIGHT WITHOUT SHOES (18+ years)
			36-98. Number of inches
			99. Unknown
			Blank. Under 18 years of age
95-97	G-5		WEIGHT WITHOUT SHOES (18+ years)
			050-500. Number of pounds
			501. Unknown
			Blank. Under 18 years of age
98-99	Recode		TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS
		91,663	00. None
		10,804	01-14. Days

1

IN-18

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
100-101	D-4		BED DAYS IN PAST TWO WEEKS
		96,254	00. None
		6,213	01-14. Days
102-103	D-2		WORK-LOSS DAYS IN PAST TWO WEEKS
		99,771	00. None
		2,696	01-14. Days
104-105	D-3		SCHOOL-LOSS DAYS IN PAST TWO WEEKS
		100,772	00. None
		1,695	01-14. Days
106-107	D-6		OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS
		97,198	00. None
		5,269	01-14. Days
108-110	G-2		BED DAYS IN PAST 12 MONTHS
		57,811	000. None
		43,178	001-365. 1-365 days
		1,478	366. Unknown
111	Recode		BED DAYS IN PAST 12 MONTHS - Recode
		57,811	0. None
		33,893	1. 1-7 days
		6,774	2. 8-30 days
		1,910	3. 31-180 days
		601	4. 181-365 days
		1,478	5. Unknown

1

IN-19

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
112-114	G-3		DOCTOR VISITS IN PAST 12 MONTHS

25,068	000. None
76,641	001-996. Visits
0	997. 997+ visits
758	998. Unknown

115	G-3		INTERVAL SINCE LAST DOCTOR VISIT
		285	0. Never
		78,144	1. Less than 1 year
		9,611	2. 1 to less than 2 years
		8,254	3. 2 to less than 5 years
		3,397	4. 5 years or more
		2,776	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*

* Based on Operation codes and reason entered hospital.

1

IN-20

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
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

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
		2,790	1. Less than 1 year
		9,443	2. 1 yr., less than 5 yrs.
		10,337	3. 5 yrs., less than 10 yrs.
		8,749	4. 10 yrs., less than 15 yrs.
		53,124	5. 15 years or more
		4,431	9. Unknown
		13,593	Blank. Not applicable (Foreign-born)
145	L-9c		YEARS LIVED IN UNITED STATES
		505	1. Less than 1 year
		2,216	2. 1 yr., less than 5 yrs.
		2,469	3. 5 yrs., less than 10 yrs.
		1,913	4. 10 yrs., less than 15 yrs.
		6,163	5. 15 years or more
		327	9. Unknown
		88,874	Blank. Not applicable (U.S. born)
146-171	-		BLANK

* Based on Operation codes and reason entered hospital.

1

IN-21

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
172-177	-		FINAL QUARTER BASIC WEIGHT BEFORE AGE-SEX-RACE-ETHNICITY ADJUSTMENT (has one implied decimal)
178	HH-5		SAMPLING QUARTER
		25,968	1. Quarter 1

28,084	2. Quarter 2
27,983	3. Quarter 3
20,432	4. Quarter 4

179-181 - BLANK

182	Unit Control File		REGION
		19,818	1. Northeast
		22,265	2. Midwest
		35,896	3. South
		24,488	4. West

183	Unit Control File		GEOGRAPHIC DISTRIBUTION
			MSA Size
		12,731	1. 5,000,000 or more
		12,191	2. 2,500,000 - 4,999,999
		25,602	3. 1,000,000 - 2,499,999
		11,729	4. 500,000 - 999,999
		12,371	5. 250,000 - 499,999
		7,337	6. 100,000 - 249,999
		1,261	7. Under 100,000
		19,245	Blank. Non-MSA

1

IN-22

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
184-185	-		BLANK
186	Unit Control File		MSA - NON-MSA RESIDENCE
		33,070	1. In MSA; in Central City
		50,152	2. In MSA; not in Central City
		19,245	3. Not in MSA
187-189	-		BLANK
190-200	-		CHRONIC CONDITION PREVALENCE AND INCIDENCE FACTOR (XX.XXXXXXXXXX) - character format with implied decimal

FINAL BASIC WEIGHT

201-209	-		QUARTER
---------	---	--	---------

210-218	-	SEMI-ANNUAL (WT/2)
219-227	-	ANNUAL (WT/4)

1

IN-23

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
			6.5 WEIGHT
228-236	-		QUARTER, SEMI-ANNUAL AND ANNUAL*
			ESTIMATED RESTRICTED ACTIVITY DAYS IN PAST 2 WEEKS
237-245	-		QUARTER, SEMI-ANNUAL AND ANNUAL*
			ESTIMATED BED DAYS IN PAST 2 WEEKS
246-254	-		QUARTER, SEMI-ANNUAL AND ANNUAL*
			ESTIMATED WORK-LOSS DAYS IN PAST 2 WEEKS
255-263	-		QUARTER, SEMI-ANNUAL AND ANNUAL*
			ESTIMATED SCHOOL-LOSS DAYS IN PAST 2 WEEKS
264-272	-		QUARTER, SEMI-ANNUAL AND ANNUAL*
			ESTIMATED DOCTOR VISITS IN PAST 12 MONTHS
273-281	-		QUARTER
282-290	-		SEMI-ANNUAL
291-299	-		ANNUAL

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

1

IN-24

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
			ESTIMATED SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
300-308	-		QUARTER
309-317	-		SEMI-ANNUAL
318-326	-		ANNUAL
327-335	-		ANNUAL ESTIMATED NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
336	-		BLANK
337-340	Recode		STRATA FOR VARIANCE ESTIMATION
341	Recode		PSU VOR VARIANCE ESTIMATION
342-343	Recode		SUBSTRATUM FOR VARIANCE ESTIMATION
344-350	Generated		SECONDARY SAMPLING UNIT
351	Unit Control File	67,410 35,057	TYPE OF PSU 1. Self representing 2. Non self representing
352	Unit Control File		PANEL 4 1-4. Code used to identify nationally representative subsamples
353-399			BLANK

1

IN-25

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
400	1a		HAD JOB OR BUSINESS

23,493	0. Under 14
47,353	1. Yes
31,621	2. No

401	1b		WORKING FOR EMPLOYER OR SELF-EMPLOYED
		41,118	1. Employer only
		5,657	2. Self-employed only
		578	3. Both
		55,114	Blank. N.A. (Under 14; no job or business last month)

402-403	2a		NUMBER OF HOURS WORKED PER WEEK AT MAIN JOB
		41,118	01-80. 1-80+ hours per week
		61,349	Blank. N.A. (Under 14; not employed by employer only; no job or business last month)

404	2b		PAID BY HOUR AT MAIN JOB
		26,681	1. Yes
		14,437	2. No
		61,349	Blank. N.A. (Under 14; not employed by employer only; no job or business last month)

