

1993 National Health Interview Survey (NHIS)
Health Insurance
Public Use Data File

1. This tape contains the part of the 1993 National Health Interview Survey (NHIS) related to health insurance. For this survey, information was collected from a household respondent about all family members who participated in the NHIS. The health insurance questionnaire was administered in all of the NHIS sample households in the last 2 quarters of 1993. The health insurance survey covered several different topic areas:
 - a. Type of health care coverage: Medicare, Medicaid, military/CHAMPUS/CHAMP-VA, other public assistance, Indian Health Service, private insurance.
 - b. Private insurance characteristics reported by the respondent: HMO status, choice of doctor, source of coverage, existence of employer subsidies for premiums, amount paid by individual/family, whether plan is single or general purpose, coverage for well child visits, mammograms.
 - c. Type of private insurance obtained by comparing reported plan name with precoded list of plans: fee for service plans, HMO type, HMO enrollment size, correspondence between respondent-reported HMO status and plan list code.
 - d. Individual coverage status.
 - e. Problems relating to coverage including denial or restriction of coverage, "job lock" due to insurance, why not covered (either currently or within past year) and for how long.
 - f. Out-of-pocket costs in past year (general categories).
2. The 1993 Health Insurance topic was administered only in the last half of 1993 (Quarters 3 and 4) for everyone in the NHIS. Some questions either in the Health Insurance topic or in the core person data refer to a 2 week time period and some conditions, health status and health care utilization and coverage 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 Health Insurance topic was fielded for the entire survey year, especially for those variables known to be subject to seasonal variation/reporting.

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The 1993 Health Insurance 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 336-490)

Fields pertaining to various types of coverage are in locations 337-452. Summary coverage status recodes that are not specific to single types of coverage or specific plans are located in locations 453-461. Fields pertaining to those who are known not to be covered are in locations 462-482.

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 Health Insurance was 88.4 percent. This response rate was calculated as follows:

Household response rate from core for the 3rd and 4th quarters (94.7 percent) multiplied by 93.3 percent who responded to the Health Insurance section yielding an overall response rate of 88.4 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 Health Insurance Basic Weight) will be used in most analyses of the Health Insurance data.

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The Final Basic Weight (location 210-218) is equivalent to 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 Health Insurance 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 Health Insurance data items in file locations 336-490.

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 Health Insurance 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 Health Insurance 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:

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

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

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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:

$$\begin{aligned} & \text{Number of discharges} \times \text{Final Basic Weight} \\ & = \text{Total number of discharges occurring in the} \\ & \quad \text{population in the last half of 1993.} \end{aligned}$$

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.

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.}

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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 Health Insurance, 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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HI-1

NATIONAL HEALTH INTERVIEW SURVEY

1993 HEALTH INSURANCE PUBLIC USE RECORD LAYOUT

Outline of Items and Codes

Number of Records 61,287

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-		RECORD TYPE
		61,287	85. Health Insurance
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

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 HEALTH INSURANCE PUBLIC USE RECORD

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 HEALTH INSURANCE PUBLIC USE RECORD

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 HEALTH INSURANCE PUBLIC USE RECORD

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.

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes	
43-45	Recode		RACE RECODES	
43		49,934	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.
		8,741	1. White	
		2,612	2. Black	
			3. Other	
44		49,934	Recode 2	
		11,353	1. White	
			2. Non-white	
45		8,741	Recode 3	
		52,546	1. Black	
			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.

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

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

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

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
1			HI-9

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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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 HEALTH INSURANCE PUBLIC USE RECORD

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	48,046 7,804 5,437	NHIS POVERTY INDEX* 1. At or above poverty threshold 2. Below poverty threshold 3. Unknown
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62-63			FAMILY RELATIONSHIP
62	A-2	6,473 710 54,007 97	Type of Family &. Primary individual -. Secondary individual 0. Primary family 1-9. Secondary family
63	A-2	6,204 18,221 13,714 137 19,929 1,074 555 1,442 11 0	Relationship to Reference Person &. Reference person, living alone 0. Reference person, 2+ persons in household 1. Spouse, other spouse NOT in Armed Forces and living at home 2. Spouse, other spouse IN Armed Forces and living at home 3. Child of reference person or spouse 4. Grandchild of reference person or spouse 5. Parent of reference person or spouse 6. Other relative 7. Child of ineligible reference person 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.

