

1993 National Health Interview Survey (NHIS)

Access to Care Public Use Data File

1. The 1993 National Health Interview Survey (NHIS) Access data file contains a variety of data items addressing access to health care services.
2. The 1993 Access topic was administered only in the last half of 1993 (Quarters 3 and 4) for everyone in the NHIS. Some questions either in the Access topic or in the core person data refer to a 2 week time period and some conditions, health status and health care utilization items are known to have seasonal variations in reporting. The data on this file might not yield annual estimates similar to that obtained if the Access topic was fielded for the entire survey year, especially for those variables known to be subject to seasonal variation/reporting.

The 1993 Access file is structured in the following way:

- a. The NHIS person record from the core questionnaire (locations 1-335) (removing annual weight fields)
 - b. The special topic data (locations 336-389)
3. In 1993, two types of item non-response were identified:
 - (1) "Not ascertained" (codes 8, 98, or 998) includes blanks when there should have been a response or when an impossible code appeared and;
 - (2) Responses of "don't know" or "refused" when the question was asked (codes 9, 99 and 999).
 4. The overall response rate for the 1993 Access was 88.6 percent. This response rate was calculated as follows:

Household response rate from core for the 3rd and 4th quarters (94.7 percent) multiplied by 93.6 percent who responded to the Access section yielding an overall response rate of 88.6 percent.

Dummy records were created for those with no response to the entire section.

5. 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 1993 file:

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

The Final Basic Weight (location 210-218) is the equivalent of the semi-Annual Final Basic Weight found on the NHIS Person Record of the Basic Health and Demographic component of the survey (i.e. the Core questionnaire). Because the Access supplement was only conducted during the third and fourth quarters of 1993, a national estimate of all person level variables can be made using this weight.

This weight will be used in conjunction with Access data items in file locations 336-389.

Interim Basic Weights (before age-sex-race adjustment) are required by some software packages for variance estimation for surveys with complex sample designs. This weight is also included on the file.

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 Interim Basic Weight (which is the weight prior to poststratification), included on the Access file is the Full Sample Stratum Identifier (loc. 179-181), the Pseudo Primary Sampling Unit (PSU) Codes (loc. 187-189), and the Type of PSU (loc. 185) to permit the analyst the capability of using such variance estimation procedures. These variables and weights are necessary for directly calculating sampling variances.

6. Estimating semi-annual numbers of events or conditions

Note: The data on this file might not yield annual estimates similar to that obtained if the Access topic was fielded for the entire survey year, especially for those variables known to be subject to seasonal variation/reporting.

- 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:

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Number of events x 13 (number of two-week periods in a year) x Final Basic Weight

= Total number of events occurring in the population during the semi-annual period, i.e. 1993.

Example: Number of bed days (loc. 100-101) x 13 x Final Basic Weight (loc. 210-218) = total number of bed days reported for the population in 1993.

- 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 semi-annual period.

Number of acute incidence conditions x 13 x Final Basic Weight

= Total number of acute incidence conditions occurring in the population during the last half of 1993.

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

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

Number of discharges x Final Basic Weight

= Total number of discharges occurring in the population in the last half of 1993.

7. Calculation of rates for events and conditions:

The number of events or conditions estimated for the population, as described in item 6, 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.

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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.}

8. 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 semi annual period experiencing a hospital episode in the past year and the percent of that population having a specified number of hospital days.

9. 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 (1993)

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

National Center for Health Statistics (1994). Data File Documentation, National Health Interview Survey of Access to care, 1993 (machine readable data file and documentation), National Center for Health Statistics, Hyattsville, Maryland

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

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1993 NATIONAL HEALTH INTERVIEW SURVEY

ACCESS TO CARE PUBLIC USE FILE

Outline of Items and Codes

61,287 Records

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-		RECORD TYPE
		61,287	70. Access to Care
3-4	-		PROCESSING YEAR
		61,287	93. 1993
5	-		PROCESSING QUARTER
		31,011	3. Quarter 3
		30,276	4. Quarter 4
6-8	HH-5	-	RANDOM RECODE OF PSU NUMBER

9-10	HH-5		WEEK - CENSUS CODE*
		4,772	01. Week 01
		4,904	02. Week 02
		4,485	03. Week 03
		4,850	04. Week 04
		4,926	05. Week 05
		4,701	06. Week 06
		4,593	07. Week 07
		4,935	08. Week 08
		4,505	09. Week 09
		4,847	10. Week 10
		4,433	11. Week 11
		4,736	12. Week 12
		4,600	13. Week 13

*This code represents the initial week of assignment. The interview may be re-assigned for administrative purposes. See locations 19-20 for the code which reflects the actual week assigned for conducting the interview.

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
11-12	HH-5	-	SEGMENT NUMBER Week plus Segment Number identifies the segment
13-14	HH-5	-	HOUSEHOLD NUMBER Numbered within PSU-Week-Segment
15-16	-	-	PERSON NUMBER
17-18	-	-	BLANK (Record Serial Number on some other record types)
19-20			PROCESSING WEEK CODE (Numbered within Quarter)
		4,772	01. Week 1
		4,904	02. Week 2

4,485	03.	Week 3
4,850	04.	Week 4
4,926	05.	Week 5
4,701	06.	Week 6
4,593	07.	Week 7
4,960	08.	Week 8
4,513	09.	Week 9
4,847	10.	Week 10
4,433	11.	Week 11
4,736	12.	Week 12
4,567	13.	Week 13

21	Recode	LATE INTERVIEW (OR LAST ATTEMPT) FLAG
	36,726	0. Interview not late
	17,774	1. One week late
	5,674	2. Two weeks late
	1,113	3. Unknown

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
22-23	HH-10c,d		TYPE OF LIVING QUARTERS:
			Housing Unit = (00-07)
		957	00. Housing unit; kind unknown
		56,735	01. House, apartment, flat
		44	02. HU in nontransient hotel, motel, etc.
		50	03. HU-permanent in transient hotel, motel, etc.
		14	04. HU in rooming house
		2,728	05. Mobile home or trailer with no permanent room added
		415	06. Mobile home or trailer with one or more permanent rooms added
		17	07. HU not specified above
			Other Unit = (08-13)
		15	08. Quarters not HU in rooming or boarding house
		0	09. Unit not permanent in transient hotel, motel, etc.
		0	10. Unoccupied site for mobile home, trailer, or tent
		277	11. Student quarters in college dormitory
		29	12. Other unit not specified above
		6	13. Other unit; kind unknown

24	HH-11		HAS TELEPHONE
		55,647	1. Yes, phone number given
		2,178	2. Yes, no phone number given
		3,261	3. No
		201	4. Unknown

25	A-1		SEX
		29,365	1. Male
		31,922	2. Female

26	-	-	BLANK
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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
27-28	Person Column		AGE
		906	00. Under 1 year
		60,378	01-98. Number of years
		3	99. 99+ years of age

29	Recode		AGE RECODE #1
		4,781	1. Under 5 years
		12,126	2. 5-17 years
		5,374	3. 18-24 years
		19,156	4. 25-44 years
		12,189	5. 45-64 years
		2,499	6. 65-69 years
		2,157	7. 70-74 years
		3,005	8. 75 years and over