1

IN-26

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
405-409	2c		INCOME RECEIVED FROM MAIN JOB
		40,856	00000-09999. Dollars received
		262	10000. 10,000 dollars or more received
		61,349	Blank. N.A. (Under 14; not employed by employer only; no job or business last month)

410	2d		LENGTH OF TIME AT MAIN JOB
		9,841	1. One year or less
		8,136	2. More than 1 year up to 3 years
		5,042	3. More than 3 years up to 5 years

7,735	4. More than 5 years up to 10 years
10,364	5. More than 10 years
61,349	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
		38,858	00. Only worked one job
		2,140	01-80. 1-80+ hours per week
		120	90. Worked more than 1 job, unknown hours
		61,349	Blank. N.A. (Under 14; not employed by employer only; no job or business last month)

413-417	2f		INCOME RECEIVED FROM OTHER JOBS
		2,246	00000-03499. Dollars received
		14	03500. 3,500 dollars or more received
		100,207	Blank. N.A. (Under 14; not employed by employer only; no job or business last month; no other job)

1

IN-27

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
418-419	2g		NUMBER OF MONTHS HAD AT LEAST ONE JOB OR BUSINESS
		40,748	01-12. 1-12 months
		370	13. Worked at least one job, unknown number of months
		61,349	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
		5,352	01-80. 1-80+ hours per week
		305	90. Worked at main business, unknown number of hours
		96,810	Blank. N.A. (Under 14; not self-employed; no job or business last month)

422-427	3b		INCOME RECEIVED FROM MAIN BUSINESS
422			LOSS
		272	1. Income loss from main business
		5,385	2. No income loss from main business
		96,810	Blank. N.A. (Under 14; not self-employed; no job or business last month)
423-427			DOLLAR AMOUNT RECEIVED
		5,354	00000-23999. Dollars received
		31	24000. 24,000 dollars or more received
		97,082	Blank. N.A. (Under 14; not self-employed; no job or business last month; income loss from main business)

1

IN-28

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
428	3c		LENGTH OF TIME AT MAIN BUSINESS
		709	1. One year or less
		868	2. More than 1 year up to 3 years
		667	3. More than 3 years up to 5 years
		1,010	4. More than 5 years up to 10 years
		2,403	5. More than 10 years
		96,810	Blank. N.A. (Under 14; not self-employed; no job or business last month)
429-430	3d		NUMBER OF HOURS AT OTHER BUSINESSES
		5,377	00. No other business
		246	01-80. 1-80+ hours per week
		34	90. Worked at other business, unknown number of hours
		96,810	Blank. N.A. (Under 14; not self-employed; no job or business last month)
431-436	3e		INCOME RECEIVED FROM OTHER BUSINESSES

431			LOSS
		13	1. Income loss from other business
		267	2. No income loss from other business
		102,187	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
		257	00000-02999. Dollars received
		10	03000. 3,000 dollars or more received
		102,200	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)

1

IN-29

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
437-438	3f		NUMBER OF MONTHS SELF EMPLOYED IN OTHER BUSINESS
		271	01-12. 1-12 months
		9	13. Self-employed in other business, unknown number of months
		102,187	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
		5,650	01-12. 1-12 months
		7	13. Self-employed in at least one job or business; unknown number of months
		96,810	Blank. N.A. (Under 14; not self-employed; no job or business last month)

1

IN-30

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape 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
		578	01-80. 1-80+ hours per week
		101,889	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
		469	1. Job
		109	2. Business
		101,889	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
		276	1. Yes
		193	2. No
		101,998	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
		454	00000-05999. Dollars received
		15	06000. 6,000 dollars or more received
		101,998	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)

1

IN-31

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
----------------	----------	-----------	-----------------

450-455	4e		INCOME RECEIVED FROM MAIN BUSINESS
450			LOSS
		11	1. Income loss from main business
		98	2. No income loss from main business
		102,358	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
		77	00000-02999. Dollars received
		21	03000. 3,000 dollars or more received
		102,369	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
		112	1. One year or less
		109	2. More than 1 year up to 3 years
		56	3. More than 3 years up to 5 years
		128	4. More than 5 years up to 10 years
		173	5. More than 10 years
		101,889	Blank. N.A. (Under 14; no job or business last month or not both self-employed and working for employer)

1

IN-32

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
457-458	4g		NUMBER OF HOURS AT OTHER JOB/BUSINESSES
		485	01-80. 1-80+ hours per week
		62	90. Worked at main job or business, unknown number of hours
		101,920	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
		0	1. Income loss from other business
		541	2. No income loss from other business (includes no other job or business)
		101,926	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
		380	00000-02999. Dollars received
		14	03000. 3,000 dollars or more received
		147	99997. No other business
		101,926	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)

1

IN-33

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
465-469	4i		INCOME RECEIVED FROM OTHER JOBS
		102	00000-01999. Dollars received
		10	02000. 2,000 dollars or more received
		466	99997. No other job
		101,889	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
		558	01-12. 1-12 months
		20	13. Self-employed, unknown number of months
		101,889	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
		574	01-12. 1-12 months
		4	13. Worked unknown number of months
		101,889	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
		10,647	1. 1-9
		4,290	2. 10-24
		3,170	3. 25-49
		2,837	4. 50-99
		5,789	5. 100-499
		2,502	6. 500-999
		17,246	7. 1000 or more
		55,986	Blank. N.A. (Under 18; no job or business in last month)

1

IN-34

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
475	5b		BLANK
476	6a		ANYONE IN FAMILY RECEIVE SOCIAL SECURITY/RAILROAD RETIREMENT
		22,004	1. Yes
		80,463	2. No
477	6b		SOCIAL SECURITY/RAILROAD RETIREMENT BY PERSON
		14,724	1. Yes
		87,743	2. No
478-481	6d		DOLLAR AMOUNT RECEIVED-SS/RR FOR PERSON
		14,296	0001-1199. Dollars received from SS/RR
		428	1200. 1,200 dollars or more received from SS/RR

		87,743	Blank. N.A. (SS/RR not received)
482-483	Recode		RECEIVED SS/RR FOR NUMBER OF MONTHS
		5,795	01-60. 1-60 Months
		8,929	61. 61+ months, years
		87,743	Blank. N.A.(Did not receive SS/RR)
484	6f		SS/RR RECEIVED AS DISABILITY BENEFIT
		1,846	1. Yes
		1,887	2. No
		98,734	Blank. N.A. (SS/RR not received; 65 years of age and older)

1

IN-35

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
485	6g		RECEIVE SS/RR DUE TO OWN DISABILITY
		1,572	1. Yes
		274	2. No
		100,621	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
		6,054	1. Yes
		96,413	2. No
487	7b		PERSON APPLIED FOR SSA DISABILITY
		2,425	1. Yes
		100,042	2. No
488-489	7d		NUMBER TIMES PERSON APPLIED FOR SSA DISABILITY
		2,420	01-20. 1-20 times
		5	21. 21+ times
		100,042	Blank. N.A. (Did not apply for SSA disability)
490	8a		ANYONE IN FAMILY RECEIVE SSI

5,139 1. Yes
97,328 2. No

491 8b SSI FOR PERSON

2,167 1. Yes
100,300 2. No

1

IN-36

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
492-495	8d		DOLLAR AMOUNT RECEIVED - SSI FOR PERSON
		2,022	0001-0599. Dollars received from SSI
		145	0600. 600 dollars or more received from SSI
		100,300	Blank. N.A. (SSI not received)
496-497	Recode		PERSON RECEIVED SSI FOR NUMBER OF MONTHS
		1,280	01-60. 1-60 months
		887	61. 61+ months
		100,300	Blank. N.A. (Did not receive SSI)
498	9a		ANYONE IN FAMILY APPLIED FOR SSI
		3,519	1. Yes
		98,948	2. No
499	9b		PERSON APPLIED FOR SSI
		1,429	1. Yes
		101,038	2. No
500-501	9d		NUMBER TIMES PERSON APPLIED FOR SSI
		1,429	01-20. 1-20 times
		0	21. 21+ times
		101,038	Blank. N.A.(Did not apply for SSI)

1

IN-37

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
502	10a		ANYONE IN FAMILY RECEIVE ANY OTHER DISABILITY PENSION
		2,066	1. Yes
		100,401	2. No
503	10b		DISABILITY PENSION FOR PERSON
		823	1. Yes
		101,644	2. No
504-507	10d		DOLLAR AMOUNT RECEIVED FROM OTHER DISABILITY PENSION FOR PERSON
		793	0001-2299. Dollars received from other disability pension
		30	2300. 2,300 dollars or more received from other disability pension
		101,644	Blank. N.A. (Did not receive other disability pension)
508	11a		ANYONE IN FAMILY RECEIVE OTHER PENSION
		10,304	1. Yes
		92,163	2. No

1

IN-38

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
509	11b		PERSON RECEIVED OTHER PENSION
		5,663	1. Yes
		96,804	2. No
510-514	11d		DOLLAR AMOUNT RECEIVED FROM OTHER PENSION FOR PERSON
		5,494	00001-03199. Dollars received from other pension
		169	03200. 3,200 dollars or more received from other

96,804 Blank. N.A. pension
 (Did not receive
 other pension)

515 12a ANYONE IN FAMILY RECEIVE WELFARE

8,496 1. Yes
 76,679 2. No
 17,292 Blank. N.A. (Single person or
 married couple only household with
 \$20,000+ annual income)

516 12b PERSON RECEIVED WELFARE

4,941 1. Yes
 80,234 2. No
 17,292 Blank. N.A. (Single person or
 married couple only household with
 \$20,000+ annual income)

1

IN-39

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
517	12d		TYPE OF WELFARE RECEIVED
		4,436	1. AFDC
		467	2. Other
		38	3. Both
		97,526	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
		4,736	01-12. 1-12 months
		205	13. Received welfare unknown number of months
		97,526	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
		4,789	0001-0449. Dollars received from welfare
		152	0450. 450 dollars or more

97,526 received from welfare
Blank. N.A. (Single person or
married couple only household with
\$20,000+ annual income; did not
receive welfare)

1

IN-40

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
524	13a		ANYONE IN FAMILY RECEIVE FOOD STAMPS (REFERENCE PERSON ONLY)
		3,352	1. Yes
		23,350	2. No
		75,765	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)
		3,251	0001-0449. Dollar value of food stamps
		101	0450. 450 dollars or more value of food stamps
		99,115	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
		51,798	1. Yes
		50,669	2. No
530	14b		PERSON EARNED INTEREST
		37,341	1. Yes
		65,126	2. No
531-534	14d		DOLLAR AMOUNT RECEIVED FROM INTEREST FOR PERSON
		35,909	0001-0499. Dollars received from interest
		1,432	0500. 500 dollars or more received from interest

65,126

Blank. N.A. (Did not receive interest income)

1

IN-41

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
535-536	14e		BLANK
537	15a		ANYONE IN FAMILY RECEIVE DIVIDEND INCOME
		15,077	1. Yes
		87,460	2. No
538	15b		PERSON RECEIVED DIVIDENDS
		9,178	1. Yes
		93,289	2. No
539-543	15d		AMOUNT RECEIVED FROM DIVIDEND FOR PERSON
539			LOSS
		221	1. Income loss from investments
		8,957	2. No income loss from investments
		93,289	Blank. N.A. (Did not receive dividend income)
540-543			DOLLAR AMOUNT
		8,677	0000-2499. Dollars received from dividends
		280	2500. 2,500 dollars or more received from dividends
		93,510	Blank. N.A. (Did not receive dividend income; income loss from investments)

1

IN-42

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
----------------	----------	-----------	-----------------

544-545	15e		BLANK
546	16a		ANYONE IN FAMILY RECEIVE INCOME FROM THER SOURCES
		8,238	1. Yes
		94,229	2. No
547	16b		INCOME FROM OTHER SOURCE(S) FOR PERSON
		3,424	1. Yes
		99,043	2. No
548-551	16d		DOLLAR AMOUNT RECEIVED FROM OTHER SOURCES FOR PERSON
		3,315	0001-1999. Dollars received from other sources
		109	2000. 2,000 dollars or more received from other sources
		99,043	Blank. N.A. (Did not receive other income)
552-553	16e		BLANK

1

IN-43

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
554	17a		ANYONE OWN CAR, TRUCK, OR OTHER VEHICLE
		89,834	1. Yes
		12,633	2. No
555	17b		ESTIMATED WORTH OF VEHICLES
		12,244	1. Less than \$2000
		13,680	2. \$2000-\$4999
		17,767	3. \$5000-\$9999
		23,787	4. \$10,000-\$19,999
		19,133	5. \$20,000-\$49,999
		2,725	6. \$50,000-\$99,999
		498	7. \$100,000 or more
		12,633	Blank. N.A. (Did not own car, truck, or other vehicle)

			HOUSE/APT NOW:
556	18a(1)		OWNED OR BEING BOUGHT
		65,839	1. Yes
		36,628	2. No

557	18a(2)		RENTED FOR MONEY
		34,267	1. Yes
		2,361	2. No
		65,839	Blank. N.A. (House or apartment is owned or being bought)

1

IN-44

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
558	18a(3)		OCCUPIED WITHOUT PAYMENT OF MONEY RENT
		2,133	1. Yes
		228	2. No
		100,106	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)
		5,403	1. Less than \$25,000
		9,250	2. \$25,000-\$49,999
		21,708	3. \$50,000-\$99,999
		20,748	4. \$100,000-\$199,999
		5,698	5. \$200,000-\$299,999
		2,173	6. \$300,000-\$499,999
		859	7. \$500,000 or more
		36,628	Blank. N.A.