30	Recode		AGE RECODE #2
		5,804	1. Under 6 years
		10,323	2. 6-16 years
		6,154	3. 17-24 years
		9,484	4. 25-34 years
		9,672	5. 35-44 years
		7,129	6. 45-54 years
		5,060	7. 55-64 years
		4,656	8. 65-74 years

3,005 9. 75 years and over

31-32	Recode		AGE RECODE #3
		2,853	00-35. Months
		58,434	36. Over 3 years

33 - - BLANK

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
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
		53	1800-1899. 1800-1899
		61,217	1900-1994. 1900-1994
		17	9999. Unknown

40	Recode		HISPANIC ORIGIN IMPUTED FLAG
		60,163	0. Hispanic Origin Known
		1,124	1. Hispanic Origin Imputed from Reference Person

41-42	L-3		MAIN RACIAL BACKGROUND* (see notation for locations 43-45)
		48,139	01. White
		8,703	02. Black
		574	03. Indian (American)
		7	04. Eskimo
		4	05. Aleut
		479	06. Chinese
		344	07. Filipino
		51	08. Hawaiian

170	09.	Korean
195	10.	Vietnamese
176	11.	Japanese
266	12.	Asian Indian
13	13.	Samoan
21	14.	Guamanian
250	15.	Other API
1,134	16.	Other Race
105	17.	Multiple Race
656	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.

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes	
43-45	Recode		RACE RECODES	
43			Recode 1*	Persons whose Main Racial Background (location 41-42) was "other" or "unknown" were classified in the following recodes by using the racial background observed by the interviewer. Use of these recodes is recommended for estimating statistics for the groups shown here.
		49,934	1. White	
		8,741	2. Black	
		2,612	3. Other	
44			Recode 2	
		49,934	1. White	
		11,353	2. Non-white	
45			Recode 3	
		8,741	1. Black	
		52,546	2. Non-black	
46-47	A-4		HISPANIC ORIGIN**	
		32	00.	Multiple Hispanic
		642	01.	Puerto Rican
		313	02.	Cuban
		1,403	03.	Mexican-Mexicano
		1,957	04.	Mexican-American
		47	05.	Chicano
		676	06.	Other Latin American
		564	07.	Other Spanish
		24	08.	Spanish, DK type
		290	09.	Unknown if Spanish origin
		55,339	10.	Not Spanish origin
48	L-7		MARITAL STATUS	

13,405	0. Under 14 years
28,140	1. Married - spouse in household
406	2. Married - spouse not in household
3,295	3. Widowed
3,361	4. Divorced
897	5. Separated
11,357	6. Never married
426	7. Unknown

*This recode is used to define race in the Current Estimates tables.
 **If unknown, the family reference person code was imputed. A flag indicating imputation is in loc. 40 and the relationship to reference person is in loc. 63.

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
49	L-1		VETERAN STATUS
		36,966	1. Non-veteran
		20	2. WW I
		1,728	3. WW II
		1,051	4. Korean War
		1,905	5. Vietnam veteran
		713	6. Post-Vietnam
		1,077	7. Other service
		172	8. Served in Armed Forces, unknown if war veteran
		748	9. Unknown if served in Armed Forces
		16,907	Blank. Under 18 years of age
50	L-1		ACTIVE GUARD/RESERVE STATUS FOR PERSONS ON ACTIVE DUTY IN ARMED FORCES
		36,966	0. Non-veteran
		505	1. All service in Guard/Reserve
		983	2. Some service in Guard/Reserve
		19	3. Unknown if all service in Guard/Reserve
		4,670	4. No active service in Guard/Reserve
		1,237	5. Unknown if ever active member in Guard/Reserve or served in Armed Forces
		16,907	Blank. Under 18 years of age
51-52	L-2		EDUCATION OF INDIVIDUAL - COMPLETED YEARS
		2,264	00. Never attended; kindergarten only

35,290 01-12. Grades 1-12

College:

3,411 13. 1 year
4,383 14. 2 years
1,652 15. 3 years
5,100 16. 4 years
1,020 17. 5 years
2,664 18. 6 years or more
722 19. Unknown
4,781 Blank. Under 5 years of age

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
53	Recode		EDUCATION OF INDIVIDUAL RECODE
		2,264	0. None; kindergarten only
		11,176	1. 1-8 years (elementary)
		7,294	2. 9-11 years (high school)
		16,820	3. 12 years (high school graduate)
		9,446	4. 1-3 years (college)
		5,100	5. 4 years (college graduate)
		3,684	6. 5+ years (post-college)
		722	7. Unknown
		4,781	Blank. Under 5 years of age
54-55	-		HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)
		102	00. Never attended; kindergarten only
		28,731	01-12. Grades 1-12
			College:
		4,940	13. 1 year
		7,413	14. 2 years
		2,604	15. 3 years
		9,037	16. 4 years
		1,999	17. 5 years
		5,994	18. 6 years or more
		467	19. Unknown
56	-		HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER Recode
		102	0. None; kindergarten only
		2,613	1. 1-8 years (elementary)

5,058	2. 9-11 years (high school)
21,060	3. 12 years (high school graduate)
14,957	4. 1-3 years (college)
9,037	5. 4 years (college graduate)
7,993	6. 5+ years (post-college)
467	7. Unknown

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
57	L-8		FAMILY INCOME \$20,000 OR MORE
		18,979	1. Less than \$20,000
		40,479	2. \$20,000 or more
		1,829	3. Unknown
58-59	L-8		FAMILY INCOME
		274	00. Less than \$1,000
		345	01. \$ 1,000 - \$ 1,999
		428	02. 2,000 - 2,999
		426	03. 3,000 - 3,999
		534	04. 4,000 - 4,999
		770	05. 5,000 - 5,999
		785	06. 6,000 - 6,999
		760	07. 7,000 - 7,999
		778	08. 8,000 - 8,999
		947	09. 9,000 - 9,999
		1,109	10. 10,000 - 10,999
		666	11. 11,000 - 11,999
		1,198	12. 12,000 - 12,999
		744	13. 13,000 - 13,999
		733	14. 14,000 - 14,999
		1,009	15. 15,000 - 15,999
		756	16. 16,000 - 16,999
		807	17. 17,000 - 17,999
		1,110	18. 18,000 - 18,999
		1,253	19. 19,000 - 19,999
		4,549	20. 20,000 - 24,999
		3,938	21. 25,000 - 29,999
		4,302	22. 30,000 - 34,999
		3,335	23. 35,000 - 39,999
		3,342	24. 40,000 - 44,999
		3,090	25. 45,000 - 49,999
		13,184	26. \$50,000 and over
		10,115	27. Unknown

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
60	Recode		FAMILY INCOME RECODE
		2,007	0. Under \$5,000
		1,555	1. \$ 5,000 - \$ 6,999
		2,485	2. 7,000 - 9,999
		4,450	3. 10,000 - 14,999
		4,935	4. 15,000 - 19,999
		4,549	5. 20,000 - 24,999
		8,240	6. 25,000 - 34,999
		9,767	7. 35,000 - 49,999
		13,184	8. \$50,000 or more
		10,115	9. Unknown
61	Generated		NHIS POVERTY INDEX*
		48,046	1. At or above poverty threshold
		7,804	2. Below poverty threshold
		5,437	3. Unknown
62-63			FAMILY RELATIONSHIP
62	A-2		Type of Family
		6,473	&. Primary individual
		710	-. Secondary individual
		54,007	0. Primary family
		97	1-9. Secondary family
63	A-2		Relationship to Reference Person
		6,204	&. Reference person, living alone
		18,221	0. Reference person, 2+ persons in household
		13,714	1. Spouse, other spouse NOT in Armed Forces and living at home
		137	2. Spouse, other spouse IN Armed Forces and living at home
		19,929	3. Child of reference person or spouse
		1,074	4. Grandchild of reference person or spouse
		555	5. Parent of reference person or spouse
		1,442	6. Other relative
		11	7. Child of ineligible reference person
		0	9. DK or refused

*Based on family size, number of children under 18 years of age and family income using the 1992 poverty levels derived from the August, 1993 Current Population Survey.

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
64	Recode		FAMILY RELATIONSHIP RECODE
		6,204	1. Living alone
		979	2. Living only with non-relative
		28,127	3. Living with spouse
		25,977	4. Living with relative - other
65-66	Generated	-	SIZE OF FAMILY* Unrelated individuals are coded 01
67	Generated		SIZE OF FAMILY RECODE
		60,879	1-8. Number of members
		408	9. 9+ members
68	A-2		PARENT/OTHER ADULT RELATIVE (under 25 years old and never married)
		12,898	1. Both parents, no other relative
		3,314	2. Mother only
		231	3. Father only
		1,500	4. Both parents and other 21+ year old adult relative
		1,036	5. Mother and other 21+ year old adult relative
		107	6. Father and other 21+ year old adult relative
		240	7. No parent, but one 21+ year old adult relative
		342	8. No parent, but two or more 21+ year old adult relatives
		188	9. Unknown
		888	0. Other
		40,543	Blank. Not applicable (25+ years old or ever married)

*Count includes spouse in military but living at home.

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape

Locations	Item No.	Frequency	Items and Codes
69	B-1 B-8		MAJOR ACTIVITY (18+ years old)
		26,897	1. Working
		7,874	2. Keeping house
		2,595	3. Going to school
		6,687	4. Something else
		327	5. Unknown
		16,907	Blank. Not applicable (Under 18 years)
70	G-4		HEALTH STATUS
		22,974	1. Excellent
		17,013	2. Very Good
		14,525	3. Good
		4,752	4. Fair
		1,768	5. Poor
		255	6. Unknown
71	Recode		ACTIVITY LIMITATION STATUS*- (all ages)
		2,797	1. Unable to perform major activity
		3,692	2. Limited in kind/amount major activity
		2,975	3. Limited in other activities
		51,823	4. Not limited (includes unknowns)
72	Recode		ACTIVITY LIMITATION STATUS MEASURED BY "ABILITY TO WORK" (18-69 years)
		2,782	1. Unable to work
		2,000	2. Limited in kind/amount of work
		1,509	3. Limited in other activities
		32,927	4. Not limited (includes unknowns)
		22,069	Blank. Not applicable (under 18 years, 70+ years)
73	B-11		LIMITATION OF SCHOOL ACTIVITIES (5-17 years)
		79	1. Unable to attend school
		400	2. Attends special school/classes
		42	3. Needs special school/classes
		166	4. Limited in school attendance
		273	5. Limited in other activities
		11,166	6. Not limited (includes unknowns)
		49,161	Blank. Not applicable (Under 5 years or 18+ years)

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

Tape Locations	Item No.	Frequency	Items and Codes
74	B-14		NEEDS HELP WITH PERSONAL CARE (5-59 years old and limited, or age 60-69 years)
		354	1. Unable to perform personal care needs
		905	2. Limited in performing other routine needs
		8,950	3. Not limited in performing personal or routine needs
		292	4. Unknown
		50,786	Blank. Not applicable (Under 5 years; 5-59 years not limited; 70+ years old)
75	D-1		EMPLOYMENT STATUS IN PAST 2 WEEKS (18+ years)
			In the Labor Force: (1-7)
			Currently employed: (1-3)
		27,515	1. Worked in past 2 weeks
		627	2. Did not work, has job; not on lay-off and not looking for work
		18	3. Did not work, has job; looking for work
			Unemployed: (4-7)
		87	4. Did not work, has job; on lay-off
		3	5. Did not work, has job; on lay-off and looking for work
		251	6. Did not work, has job; unknown if looking or on lay-off
		1,066	7. Did not work, has no job; looking for work or on lay-off
		14,813	Not in Labor Force (18+ years):(8)
		16,907	Blank. Not applicable (Under 18 years old)

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
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76

L-6

CLASS OF WORKER

14,813	0. Not in labor force
20,738	1. Private company
810	2. Federal Government employee
1,290	3. State Government employee
2,408	4. Local Government employee
863	5. Incorporated business
2,680	6. Self-employed
48	7. Without pay
31	8. Never worked
699	9. Unknown
16,907	Blank. Under 18

77-79

L-6

INDUSTRY DETAIL CODE

29,567	010-998. Code number
31,720	Blank. Not applicable

80-81

Recode

-

INDUSTRY RECODE 1

SEE APPENDIX B

82-83

Recode

-

INDUSTRY RECODE 2

SEE APPENDIX B

84-86

L-6

OCCUPATION DETAIL CODE

29,567	001-998. Code number
31,720	Blank. Not applicable

87-88

Recode

-

OCCUPATION RECODE 1

SEE APPENDIX C

89-90

Recode

-

OCCUPATION RECODE 2

SEE APPENDIX C

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1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
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91	L-R		RESPONDENT (NHIS Core Questionnaire)
		27,783	1. Self-entirely
		3,298	2. Self-partly
		29,699	3. Proxy
		507	4. Unknown
92	Recode		CONDITION LIST ASSIGNED AND ASKED
		10,150	1. Condition List 1, Skin and musculoskeletal
		10,187	2. Condition List 2, Impairments
		10,249	3. Condition List 3, Digestive
		10,067	4. Condition List 4, Miscellaneous
		10,198	5. Condition List 5, Circulatory
		9,925	6. Condition List 6, Respiratory
		511	7. Unknown
93-94	G-5		HEIGHT WITHOUT SHOES (18+ years)
		43,987	36-98. Number of inches
		393	99. Unknown
		16,907	Blank. Under 18 years of age
95-97	G-5		WEIGHT WITHOUT SHOES (18+ years)
		43,413	050-500. Number of pounds
		967	501. Unknown
		16,907	Blank. Under 18 years of age
98-99	Recode		TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS
		54,292	00. None
		6,995	01-14. Days
100-101	D-4		BED DAYS IN PAST TWO WEEKS
		57,362	00. None
		3,925	01-14. Days
1			AC-16