560	18c		FULLY PAID OR MONEY OWED (HOUSE/APT OWNED OR BEING BOUGHT)
		20,692	1. Fully paid for, nothing owed
		45,147	2. Still owe something
		36,628	Blank. N.A.

561	18d		AMOUNT OF MONTHLY MORTGAGE PAYMENT (HOUSE/APT BEING BOUGHT, STILL OWE
-----	-----	--	---

SOMETHING)

16,692	1. Less than \$500
18,328	2. \$500-\$999
8,767	3. \$1,000-\$1,999
1,360	4. \$2,000 or more
57,320	Blank. N.A.

1

IN-45

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
562	18e		AMOUNT OF MONTHLY RENT (HOUSE/APT RENTED)
		20,522	1. Less than \$500
		12,720	2. \$500-\$999
		973	3. \$1,000-\$1,999
		52	4. \$2,000 or more
		68,200	Blank. N.A.
563	18f		MONTHLY RENT INCLUDES MEALS/ UTILITIES (HOUSE/APT RENTED)
		6,824	1. Yes
		27,443	2. No
		68,200	Blank. N.A.
564	19		OWN OTHER ASSETS
		21,258	1. Yes
		81,209	2. No
565	20a		OWN OTHER PROPERTY
		10,510	1. Yes
		10,748	2. No
		81,209	Blank. N.A. (No other assests)

1

IN-46

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
566	20b		NET VALUE OTHER PROPERTY

3,431	1. Less than \$25,000
2,123	2. \$25,000-\$49,999
2,083	3. \$50,000-\$99,999
1,533	4. \$100,000-\$199,999
545	5. \$200,000-\$299,999
384	6. \$300,000-\$499,999
411	7. \$500,000 or more
91,957	Blank. N.A. (No other assests; own no other property)

567	21a	OWN BUSINESS, FARM, PROFESSIONAL PRACTICE
		6,753 1. Yes
		14,505 2. No
		81,209 Blank. N.A. (No other assets)

568	21b	NET VALUE BUSINESS, FARM, PROFESSIONAL PRACTICE
		2,723 1. Less than \$25,000
		808 2. \$25,000-\$49,999
		817 3. \$50,000-\$99,999
		937 4. \$100,000-\$199,999
		473 5. \$200,000-\$299,999
		336 6. \$300,000-\$499,999
		659 7. \$500,000 or more
		95,714 Blank. N.A. (No other assets; no other business)

569	22a	OTHER SAVINGS, ASSETS, PROPERTY
		12,752 1. Yes
		8,506 2. No
		81,209 Blank. N.A. (No other assets)

1

IN-47

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
570	22b		PRESENT VALUE OF OTHER ASSETS
		5,643	1. Less than \$25,000
		1,926	2. \$25,000-\$49,999
		1,706	3. \$50,000-\$99,999
		1,722	4. \$100,000-\$199,999
		710	5. \$200,000-\$299,999
		459	6. \$300,000-\$499,999
		586	7. \$500,000 or more

89,715 Blank. N.A. (No other assets; do not own other savings, assets, or stock)

571-572	Recode		PERSON NUMBER OF REFERENCE PERSON
		9,829	00. Unknown person number
		92,526	01-28. Person number
		0	30-97. Person number
		62	98. Active duty military
		50	99. Non-household member

573	Recode		RESPONDENT STATUS
		37,593	1. Self
		55,064	2. Proxy
		9,810	9. Unknown respondent

574			DUMMY RECORD LOCATOR
		33,312	0. 1 record dummied
		9,748	1. Both records dummied
		59,407	Blank. Not a dummy

575-580	-	-	BLANK
---------	---	---	-------

1

IN-48

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape 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)*
		102,467	000000 to 027000 Dollars.
587-592			TOTAL EDITED FAMILY INCOME SUM OF TOTAL EDITED PERSON INCOME OF ALL PERSONS IN THAT FAMILY*
		102,467	000000 to 037900 Dollars.
593			MATRIX 3 ALLOCATION OF SOCIAL SECURITY/RR (Item 6b, and if applicable, Items 6d, 6e, 6f, 6g, 7b and 7d)

91,803	0. Matrix not used
10,664	1. Matrix used

594	MATRIX 3a ALLOCATION OF SOCIAL SECURITY/RR DOLLAR AMOUNT AND NO. OF MONTHS (Items 6d and 6e)
99,190	0. Matrix not used
3,277	1. Matrix used

595	MATRIX 3b ALLOCATION OF SOCIAL SECURITY/RR DISABILITY BENEFIT STATUS (Item 6f, and if applicable, Item 6g)
102,218	0. Matrix not used
249	1. Matrix used

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

1

IN-49

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
596			MATRIX 3c ALLOCATION OF SOCIAL SECURITY/RR DUE TO DISABILITY (Item 6g)
		102,406	0. Matrix not used
		61	1. Matrix used
597			MATRIX 3d ALLOCATION OF SOCIAL SECURITY/RR DISABILITY STATUS (Item 7b, and if applicable, Item 7d)
		101,870	0. Matrix not used
		597	1. Matrix used
598			MATRIX 3e ALLOCATION OF SOCIAL SECURITY/RR NO. OF TIMES APPLIED (Item 7d)
		102,340	0. Matrix not used
		127	1. Matrix used
599			MATRIX 4 ALLOCATION OF SUPPLEMENTAL SECURITY INCOME (Items 8a, and if applicable, Items 8d, 8e, 9b and 9d)
		91,794	0. Matrix not used
		10,673	1. Matrix used

600			MATRIX 4a ALLOCATION OF SUPPLEMENTAL SECURITY INCOME DOLLAR AMOUNT AND NO. OF MONTHS (Items 8d and 8e)
		101,820	0. Matrix not used
		647	1. Matrix used

1

IN-50

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape 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)
		102,138	0. Matrix not used
		329	1. Matrix used
602			MATRIX 4c ALLOCATION OF SUPPLEMENTAL SECURITY INCOME NO. OF TIMES APPLIED FOR SSI (Item 9d)
		102,375	0. Matrix not used
		92	1. Matrix used
603			MATRIX 5 ALLOCATION OF PUBLIC ASSISTANCE OR WELFARE (Item 12b, and if applicable, Items 12d, 12e, and 12f)
		87,042	0. Matrix not used
		15,425	1. Matrix used
604			MATRIX 5a ALLOCATION OF PUBLIC ASSISTANCE/WELFARE DOLLAR AMOUNT AND NO. OF MONTHS (Items 12e and 12f)
		101,962	0. Matrix not used
		505	1. Matrix used
605			MATRIX 6 ALLOCATION OF TYPE OF WELFARE RECEIVED (Item 12d)
		102,149	0. Matrix not used
		318	1. Matrix used