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape

Locations	Item No.	Frequency	Items and Codes
102-103	D-2		WORK-LOSS DAYS IN PAST TWO WEEKS (Control on currently employed, 75:1-3)
		59,540	00. None
		1,747	01-14. Days
104-105	D-3		SCHOOL-LOSS DAYS IN PAST TWO WEEKS
		60,383	00. None
		904	01-14. Days
106-107	D-6		OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS
		57,696	00. None
		3,591	01-14. Days
108-110	G-2		BED DAYS IN PAST 12 MONTHS
		33,854	000. None
		26,958	001-365. 1-365 days
		475	366. Unknown
111	Recode		BED DAYS IN PAST 12 MONTHS - Recode
		33,854	0. None
		20,815	1. 1-7 days
		4,515	2. 8-30 days
		1,291	3. 31-180 days
		337	4. 181-365 days
		475	5. Unknown
112-114	G-3		DOCTOR VISITS IN PAST 12 MONTHS
		13,910	000. None
		47,108	001-996. Visits
		0	997. 997+ visits
		269	998. Unknown
1			AC-17

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape	Locations	Item No.	Frequency	Items and Codes
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115	G-3		INTERVAL SINCE LAST DOCTOR VISIT
		101	0. Never
		47,656	1. Less than 1 year
		5,836	2. 1 to less than 2 years
		4,842	3. 2 to less than 5 years
		1,942	4. 5 years or more
		910	5. Unknown
116-117	Generated	-	NUMBER OF CONDITIONS
118-119	Generated	-	NUMBER OF ACUTE INCIDENCE CONDITIONS
120-121	Generated	-	NUMBER OF TWO-WEEK DOCTOR VISITS
122-123	Generated	-	NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
124-126	Generated	-	SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
127-128	Generated	-	NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS EXCLUDING DELIVERY*
129-131	Generated	-	SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS EXCLUDING DELIVERY*
132-133	Generated	-	NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS
134-136	Generated	-	NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS
137-138	Generated	-	NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*

*Based on Operation codes and reason entered hospital.

1

AC-18

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
139-141	Generated	-	NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*
142-143	-	-	BLANK
144	L-9b		YEARS LIVED IN STATE OF PRESENT RESIDENCE
		1,687	1. Less than 1 year
		5,981	2. 1 yr., less than 5 yrs.
		6,082	3. 5 yrs., less than 10 yrs.
		5,219	4. 10 yrs., less than 15 yrs.
		34,251	5. 15 years or more
		2,251	9. Unknown
		5,816	Blank. Not applicable (Foreign-born)
145	L-9c		YEARS LIVED IN UNITED STATES
		197	1. Less than 1 year
		1,011	2. 1 yr., less than 5 yrs.
		1,048	3. 5 yrs., less than 10 yrs.
		968	4. 10 yrs., less than 15 yrs.
		2,471	5. 15 years or more
		121	9. Unknown
		55,471	Blank. Not applicable (U.S. born)
146	L-2		NOW GOING TO SCHOOL OR ON VACATION FROM SCHOOL
		4,535	1. Yes, going to school
		1,371	2. Yes, on vacation from school
		691	3. No
		1,770	9. DK or refused
		52,920	Blank. (under 12 years or 22+ years)
147-171	-	-	BLANK
172-177	-	-	QUARTER BASIC WEIGHT BEFORE AGE-SEX-RACE

ADJUSTMENT (has one implied decimal)

*Based on Operation codes and reason entered hospital.
1 AC-19

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
178	Master Record		TYPE OF SUBSTRATUM
		9,689	0. Permit
		5,730	1. Area, oversampled for blacks
		45,868	2. Area, not oversampled for blacks
179-181	Recode	-	FULL SAMPLE STRATUM IDENTIFIER
182	Master Record		REGION
		12,102	1. Northeast
		14,904	2. Midwest
		20,402	3. South
		13,879	4. West
183	Master Record		GEOGRAPHIC DISTRIBUTION
			1-4. MSA Size
		26,527	1. 1,000,000 or more
		16,067	2. 250,000 - 999,999
		3,896	3. 100,000 - 249,999
		931	4. Under 100,000
		13,866	Blank. Non-MSA
184	-	-	BLANK
185	Master Record		TYPE OF PSU
		33,808	1. MSA - Self-representing
		13,613	3. MSA - Nonself-representing
		0	4. Non-MSA - Self-representing
		13,866	6. Non-MSA - Nonself-representing

186	Recode		MSA - NON-MSA RESIDENCE
		19,489	1. MSA - Central City
		27,932	2. MSA - Not Central City
		13,108	3. Non-MSA - Nonfarm
		758	4. Non-MSA - Farm

1 AC-20

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
187-189	-	-	PSEUDO PSU CODES
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	-	-	BLANK
			6.5 WEIGHT
228-236	-	-	QUARTER AND SEMI-ANNUAL
			ESTIMATED RESTRICTED ACTIVITY DAYS IN PAST 2 WEEKS
237-245	-	-	QUARTER AND SEMI-ANNUAL
			ESTIMATED BED DAYS IN PAST 2 WEEKS
246-254	-	-	QUARTER AND SEMI-ANNUAL
			ESTIMATED WORK-LOSS DAYS IN PAST 2 WEEKS
255-263	-	-	QUARTER AND SEMI-ANNUAL

			ESTIMATED SCHOOL-LOSS DAYS IN PAST 2 WEEKS
264-272	-	-	QUARTER AND SEMI-ANNUAL

1 AC-21

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
			ESTIMATED DOCTOR VISITS IN PAST 12 MONTHS
273-281	-	-	QUARTER
282-290	-	-	SEMI-ANNUAL
291-299	-	-	BLANK

			ESTIMATED SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
300-308	-	-	QUARTER
309-317	-	-	SEMI-ANNUAL
318-335	-	-	BLANK

1 AC-22

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
336	1a		IS THERE USUAL PERSON/PLACE FOR MEDICAL CARE*
		49,149	1. Yes
		7,522	2. No
		217	3. More than one
		4,181	8. Not ascertained
		218	9. DK or refused
337	1b		ONE PLACE MOST OFTEN* (Has more than one usual person or place Q1a = 3)
		156	1. Yes
		54	2. No
		5	8. Not ascertained

2 9. DK or refused
 61,070 Blank. NA

*See recode - Regular Source of Medical Care, loc. 342.
 1 AC-23

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
338-339	2		MAIN REASON NO USUAL SOURCE*
		399	01. Two or more usual doctors/places
		3,346	02. Doesn't need doctor
		236	03. Doesn't like/trust/believe in doctors
		174	04. Doesn't know where to go
		762	05. Previous doctor not available/moved
		1,649	06. No insurance/can't afford it
		7	07. Speaks different language
		40	08. No care available/not convenient
		523	09. Other reason
		380	98. Not ascertained
		67	99. DK or refused
		53,704	Blank. NA - Don't know/Has one usual source of care
340	3		ONE PLACE MOST OFTEN*,** (Q1a = 2 and Q2 = 01)
		175	1. Yes
		134	2. No
		47	8. Not ascertained
		2	9. DK or refused
		60,929	Blank. NA

*See recode - Regular Source of Medical Care, loc. 342.

**See recode - Has Usual Person/Place for Routine Preventive Care, loc. 370
 1 AC-24

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
341	4a		GO ANY PLACE IN PAST 12 MONTHS FOR MEDICAL CARE*
		2,465	1. Yes
		4,326	2. No
		4,663	8. Not ascertained
		129	9. DK or refused
		49,704	Blank. NA - Has a usual source of care

342	Recode		REGULAR SOURCE OF MEDICAL CARE
		49,149	1. Single Regular source
		331	2. Multiple regular sources, but sees one most often
		244	3. Multiple regular sources, but no one source seen most often
		2,393	4. No current regular source but had a regular source sometime in the past year
		4,243	5. No current regular source of care and none in past year
		528	6. No current regular source and unknown if any in past year
		4,181	8. Not ascertained
		218	9. DK or refused
343-344	4b		KIND OF PLACE (Does not have a usual source of care, but did go to a place for medical care sometime in the past 12 months Q4a = 1)
		1,439	01. Doctor's office/private clinic
		82	02. Company or school clinic/center
		79	03. Community/Migrant/rural clinic
		217	04. County/city/public/county hospital outpatient clinic
		115	05. Private/other hospital outpatient clinic
		269	06. Hospital emergency room
		74	07. HMO/Prepaid group
		5	08. Psychiatric hospital/clinic
		5	09. VA hospital/clinic
		32	10. Military health care facility
		108	11. Some other place
		22	98. Not ascertained
		18	99. DK or refused
		58,822	Blank. NA

*See recode - Has Usual Person/Place for Routine Preventive Care, loc. 370
1 AC-25

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
345	4c		WOULD STILL GO TO PLACE* (Does not have a usual source of care, but did go to a place for medical care sometime in the past 12 months Q4a = 1)
		1,261	1. Yes
		965	2. No
		15	8. Not ascertained
		224	9. DK or refused
		58,822	Blank. NA
346-347	4d		MAIN REASON WOULD NOT USE

PLACE NOW (Does not have a usual source of care, but did go to a place for medical care sometime in the past 12 months and would not use this place now Q4c = 2)

340	01.	Changed residence
29	02.	Changed Jobs
30	03.	Employer changed insurance coverage
31	04.	Former source left area
2	05.	Owed money to former source
75	06.	Dissatisfied with former source/like new source better
141	07.	Medical care needs changed
20	08.	Former source stopped taking insurance
264	09.	Some other reason
22	98.	Not ascertained
11	99.	DK or refused
60,322	Blank.	NA

*See recode - Has Usual Person/Place for Routine Preventive Care, loc. 370
1 AC-26

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
348-349	5a		KIND OF PLACE
		39,709	01. Doctor's office/private clinic
		545	02. Company or school clinic/center
		890	03. Community/migrant/rural clinic/center
		1,718	04. County/city/public/county hospital outpatient clinic
		1,403	05. Private/other hospital outpatient clinic
		670	06. Hospital emergency room
		2,842	07. HMO/prepaid group
		12	08. Psychiatric hospital/clinic
		264	09. VA hospital/clinic
		544	10. Military health care facility
		504	11. Some other place
		347	98. Not ascertained
		32	99. DK or refused
		11,807	Blank. NA - Does not have/DK if have a usual source of care
350	5b		IS THERE PARTICULAR PERSON USUALLY SEEN
		41,085	1. Yes
		7,239	2. No
		967	8. Not ascertained

		189	9. DK or refused
		11,807	Blank. NA - Does not have/DK if have a usual source of care
351	6a		TYPE OF HEALTH PROFESSIONAL (Usually sees a particular person when goes to usual source of care Q5b = 1)
		37,686	1. Doctor
		86	2. Nurse
		144	3. Nurse practitioner
		76	4. Physician's assistant
		81	5. Chiropractor
		117	6. Some other professional
		2,885	8. Not ascertained
		10	9. DK or refused
		20,202	Blank. NA
1			AC-27

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
352	6b		TYPE OF DOCTOR (Usually sees a particular doctor when goes to usual source of care Q6a = 1)
		33,932	1. Family doctor/GP/ internist pediatrician
		1,075	2. Obstetrician/gynecologist
		2,082	3. Other specialist
		402	8. Not ascertained
		195	9. DK or refused
		23,601	Blank. NA
353	7		LAST TIME WENT TO USUAL PLACE (Under 18 years of age and has a usual place for medical care)
		4,918	1. Less than 3 months ago
		3,064	2. At least 3 months, less than 6 months ago
		2,147	3. At least 6 months, less than 1 year ago
		1,391	4. At least 1 year, less than 2 years ago
		568	5. Two or more years ago
		2,457	8. Not ascertained
		136	9. DK or refused
		46,606	Blank. NA
(354-358)	8a-e		SATISFIED LAST VISIT
354	8a		WAITING TIME TO GET APPOINTMENT (Under 18 years of age and went to usual place of medical care less than 3 months ago)
		4,274	1. Yes
		259	2. No

346	8.	Not ascertained
39	9.	DK or refused
56,369	Blank.	NA

355	8b		WAITING TIME TO SEE DOCTOR (Under 18 years of age and went to usual place of medical care less than 3 months ago)
		4,024	1. Yes
		480	2. No
		14	3. Doesn't apply
		349	8. Not ascertained
		51	9. DK or refused
		56,369	Blank. NA
			AC-28

1

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
(354-358)	8a-e		SATISFIED LAST VISIT (Continued)
356	8c		WAY QUESTIONS WERE ANSWERED (Under 18 years of age and went to usual place of medical care less than 3 months ago)
		4,386	1. Yes
		123	2. No
		352	8. Not ascertained
		57	9. DK or refused
		56,369	Blank. NA
357	8d		ABILITY TO GET ALL CARE NEEDED (Under 18 years of age and went to usual place of medical care less than 3 months ago)
		4,387	1. Yes
		130	2. No
		354	8. Not ascertained
		47	9. DK or refused
		56,369	Blank. NA
358	8e		OVERALL CARE RECEIVED (Under 18 years of age and went to usual place of medical care less than 3 months ago)
		4,417	1. Yes
		109	2. No
		359	8. Not ascertained
		33	9. DK or refused
		56,369	Blank. NA
			AC-29

1

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape

Locations	Item No.	Frequency	Items and Codes
359	9a		SAME PERSON SEEN FOR ROUTINE CARE* (Under 18 years of age AND usually sees a particular person when goes to usual source of care Q5b = 1)
		11,157	1. Yes
		249	2. No
		600	8. Not ascertained
		31	9. DK or refused
		49,250	Blank. NA
360	9b		SAME PLACE FOR ROUTINE CARE* (Under 18 years of age and does not/DK if usually see a particular person when goes to usual source of care or does not/DK see the particular person mentioned in Q6a. Note: Q5b or Q9a = 2,8,9)
		2,282	1. Yes
		299	2. No
		905	8. Not ascertained
		38	9. DK or refused
		57,763	Blank. NA
(361-364)	10a-d		ABILITY OF ROUTINE CARE PROVIDER
361	10a		PROVIDE FOR MOST NEEDS WHEN SICK (Under 18 years of age AND usually sees a particular person when goes to usual source of care Q9a = 1)
		10,765	1. Yes
		53	2. No
		315	8. Not ascertained
		24	9. DK or refused
		50,130	Blank. NA