1

IN-51

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
606			MATRIX 11 ALLOCATION OF JOB STATUS (Item 2a)
		94,791	0. Matrix not used
		7,676	1. Matrix used
607			MATRIX 12 ALLOCATION OF CLASS OF WORKER (Item 1b)
		100,222	0. Matrix not used
		2,245	1. Matrix used
608			MATRIX 12a ALLOCATION OF WHETHER JOB OR BUSINESS (Item 4b)
		102,341	0. Matrix not used
		126	1. Matrix used
609			MATRIX 13 ALLOCATION OF MONTHS WORKED - EMPLOYEE ONLY (Item 2g)
		96,211	0. Matrix not used
		6,256	1. Matrix used
610			MATRIX 13a ALLOCATION OF MONTHS WORKED - SELF-EMPLOYED ONLY (Item 3g)
		101,442	0. Matrix not used
		1,025	1. Matrix used
611			MATRIX 13b ALLOCATION OF MONTHS WORKED - BOTH EMPLOYEE AND SELF-EMPLOYED (Item 4k)
		102,335	0. Matrix not used
		132	1. Matrix used

1

IN-52

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape 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)

94,141 0. Matrix not used
8,326 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)

101,543 0. Matrix not used
924 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)

102,310 0. Matrix not used
157 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)

88,193 0. Matrix not used
14,274 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)

99,679 0. Matrix not used
2,788 1. Matrix used

1

IN-53

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape 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)
		102,183 284	0. Matrix not used 1. Matrix used

618			MATRIX 18 ALLOCATION OF OTHER DISABILITY PENSIONS (Item 10b, and if applicable, Item 10d)
		91,879	0. Matrix not used
		10,588	1. Matrix used

619			MATRIX 18a ALLOCATION OF OTHER DISABILITY PENSIONS DOLLAR AMOUNT (Item 10d)
		102,357	0. Matrix not used
		110	1. Matrix used

620			MATRIX 19 ALLOCATION OF OTHER RETIREMENT OR SURVIVOR PENSION (Item 11b and if applicable, Item 11d)
		91,559	0. Matrix not used
		10,908	1. Matrix used

621			MATRIX 19a ALLOCATION OF OTHER RETIREMENT OR SURVIVOR PENSIONS DOLLARS AMOUNT (Item 11d)
		101,470	0. Matrix not used
		997	1. Matrix used

1

IN-54

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
622			MATRIX 20 ALLOCATION OF FOOD STAMPS (Item 13a and if applicable, Item 13b)
		100,103	0. Matrix not used
		2,364	1. Matrix used
623			MATRIX 20a ALLOCATION OF FOOD STAMPS DOLLAR AMOUNT (Item 13b)
		102,257	0. Matrix not used
		210	1. Maxtix used
624			MATRIX 21 ALLOCATION OF INTEREST INCOME (Item 14b and if applicable, Item 14d)
		89,372	0. Matrix not used

		13,095	1. Maxtix used
625			MATRIX 21a ALLOCATION INTEREST INCOME DOLLAR AMOUNT (Item 14d) - FOR PERSONS WHO GAVE DOLLAR RANGES (Items 14e or 14f)
		91,394	0. Matrix not used
		11,073	1. Maxtix used
626			MATRIX 21b ALLOCATION OF INTEREST INCOME DOLLAR AMOUNT (Item 14d)
		89,396	0. Matrix not used
		13,071	1. Maxtix used
627			MATRIX 22 ALLOCATION OF DIVIDEND INCOME (Item 15b and if applicable, Item 15d)
		89,348	0. Matrix not used
		13,119	1. Matrix used

1

IN-55

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape 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)
		100,865	0. Matrix not used
		1,602	1. Matrix used
629			MATRIX 22b ALLOCATION OF DIVIDEND INCOME DOLLAR AMOUNT (Items 15d)
		98,907	0. Matrix not used
		3,560	1. Matrix used
630			MATRIX 23 ALLOCATION OF ALL OTHER INCOME (Item 16b and if applicable, Item 16d)
		90,981	0. Matrix not used
		11,486	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)

102,202 0. Matrix not used
265 1. Matrix used

632 MATRIX 23b ALLOCATION OF ALL OTHER
INCOME DOLLAR AMOUNT (Item 16d)

101,846 0. Matrix not used
621 1. Matrix used

1

IN-56

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape 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)
		91,835	0. Matrix not used
		10,632	1. Matrix used
634			MATRIX 24a ALLOCATION OF WORTH OF VEHICLES (Item 17b)
		96,806	0. Matrix not used
		5,661	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)
		91,725	0. Matrix not used
		10,742	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)
		102,308	0. Matrix not used
		159	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)

101,534 0. Matrix not used
933 1. Matrix used

1

IN-57

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
638			MATRIX 25c ALLOCATION OF VALUE OF HOUSE AND AMOUNT OF MORTGAGE (Items 18b and 18d)
		101,913 554	0. Matrix not used 1. Matrix used
639			MATRIX 25d ALLOCATION OF WHETHER HOUSE IF FULLY PAID AND AMOUNT OF MORTGAGE (Items 18c and 18d)
		101,797 670	0. Matrix not used 1. Matrix used
640			MATRIX 25e ALLOCATION OF AMOUNT OF MORTGAGE (Item 18d)
		100,851 1,616	0. Matrix not used 1. Matrix used
641			MATRIX 25f ALLOCATION OF VALUE OF HOUSE (Item 18b)
		99,623 2,844	0. Matrix not used 1. Matrix used
642			MATRIX 25g ALLOCATION OF AMOUNT OF RENT AND WHETHER INCLUDES MEALS/UTILITIES (Items 18e and 18f)
		102,132 335	0. Matrix not used 1. Matrix used

1

IN-58

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape

Locations	Item No.	Frequency	Items and Codes
643			MATRIX 25h ALLOCATION OF WHETHER RENT INCLUDES MEALS/UTILITIES (Item 18f)
		101,596	0. Matrix not used
		871	1. Matrix used
644			MATRIX 25i ALLOCATION OF AMOUNT OF RENT (Item 18e)
		101,991	0. Matrix not used
		476	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)
		90,144	0. Matrix not used
		12,323	1. Matrix used
646			MATRIX 26a ALLOCATION OF WHETHER OWN OTHER PROPERTY (Item 20a, and if applicable, Item 20b)
		102,248	0. Matrix not used
		219	1. Matrix used
647			MATRIX 26b ALLOCATION OF NET VALUE OTHER PROPERTY (Item 20b)
		101,181	0. Matrix not used
		1,286	1. Matrix used

1

IN-59

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape 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)
		102,144	0. Matrix not used
		323	1. Matrix used
649			MATRIX 26d ALLOCATION OF NET VALUE BUSINESS, FARM, PROFESSIONAL PRACTICE

(Item 21b)

100,651	0. Matrix not used
1,816	1. Matrix used

650	MATRIX 26e ALLOCATION OF OTHER SAVINGS, ASSETS, PROPERTY (Item 22a, if applicable, Item 22b)
-----	--

101,862	0. Matrix not used
605	1. Matrix used

651	MATRIX 26f ALLOCATION OF NET VALUE OTHER SAVINGS, ASSETS, PROPERTY (Item 22b)
-----	---

100,169	0. Matrix not used
2,298	1. Matrix used

652	MATRIX 27 ALLOCATION OF NO. OF EMPLOYEES - EMPLOYEE ONLY (Item 5a)
-----	--

92,217	0. Matrix not used
10,250	1. Matrix used

1

IN-60

1995 FAMILY RESOURCES PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
----------------	----------	-----------	-----------------

653	MATRIX 28 ALLOCATION OF NO. OF EMPLOYEES - SELF-EMPLOYED ONLY (Item 5a)
-----	---

101,593	0. Matrix not used
874	1. Matrix used

654	MATRIX 29 ALLOCATION OF NO. OF EMPLOYEES - BOTH EMPLOYEE AND SELF-EMPLOYED (Item 5a)
-----	--

102,368	0. Matrix not used
99	1. Matrix used

655	BLANK
-----	-------

1

fields

File Location	Item Name and 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
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 business (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
486	Anyone apply do SSA (Item 7a)	595
487	Person apply for SSA (Item 7b)	593,595,597
488-489	Time 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
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
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

January 21, 1998

(See Notes at end of this document for application to the Year 2000 Objectives data file.)

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 90 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 postratification. 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.

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.

Variable Name	Tape Location	Field Label
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 provided.

1

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 subsetting data (See the section "Subsetting 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.

1

-4-

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 subsetting data may lead to incorrectly computed standard errors. (See the section "Subsetting Data Analysis" below). If using a subsetting 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.

1

-5-

SUBSETTED DATA ANALYSES

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 subsetting 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 subsetting 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 subsetted 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.

1

-6-

Other notes on Subsetting data:

If a subsetted database under Method 2 has only a few missing PSUs, the subsetted 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 subsetted data varies. Frequently, subsetted 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      ;
```

1

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

1

-8-

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, AGE2.

Variable		AGE2		
		Total	1	2
LDR	Sample Size	102467	29711	40801
	Weighted Size	261889549	70670755	108040689
	Mean	0.13797	0.08894	0.18489
	SE Mean	0.00178	0.00269	0.00268

```

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

```

1

-9-

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.