*See recode - Has Usual Person/Place for Routine Preventive Care, loc. 370
1 AC-30

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
(361-364)	10a-d		ABILITY OF ROUTINE CARE PROVIDER - (Continued)
362	10b		MAKE REFERRALS WHEN NEEDED (Under 18 years of age AND usually sees a particular person when goes to usual source of care Q9a = 1)
		10,559	1. Yes

		67	2. No
		320	8. Not ascertained
		211	9. DK or refused
		50,130	Blank. NA
363	10c		CARE ON EVENINGS OR WEEKENDS WHEN SICK (Under 18 years of age AND usually sees a particular person when goes to usual source of care Q9a = 1)
		9,496	1. Yes
		707	2. No
		319	8. Not ascertained
		635	9. DK or refused
		50,130	Blank. NA
364	10d		PROVIDE ADVICE ABOUT FAMILY CONCERNS (Under 18 years of age AND usually sees a particular person when goes to usual source of care Q9a = 1)
		8,931	1. Yes
		424	2. No
		332	8. Not ascertained
		1,470	9. DK or refused
		50,130	Blank. NA
1			AC-31

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
(365-368)	11a-d		ABILITY AT ROUTINE CARE PLACE
365	11a		PROVIDE FOR MOST NEEDS WHEN SICK (Under 18 years of age AND usually goes to a particular place for medical care, but doesn't see a particular person)
		2,046	1. Yes
		45	2. No
		167	8. Not ascertained
		24	9. DK or refused
		59,005	Blank. NA
366	11b		MAKE REFERRALS WHEN NEEDED (Under 18 years of age AND usually goes to a particular place for medical care, but doesn't see a particular person)
		1,954	1. Yes
		41	2. No
		169	8. Not ascertained
		118	9. DK or refused
		59,005	Blank. NA
367	11c		CARE ON EVENINGS OR WEEKENDS WHEN SICK (Under 18 years of age AND usually goes to a particular place for medical

person) care, but doesn't see a particular

	1,639	1. Yes
	249	2. No
	170	8. Not ascertained
	224	9. DK or refused
1	59,005	Blank. NA AC-32

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
(365-368)	11a-d		ABILITY AT ROUTINE CARE PLACE - (Continued)
368	11d		PROVIDE ADVICE ABOUT FAMILY CONCERNS (Under 18 years of age AND usually goes to a particular place for medical care, but doesn't see a particular person)
		1,431	1. Yes
		160	2. No
		170	8. Not ascertained
		521	9. DK or refused
		59,005	Blank. NA
369	12		HAS USUAL PERSON/PLACE, FOR ROUTINE/PREVENTIVE CARE*
		257	1. Yes
		111	2. No
		1,803	3. No usual source of care when sick AND has not seen doctor in past 12 months
		377	4. No usual source of care when sick BUT has seen a doctor in past 12 months
		920	8. Not ascertained**
		0	9. Unknown
		57,819	Blank. NA - 18+ years of age, under 18 and with a single source of sick care which also provides routine care

*See recode - Has Usual Person/Place for Routine Preventive Care, loc. 370

**Includes 900 persons under 18 years of age with some types of usual sources who were intentionally not asked this question.

1 AC-33

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape

Locations	Item No.	Frequency	Items and Codes
370	Recode		HAS USUAL PERSON/PLACE FOR ROUTINE PREVENTIVE CARE
		13,439	0. Yes, has place for routine/preventive care which also is usual source of medical care when sick
		204	1. Yes, has a place for routine/preventive care, but it is not usual source of medical care when sick
		76	2. No place for routine/preventive care, but has usual source of care when sick
		19	3. Yes, has a place for routine/preventive care, but has two more usual sources of care when sick
		26	4. No place for routine/preventive care, but has two or more usual sources of medical care when sick
		1,803	5. No usual source of medical care
		1,297	8. Not ascertained
		43	9. Unknown if has place for routine/preventive care, but has usual source of medical care when sick (may have two or more sources)
		44,380	Blank. NA - 18+ years of age
371	13		NUMBER TIMES SEE ANY DOCTOR PAST 3 MONTHS
		25,197	0. None
		19,432	1. Once or twice
		5,553	2. 3-9 times
		1,092	3. 10 times or more
		9,118	4. No usual source AND didn't/DK go to a place for medical care in past 12 months
		633	8. Not ascertained
		262	9. DK or refused
372	14b		CHANGED PLACE FOR ROUTINE CARE
		4,372	1. Yes
		52,513	2. No
		4,334	8. Not ascertained
		68	9. DK or refused
1			AC-34

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
373-374	14d		MAIN REASON FOR CHANGE LAST TIME
		1,350	01. Changed residence
		176	02. Changed jobs

571	03.	Employer changed insurance coverage
197	04.	Former source left area
11	05.	Owed money to former source
668	06.	Dissatisfied with former source/ like new source better
272	07.	Medical care needs changed
122	08.	Former source stopped taking insurance
924	09.	Some other reason
80	98.	Not ascertained
1	99.	DK or refused
56,915	Blank.	NA - Did not/DK change usual place of medical care in past 12 months

375	15b	NEEDED CARE BUT NOT ABLE TO GET IT
		1,670 1. Yes
		55,324 2. No
		4,187 8. Not ascertained
		106 9. DK or refused

1

AC-35

1993 NHIS ACCESS TO CARE PUBLIC USE FILE

Tape Locations	Item No.	Frequency	Items and Codes
376-377	15d		MAIN REASON DIDN'T GET CARE
		752	01. Could not afford it
		232	02. No insurance
		44	03. Doctor did not accept Medicaid/ insurance plan
		29	04. Not serious enough
		33	05. Wait too long in clinic/office
		114	06. Difficulty getting an appointment
		17	07. Doesn't like/trust/ believe in doctors
		42	08. No doctor available
		14	09. Didn't know where to go
		27	10. No way to get there
		11	11. Hours not convenient
		2	12. Speak a different language
		2	13. Health of another family member interfered
		224	14. Other reason
		123	98. Not ascertained
		4	99. DK or refused
		59,617	Blank. NA - Obtained medical care when needed during the past 12 months
378	15e		LACK OF INSURANCE OR MONEY A REASON
		209	1. Yes
		390	2. No
		59,656	8. Not ascertained

		4	9. DK or refused
		1,028	Blank. NA - Obtained medical care when needed, during the past 12 months OR already mentioned that money or lack of insurance was reason
379	16b		DELAYED SEEKING MEDICAL CARE BECAUSE OF COST
		5,256	1. Yes
		51,800	2. No
		4,147	8. Not ascertained
		84	9. DK or refused
380	17b		NEEDED DENTAL CARE BUT COULD NOT GET IT
		4,990	1. Yes
		51,954	2. No
		4,243	8. Not ascertained
		100	9. DK or refused
1			AC-36