```

-----
o Variable       o                o SEX          o                o
o                o                o Total       o      1          o      2          o
-----
o LDR           o Sample Size      o      102467 o      48809 o      53658 o
o                o Weighted Size   o  261889549 o 127570237 o 134319312 o

```

	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

1

-10-

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, AGE2.

Variable		AGE2	1	2
		Total		

LDR	Sample Size	102467	29711	40801
	Weighted Size	261889549	70670755	108040689
	Mean	0.13797	0.08894	0.18489
	SE Mean	0.00174	0.00271	0.00254

TDV_R	Sample Size	102467	29711	40801
	Weighted Size	261889549	70670755	108040689
	Mean	5.90759	4.29682	4.88589
	SE Mean	0.07704	0.09116	0.11805

HLT_FP	Sample Size	101277	29183	40423
	Weighted Size	258963568	69438212	107054300
	Mean	0.10126	0.02552	0.06610
	SE Mean	0.00152	0.00118	0.00157

Variable				
		3	4	

◦ LDR	◦ Sample Size	◦	20000	◦	11955	◦
◦	◦ Weighted Size	◦	51713265	◦	31464840	◦
◦	◦ Mean	◦	0.14461	◦	0.07606	◦
◦	◦ SE Mean	◦	0.00303	◦	0.00269	◦

◦ TDV_R	◦ Sample Size	◦	20000	◦	11955	◦
◦	◦ Weighted Size	◦	51713265	◦	31464840	◦
◦	◦ Mean	◦	7.08504	◦	11.09843	◦
◦	◦ SE Mean	◦	0.16109	◦	0.28387	◦

◦ HLT_FP	◦ Sample Size	◦	19834	◦	11837	◦
◦	◦ Weighted Size	◦	51315866	◦	31155190	◦
◦	◦ Mean	◦	0.16651	◦	0.28344	◦
◦	◦ SE Mean	◦	0.00351	◦	0.00501	◦

1

-11-

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	◦

1

-12-

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

Post-stratified estimates

by: Variable, AGE2.

◦ Variable	◦	◦ AGE2	◦	◦	◦			
◦	◦	◦ Total	◦ 1	◦ 2	◦			
◦ LDR	◦ Sample Size	◦	102467	◦	29711	◦	40801	◦

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

1

-13-

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

1
 1

B-1

APPENDIX B

INDUSTRY RECODES OUTLINE

Revised in 1995

Recodes		Industry Title	SIC Code*
No. 1 Chrs. 80-81	No. 2 Chrs. 82-83		
01	01	AGRICULTURE	01-02, 071-072, 074-076, 078
02	01	FORESTRY AND FISHERIES	08-09
10	02	MINING	10, 12-14
20	03	CONSTRUCTION	15-17
(30-34, 40-46)	(04)	MANUFACTURING:	
(30-34)		NONDURABLE GOODS	
30	04	Food and kindred products	201-209
31	04	Textile mill and finished textile products	221-229, 231-239
32	04	Printing, publishing and allied industries	271-279
33	04	Chemicals and allied products	281-287, 289
34	04	Other nondurable goods	21, 261-263, 265, 267, 291, 295, 299, 301-

*Standard Industrial Classification

1

B-2

APPENDIX B

INDUSTRY RECODES OUTLINE

Revised in 1995

Recodes			
No. 1	No. 2	Industry Title	SIC Code*
Chrs. 80-81	Chrs. 82-83		
(30-34, 40-46)	(04)	MANUFACTURING: - continued	
(40-46)		DURABLE GOODS	
40	04	Furniture, lumber and wood	241-245,249,25
41	04	Primary metal industries	331-332,334,3331, 3334,3339,3351, 3353-3357,3363- 3366,3369,339
42	04	Fabricated metal industries, including ordnance	341-349
43	04	Machinery, except electrical	351-359
44	04	Electrical machinery, equipment and supplies	361-367,369
45	04	Transportation equipment	371-376,379
46	04	Other and not specified durable goods	321-329,381-382, 384-387,39

*Standard Industrial Classification

1

B-3

APPENDIX B

INDUSTRY RECODES OUTLINE

Revised in 1995

Recodes			

No. 1 Chrs. 80-81	No. 2 Chrs. 82-83	Industry Title	SIC Code*
(50-54)	(05)	TRANSPORTATION, COMMUNICATIONS AND OTHER PUBLIC UTILITIES	
50	05	Railroads	40
51	05	Trucking service and warehousing	421-423
52	05	Other transportation	41,43-47
53	05	Communications	481-484,489
54	05	Utilities and sanitary	491-497
60	06	WHOLESALE TRADE	501-509,511-519

*Standard Industrial Classification

1

B-4

APPENDIX B

INDUSTRY RECODES OUTLINE

Revised in 1995

Recodes			
No. 1 Chrs. 80-81	No. 2 Chrs. 82-83	Industry Title	SIC Code*
(61-65)	(07)	RETAIL TRADE	
61	07	General merchandise stores	531,533,539
62	07	Food, bakery and dairy stores	541-546,549
63	07	Automotive dealers and gasoline stations	551-557,559
64	07	Eating and drinking places	58
65	07	Other and not specified retail trade	521,523,525-527,56, 571-572,5731,5734- 5736,591-594,5961- 5963,598,5992-5995, 5999
(70-71)	(08)	FINANCE, INSURANCE, AND REAL ESTATE	

70	08	Banking and credit agencies	60-61
71	08	Insurance, real estate, and other finance	62-65,67

*Standard Industrial Classification

1

B-5

APPENDIX B

INDUSTRY RECODES OUTLINE

Revised in 1995

Recodes		Industry Title	SIC Code*
No. 1 Chrs. 80-81	No. 2 Chrs. 82-83		
(75-85)	(09-12)	SERVICES:	
(75-76)	(09)	BUSINESS AND REPAIR SERVICES	
75	09	Business services	731-738,751,752, 7542
76	09	Repair services	753,7549,762-764, 7692,7694,7699
(77-78)	(10)	PERSONAL SERVICES	
77	10	Private households	88
78	10	Other personal services	701-704,721-726,729
79	11	ENTERTAINMENT AND RECREATION SERVICES	781-784,791-794,799
(80-85)	(12)	PROFESSIONAL AND RELATED SERVICES	
80	12	Hospitals	806
81	12	Health services, except hospitals	801-803,8041-8043, 8049,805,807-809
82	12	Elementary and secondary schools and colleges	821-822
83	12	Other educational services	823-824,829
84	12	Social services, religious and membership organizations	832-833,835-836, 839,84,861-866,869

85 12

Legal, engineering and
other professional services

81,871-874,899

*Standard Industrial Classification

1

B-6

APPENDIX B

INDUSTRY RECODES OUTLINE

Revised in 1995

Recodes

No. 1 Chrs. 80-81	No. 2 Chrs. 82-83	Industry Title	SIC Code*
90	13	PUBLIC ADMINISTRATION	911-913,919,92-97
95	14	UNKNOWN INDUSTRY (Includes never worked)	-
96	14	REFUSED, CLASSIFIED, ETC.	
97	15	NOT IN LABOR FORCE - codes Blank and 8 in current activity recode (loc. 75) (Under 18 or 18+ and not in Labor Force).	
98	16	ARMED FORCES (excludes Reserves and National Guard)	

*Standard Industrial Classification

1

B-7

APPENDIX B

INDUSTRY RECODE TITLES

Code	Titles	Recode No. 1 Inclusions
01	AGRICULTURE, FORESTRY AND FISHERIES	01,02
02	MINING	10
03	CONSTRUCTION	20

04	MANUFACTURING	30-34, 40-46
05	TRANSPORTATION, COMMUNICATIONS AND OTHER PUBLIC UTILITIES	50-54
06	WHOLESALE TRADE	60
07	RETAIL TRADE	61-65
08	FINANCE, INSURANCE, AND REAL ESTATE	70-71
09	BUSINESS AND REPAIR SERVICES	75-76
10	PERSONAL SERVICES	77-78
11	ENTERTAINMENT AND RECREATION SERVICES	79
12	PROFESSIONAL AND RELATED SERVICES	80-85
13	PUBLIC ADMINISTRATION	90
14	UNKNOWN (includes never worked, refused, classified, etc.)	95-96
15	NOT IN LABOR FORCE	97
16	ARMED FORCES	98

1
1

C-1

APPENDIX C

OCCUPATION RECODE OUTLINE

Revised in 1995

Recodes		Occupation Title	SOC Code*
No. 1 Chrs. 87-88	No. 2 Chrs. 89-90		
(01-03)	(01)	EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	-
01	01	Officials and administrators, public administration	111-113
02	01	Managers and administrators, except public administration	121-128,131- 1344,1351- 1354,1359, 136-139
03	01	Management related occupations	1412,1414-1415, 1419,142-143, 1442-1443,1449, 145,1472- 1473,149

*Standard Occupational Classification

1

C-2

APPENDIX C

OCCUPATION RECODE OUTLINE

Revised in 1995

Recodes			
No. 1	No. 2	Occupation Title	SOC Code*
Chrs.	Chrs.		
87-88	89-90		
(04-11)	(02)	PROFESSIONAL SPECIALTY OCCUPATIONS	-
04	02	Engineers	1622-1628,1632-1637,1639
05	02	Architects and surveyors	161,164
06	02	Natural mathematical and computer scientists	171-172,1732-1733,1739,1842-1843,1845-1847,1849,1852-1855
07	02	Health diagnosing occupations	261-262,27,281,283,289
08	02	Health assessment and treating occupations	29,301-302,3031-3034,3039,304
09	02	Teachers, librarians and Counselors	2212-2218,2222-2228,2231-2238,2242-2247,2249,231-233,235,236,239,24,251,252
10	02	Writers, artists, entertainers and athletes	34,321-329,331-333,398
11	02	Other professional specialty occupations	1912-1916,1919,192,2032-2033,2042,2049,211-212

*Standard Occupational Classification.

1

C-3

APPENDIX C

OCCUPATION RECODE OUTLINE

Revised in 1995

Recodes			
No. 1 Chrs. 87-88	No. 2 Chrs. 89-90	Occupation Title	SOC Code*
(12-13)	(03)	TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	-
12	03	Health technologists and technicians	362-366,369
13	03	Technologists, technicians except health	3711-3713,3719, 372-373,382, 3831-3833, 384,389, 392-393,396, 3971-3972, 3974,399, 825
(14-16)	(04)	SALES OCCUPATIONS	-
14	04	Supervisors and proprietors	40
15	04	Sales representatives, commodities and finance	4122-4124, 4152-4153, 421,423-424
16	04	Other sales	4342-4348,4351- 4354,4356,4359, 4362-4367,4369, 444-447,449

*Standard Occupational Classification

1

C-4

APPENDIX C

OCCUPATION RECODE OUTLINE

Revised in 1995

Recodes			
No. 1 Chrs. 87-88	No. 2 Chrs. 89-90	Occupation Title	SOC Code*
(17-21)	(05)	ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	-
17	05	Computer equipment operators	4612-4613
18	05	Secretaries, stenographers	4622-4624

		and typists	
19	05	Financial records processing occupations	4712-4713, 4715-4716, 4718
20	05	Mail and message distributing	4742-4745
21	05	Other administrative support	4511-4514,4516, 4519,4521-4529, 463,4642-4645, 4649,4662-4664, 4692,4694,4696, 4699,4722-4723, 4729,4732-4733, 4739,4751-4759, 4782-4784,4786- 4787,4791-4795, 4799
22	06	Private household occupations	502-507,509

*Standard Occupational Classification.

1

C-5

APPENDIX C

OCCUPATION RECODE OUTLINE

Revised in 1995

Recodes			
No. 1	No. 2	Occupation Title	SOC Code*
Chrs.	Chrs.		
87-88	89-90		
(23-24)	(07)	PROTECTIVE SERVICE OCCUPATIONS	
23	07	Police and firefighters	5111-5112, 5122-5123, 5132-5134
24	07	Other protective service occupations	5113,5142,5144, 5149
(25-28)	(08)	SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	
25	08	Food service	5211-5219
26	08	Health service	5232-5233,5236
27	08	Cleaning and building service	5241-5242, 5244-5246,5249
28	08	Personal service	5251-5258,5262- 5264,5269

(29-31)	(09)	FARMING, FORESTRY AND FISHING OCCUPATIONS	
29	09	Farm operators and managers	5512-5515, 5522- 5525
30	09	Farm workers and other agricultural workers	5611-5619, 5621-5622, 5624-5625, 5627
31	09	Forestry and fishing occupations	571-573, 579, 583-584, 8241(pt.)

*Standard Occupational Classification.

1

C-6

APPENDIX C

OCCUPATION RECODE OUTLINE

Revised in 1995

Recodes		Occupation Title	SOC Code*
No. 1 Chrs. 87-88	No. 2 Chrs. 89-90		
(32-34)	(10)	PRECISION PRODUCTION, CRAFT AND REPAIR OCCUPATIONS	
32	10	Mechanics and repairers	60, 6111-6118, 613-614, 6151- 6159, 616, 6171- 6179
33	10	Construction and extractive trades	6311-6316, 6318, 632, 6412- 6414(pt.), 6422, 6424, 6432-6433, 6442-6444, 645, 6462-6468, 6472- 6476, 6479, 652- 654, 656
34	10	Precision production occupations	67, 71, 6811-6814, 6816-6817, 6821-6824, 6829, 6831-6832, 6835, 6839, 6844, 6852-6854, 6856, 6859, 6861-6862, 6864-6867, 6869, 6871-6873, 6879, 6881-6882, 691- 696, 7477(pt.),

*Standard Occupational Classification
1

C-7

APPENDIX C

OCCUPATION RECODE OUTLINE

Revised in 1995

Recodes			
No. 1	No. 2	Occupation Title	SOC Code*
Chrs.	Chrs.		
87-88	89-90		
		OPERATORS, FABRICATORS AND LABORERS	
(35-36)	(11)	MACHINE OPERATORS, ASSEMBLERS AND INSPECTORS	
35	11	Machine operators and tenderers, except precision	6841-6842,6849, 6855,6863,6868, 7312-7319,7322, 7324,7326,7329, 7339,7342-7344, 7349,7431-7435, 7439,7443-7444, 7449,7451-7452, 7459,7462-7463, 7467,7472,7474, 7476-7478,7479, 7512-7519,7522, 7529,7539,7542- 7544,7549,7631- 7636,7639,7642- 7644,7649,7651- 7652,7654-7659, 7661-7667,7669, 7671-7676, 7677(pt.), 7678-7679
36	11	Fabricators, assemblers, inspectors and samplers	7332-7333,7532- 7533,7714,7717, 72,774,7753- 7759,782-785,787

*Standard Occupational Classification
1

C-8

APPENDIX C

OCCUPATION RECODE OUTLINE

Revised in 1995

Recodes		Occupation Title	SOC Code*
No. 1 Chrs. 87-88	No. 2 Chrs. 89-90		
(37-39)	(12)	TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	
37	12	Motor vehicle operators	8111,8212-8216, 8218-8219,874
38	12	Other transportation, except motor vehicles	8113,8232-8233, 8239,8241(pt.), 8242-8245
39	12	Material moving equipment operators	812,8312-8319
(40-41)	(13)	HANDLERS, EQUIPMENT CLEANERS, HELPERS AND LABORERS	
40	13	Construction laborers	871
41	13	Freight, stock and material handlers	85,861-863, 8641-8646, 8648,865, 8722-8726,873, 875,8761,8769

*Standard Occupational Classification

1

C-9

APPENDIX C

OCCUPATION RECODE OUTLINE

Revised in 1995

Recodes		Occupation Title	SOC Code*
No. 1 Chrs. 87-88	No. 2 Chrs. 89-90		
95	14	UNKNOWN OCCUPATION (Includes never worked)	
96	14	REFUSED, CLASSIFIED, ETC.	
97	15	NOT IN LABOR FORCE - codes Blank and 8 in current activity recode (Loc. 75). (Under 18 or 18+ and Not in Labor Force)	

98 16 MILITARY

*Standard Occupational Classification
1

C-10

APPENDIX C

OCCUPATION RECODE TITLES

Code	Titles	Recode No. 1 Inclusions
	MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	
01	EXECUTIVE, ADMINISTRATIVE AND MANAGERIAL OCCUPATIONS	01-03
02	PROFESSIONAL SPECIALTY OCCUPATIONS	04-11
	TECHNICAL, SALES AND ADMINISTRATIVE SUPPORT OCCUPATIONS	
03	TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	12-13
04	SALES OCCUPATIONS	14-16
05	ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	17-21
	SERVICE OCCUPATIONS	
06	PRIVATE HOUSEHOLD OCCUPATIONS	22
07	PROTECTIVE SERVICE OCCUPATIONS	23-24
08	SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	25-28
09	FARMING, FORESTRY AND FISHING OCCUPATIONS	29-31
10	PRECISION PRODUCTION, CRAFT AND REPAIR OCCUPATIONS	32-34
	OPERATORS, FABRICATORS AND LABORERS	
11	MACHINE OPERATORS, ASSEMBLERS AND INSPECTORS	35-36
12	TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	37-39
13	HANDLERS, EQUIPMENT CLEANERS, HELPERS AND LABORERS	40-41
14	UNKNOWN OCCUPATION (includes never worked, refused, classified, etc.)	95-96
15	NOT IN LABOR FORCE	97