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Tape Locations	Item No.	Frequency	Items and Codes
381	18b		NEEDED PRESCRIPTION MEDICINES BUT COULD NOT GET THEM
		1,573	1. Yes
		55,544	2. No
		4,100	8. Not ascertained
		70	9. DK or refused
382	19b		NEEDED EYEGLASSES BUT COULD NOT GET THEM
		2,139	1. Yes
		54,819	2. No
		4,236	8. Not ascertained
		93	9. DK or refused
383	20b		NEEDED MENTAL HEALTH CARE BUT COULD NOT GET IT
		445	1. Yes
		56,646	2. No
		4,123	8. Not ascertained
		73	9. DK or refused
384-385	-		BLANK
386-387	AC8		CHECK ITEM (REFERENCE PERSON ONLY) PERSON WHO ANSWERED MOST QUESTIONS
		4,504	00. Respondent not ascertained
		56,701	01-28. Person number
		0	30-97. Person number
		10	98. Active duty military
		72	99. Non household member
388	Recode		RESPONDENT STATUS RECODE

			23,186	1.	Self
			33,609	2.	Proxy
			4,492	9.	Unknown Respondent
389	-				DUMMY RECORD FLAG
			3,910	1.	Dummy record
			57,377	Blank.	Not a dummy record
390-400	-	-			BLANK

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APPENDIX

B

INDUSTRY RECODES OUTLINE

Recodes					
No. 1	No. 2	Detail Code		Industry Title	SIC Code*
Chrs. 80-81	Chrs. 82-83	(Chrs. 77-79)			
01	01	010-012,020,030		AGRICULTURE	01-02,071-072, 074-076,078
02	01	031-032		FORESTRY AND FISHERIES	08-09
10	02	040-042,050		MINING	10,12-14
20	03	060		CONSTRUCTION	15-17
(30-34, 40-46)	(04)	-		MANUFACTURING:	
(30-34)				NONDURABLE GOODS	
30	04	100-102,110-112, 120-122		Food and kindred products	201-209
31	04	132,140-142, 150-152		Textile mill and finished textile products	221-229,231-239
32	04	171-172		Printing, publishing and allied industries	271-279
33	04	180-182,190-192		Chemicals and allied	281-287,289

products

34	04	130,160-162, 200-201,210-212, 220-222	Other nondurable goods	21,261-263,265,267, 291,295,299,301- 308,311,313-317,319
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*Standard Industrial Classification

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APPENDIX

INDUSTRY RECODES OUTLINE

Recodes				
No. 1 Chrs. 80-81	No. 2 Chrs. 82-83	Detail Code (Chrs. 77-79)	Industry Title	SIC Code*
(30-34, 40-46)	(04)	-	MANUFACTURING: - continued	
(40-46)			DURABLE GOODS	
40	04	230-232,241-242	Furniture, lumber and wood	241-245,249,25
41	04	270-272,280	Primary metal industries	331-332,334,3331, 3334,3339,3351,3353- 3366,3369,
				3357,3363- 339
42	04	281-282,290-292, 300	Fabricated metal industries, including ordnance	341-349
43	04	310-312,320-322, 331-332	Machinery, except electrical	351-359
44	04	340-342,350	Electrical machinery, equipment and supplies	361-367,369
45	04	351-352,360-362, 370	Transportation equipment	371-376,379
46	04	250-252,261-262, 301,371-372, 380-381,390-392	Other and not specified durable goods	321-329,381-382, 384-387,39
(50-54)	(05)	-	TRANSPORTATION, COMMUNICATIONS AND OTHER PUBLIC UTILITIES	
50	05	400	Railroads	40

51	05	410-411	Trucking service and warehousing	421-423
52	05	401-402,412, 420-422,432	Other transportation	41,43-47
53	05	440-442	Communications	481-484,489
54	05	450-452,470-472	Utilities and sanitary	491-497

*Standard Industrial Classification

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APPENDIX

INDUSTRY RECODES OUTLINE

Recodes				

No. 1	No. 2	Detail Code	Industry Title	SIC Code*
Chrs.	Chrs.	(Chrs. 77-79)		
80-81	82-83			
60	06	500-502,510-512, 521,530-532, 540-542,550-552, 560-562,571	WHOLESALE TRADE	501-509,511-519,
(61-65)	(07)	-	RETAIL TRADE	
61	07	591-592,600	General merchandise stores	531,533,539
62	07	601-602,610-611	Food, bakery and dairy stores	541-546,549
63	07	612,620-622	Automotive dealers and gasoline stations	551-557,559
64	07	641	Eating and drinking places	58
65	07	580-582,590,623 630-633,640,642, 650-652,660-663, 670-672,681-682, 691	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	700-702	Banking and credit agencies	60-61

71 08 710-712 Insurance, real estate, 62-65,67
and other finance

*Standard Industrial Classification

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APPENDIX

INDUSTRY RECODES OUTLINE

Recodes			Industry Title	SIC Code*
No. 1 Chrs. 80-81	No. 2 Chrs. 82-83	Detail Code (Chrs. 77-79)		
(75-85)	(09-12)	-	SERVICES:	
(75-76)	(09)		BUSINESS AND REPAIR SERVICES	
75	09	721-722,731-732, 740-742,750	Business services	731-738,751,752, 7542
76	09	751-752,760	Repair services	753,7549,762-764, 7692,7694,7699
(77-78)	(10)	-	PERSONAL SERVICES	
77	10	761	Private households	88
78	10	762,770-772, 780-782,790-791	Other personal services	701-704,721-726,729
79	11	800-802,810	ENTERTAINMENT AND RECREATION SERVICES	781-784,791-794,799
(80-85)	(12)	-	PROFESSIONAL AND RELATED SERVICES	
80	12	831	Hospitals	806
81	12	812,820-822,830, 832,840	Health services, except hospitals	801-803,8041-8043, 8049,805,807-809
82	12	842,850	Elementary and secondary schools and colleges	821-822
83	12	851-852,860	Other educational services	823-824,829
84	12	861-863,870-873, 880-881	Social services, religious and membership organizations	832-833,835-836, 839,84,861-866,869
85	12	841,882,890-893	Legal, engineering and other professional services	81,871-874,899

*Standard Industrial Classification

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APPENDIX

INDUSTRY RECODES OUTLINE

Recodes				
No. 1 Chrs. 80-81	No. 2 Chrs. 82-83	Detail Code (Chrs. 77-79)	Industry Title	SIC Code*
90	13	900-901,910, 921-922,930-932	PUBLIC ADMINISTRATION	911-913,919,92-97
95	14	998 and all other codes except 997	UNKNOWN INDUSTRY (INCLUDES NEVER WORKED)	-
96	14	997	REFUSED, CLASSIFIED, ETC.	
97	15	Not applicable	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	991	ARMED FORCES (excludes Reserves and National Guard)	

*Standard Industrial Classification

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APPENDIX

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

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OCCUPATION RECODE OUTLINE

APPENDIX C

Recodes				
No. 1	No. 2	Detail Code	Occupation Title	SOC Code*
Chrs. 87-88	Chrs. 89-90	(Chrs. 84-86)		
(01-03)	(01)	-	EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	-
01	01	003-006	Officials and administrators, public administration	111-113
02 1344,	01	007-009,013-019, 021-022	Managers and administrators, except public administration	121-128,131- 1351-1354,1359, 136-139
03 1473,149	01	023-029,033-037	Management related occupations	1412,1414-1415, 1419,142-143, 1442-1443,1449, 145,1472-

(04-11)		(02)	-	PROFESSIONAL SPECIALTY OCCUPATIONS	-
04	02	044-049,053-059		Engineers	1622-1628,1632- 1637,1639
05	02	043,063		Architects and surveyors	161,164
06	02	064-069,073-079 083		Natural mathematical and computer scientists	171-172,1732- 1733,1739,1842- 1843,1845-1847, 1849,1852-1855
07	02	084-089		Health diagnosing occupations	261-262,27,281, 283,289
08	02	095-099,103-106		Health assessment and treating occupations	29,301-302,3031- 3034,3039,304
09	02	113-119,123-129, 133-139,143-149 153-159,163-165		Teachers, librarians and counselors	2212-2218,2222- 2228,2231-2238, 2242-2247,2249, 231-233,235,236, 239,24,251,252
10	02	183-189,193-195, 197-199		Writers, artists, entertainers and athletes	34,321-329,331- 333,398
11	02	166-169,173-179		Other professional specialty occupations	1912-1916,1919, 192,2032-2033, 2042,2049,211-

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*Standard Occupational Classification.

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APPENDIX

OCCUPATION RECODE OUTLINE

Recodes					

No. 1	No. 2	Detail Code		Occupation Title	SOC Code*
Chrs.	Chrs.	Chrs. (Chrs. 84-86)			
87-88	89-90				
(12-13)	(03)	-		TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	-
12	03	203-208		Health technologists and technicians	362-366,369
13	03	213-218,223-229, 233-235		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	243	Supervisors and proprietors	40
15	04	253-259	Sales representatives, commodities and finance	4122-4124, 4152- 4153, 421, 423-424
16	04	263-269, 274-278, 283-285	Other sales	4342-4348, 4351- 4354, 4356, 4359, 4362-4367, 4369, 444-447, 449
(17-21)	(05)	-	ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	-
17	05	308-309	Computer equipment operators	4612-4613
18	05	313-315	Secretaries, stenographers and typists	4622-4624
19	05	337-339, 343-344	Financial records processing occupations	4712-4713, 4715- 4716, 4718
20	05	354-357	Mail and message distributing	4742-4745
21	05	303-307, 316-319, 323, 325-329, 335-336, 345-348, 353, 359, 363-366, 368, 373-379, 383-387, 389	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

*Standard Occupational Classification.

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APPENDIX

OCCUPATION RECODE OUTLINE

Recodes					
No. 1	No. 2	Detail Code		Occupation Title	SOC Code*
87-88	89-90	(Chrs. 84-86)			
22	06	403-407		PRIVATE HOUSEHOLD OCCUPATIONS	502-507, 509

(23-24)	(07)	-	PROTECTIVE SERVICE OCCUPATIONS	
23	07	413-414,416-418, 423-424	Police and firefighters	5111-5112,5122- 5123,5132-5134
24	07	415,425-427	Other protective service occupations	5113,5142,5144, 5149

(25-28)	(08)	-	SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	
25	08	433-436,438-439, 443-444	Food service	5211-5219
26	08	445-447	Health service	5232-5233,5236
27	08	448-449,453-455	Cleaning and building service	5241-5242,5244- 5246,5249
28	08	456-459,461-469	Personal service	5251-5258,5262- 5264,5269

(29-31)	(09)	-	FARMING, FORESTRY AND FISHING OCCUPATIONS	
29	09	473-476	Farm operators and managers	5512-5515,5522- 5525
30	09	477,479,483-489	Farm workers and other agricultural workers	5611-5619,5621- 5622,5624-5625, 5627
31	09	494-499	Forestry and fishing occupations	571-573,579, 583-

584,8241(pt.)

*Standard Occupational Classification.

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APPENDIX

OCCUPATION RECODE OUTLINE

Recodes

 No. 1 No. 2
 Chrs. Chrs. Detail Code Occupation Title SOC Code*
 87-88 89-90 (Chrs. 84-86)

(32-34)	(10)	-	PRECISION PRODUCTION, CRAFT AND REPAIR OCCUPATIONS	
32	10	503,505-509, 514-519,523, 525-527,529 533-536,538-539, 543-544,547,549	Mechanics and repairers	60,6111-6118, 613-614,6151- 6159,616,6171- 6179
33	10	553-558,563-567, 569,573,575-577, 579,583-585, 587-589,593-599, 613-617	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	628,634-637,639, 643-647,649, 653-659,666-669, 674-679,683-684, 686-689,693-696, 699	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.), 7668,7677(pt.), 7752,828

*Standard Occupational Classification

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APPENDIX

OCCUPATION RECODE OUTLINE

Recodes

No. 1	No. 2			
Chrs.	Chrs.	Detail Code	Occupation Title	SOC Code*
87-88	89-90	(Chrs. 84-86)		

OPERATORS, FABRICATORS AND LABORERS

(35-36) (11) MACHINE OPERATORS, ASSEMBLERS
AND INSPECTORS

35	11	703-709,713-715, 717,719,723-729, 733-739,743-745, 747-749,753-759, 763-766,768-769, 773-774,777,779	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,
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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	783-787,789, 793,795-799	Fabricators, assemblers, inspectors and samplers	7332-7333,7532- 7533,7714,7717, 772,774,7753- 7759,782-785,787
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(37-39) (12) - TRANSPORTATION AND MATERIAL
MOVING OCCUPATIONS

37	12	803-804,806, 808-809,813-814	Motor vehicle operators	8111,8212-8216, 8218-8219,874
38	12	823-826,828-829, 833-834	Other transportation, except motor vehicles	8113,8232-8233, 8239,8241(pt.), 8242-8245
39	12	843-845,848-849, 853,855-856,859	Material moving equipment operators	812,8312-8319

*Standard Occupational Classification

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APPENDIX

OCCUPATION RECODE OUTLINE

Recodes

No. 1	No. 2			
Chrs.	Chrs.	Detail Code	Occupation Title	SOC Code*
87-88	89-90	(Chrs. 84-86)		

(40-41) (13) HANDLERS, EQUIPMENT CLEANERS,
HELPERS AND LABORERS

40	13	869	Construction laborers	871
41	13	864-868,874-878, 883,885,887-889	Freight, stock and material handlers	85,861-863, 8641-8646, 8648,865, 8722-8726,873, 875,8761,8769

95	14	998 and all other codes except 997	UNKNOWN OCCUPATION (INCLUDES NEVER WORKED)
96	14	997	REFUSED, CLASSIFIED, ETC.
97	15	Not applicable	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	905	MILITARY

*Standard Occupational Classification

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APPENDIX

OCCUPATION RECODE TITLES

Code	Titles	Recode No. Inclusions	1
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 OPERATORS, FABRICATORS AND LABORERS	32-34
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
16	MILITARY	98