1 HI-11

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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64	Recode	6,204 979 28,127 25,977	FAMILY RELATIONSHIP RECODE 1. Living alone 2. Living only with non-relative 3. Living with spouse 4. Living with relative - other
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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.

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1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

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-
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)

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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 HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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 HI-16

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

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 HI-17

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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
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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 HI-18

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

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.

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HI-19

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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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

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
201-209	-	-	FINAL BASIC WEIGHT QUARTER
210-218	-	-	SEMI-ANNUAL (WT/2)
219-227	-	-	BLANK
228-236	-	-	6.5 WEIGHT QUARTER AND SEMI-ANNUAL
237-245	-	-	ESTIMATED RESTRICTED ACTIVITY DAYS IN PAST 2 WEEKS QUARTER AND SEMI-ANNUAL
246-254	-	-	ESTIMATED BED DAYS IN PAST 2 WEEKS QUARTER AND SEMI-ANNUAL
255-263	-	-	ESTIMATED WORK-LOSS DAYS IN PAST 2 WEEKS QUARTER AND SEMI-ANNUAL
264-272	-	-	ESTIMATED SCHOOL-LOSS DAYS IN PAST 2 WEEKS QUARTER AND SEMI-ANNUAL
1			HI-21

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

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			HI-22

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
336			DUMMY FLAG
		568	0. Only one record type dummied
		4,086	1. Complete dummy record
		56,633	Blank. Not dummied
337	1b		COVERED BY MEDICARE LAST MONTH
		7,534	1. Yes
		49,415	2. No
		4,281	8. Not ascertained
		57	9. DK or refused
338	1d (2)		TYPE OF COVERAGE
		323	1. Part A - Hospital only
		77	2. Part B - Medical only
		3,840	3. Both part A and part B
		3,015	4. Card N.A.
		272	8. Not ascertained
		7	9. DK or refused
		53,753	Blank. NA; No or unknown if covered by Medicare
339	1e		MEDICARE PART A (No Card Seen)
		2,747	1. Yes
		35	2. No
		23	8. Not ascertained
		210	9. DK or refused
		58,272	Blank. NA; No or unknown if covered by Medicare,

covered but part A/B
coverage unknown from card

340	1f		MEDICARE PART B (No Card Seen)
		2,615	1. Yes
		125	2. No
		28	8. Not ascertained
		247	9. DK or refused
		58,272	Blank. NA; No or unknown if covered by Medicare, covered but part A/B coverage unknown from card

1

HI-23

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
341	1g		LENGTH OF TIME WITH MEDICARE COVERAGE
		189	1. Less than 6 months
		240	2. 6 months, but less than 1 year
		380	3. 1 year but less than 2 years
		583	4. 2 years or more
		105	8. Not ascertained
		34	9. DK or refused
		59,756	Blank. NA; No or unknown if covered by Medicare, covered but age 67 or older
342	2b		HAS MEDICAID CARD NOW
		5,333	1. Yes
		51,456	2. No
		4,359	8. Not ascertained
		139	9. DK or refused
343	2d(1)		MEDICAID CARD SEEN
		1,803	1. Card seen
		2,292	2. No card seen
		148	3. Other card seen
		1,090	8. Not ascertained
		55,954	Blank. NA; No or Unknown if covered by Medicaid
(344-347)	2d(2)		EXPIRATION DATE OF MEDICAID CARD
344-345			MONTH
			01. January
			02. February
			03. March
			04. April
			05. May
			06. June
			07. July
			08. August
			09. September
			10. October
			11. November

12. December
 98. Not ascertained
 Blank. NA; No or unknown if covered
 by Medicaid; covered but Medicaid
 card not seen

1

HI-24

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(344-347)			EXPIRATION DATE OF MEDICAID CARD
346-347			DAY 01-31. Day of month 98. Not ascertained Blank. NA; No or unknown if covered by Medicaid; covered but Medicaid card not seen
348	3b		COVERED BY MEDICAID LAST MONTH
		5,234	1. Yes
		51,594	2. No
		4,325	8. Not ascertained
		134	9. DK or refused
349	3d		LENGTH OF TIME WITH MEDICAID COVERAGE
		520	0. Less than 6 months
		520	1. 6 months but less than one year
		675	2. 1 yr, but less than 2 years
		1,027	3. 2 years but less than 5 years
		1,315	4. 5 years or more
		20	5. On and off for less than 2 years
		86	6. On and off for 2 yrs but less than 5 yrs
		308	7. On and off for 5 yrs or more
		517	8. Not ascertained
		246	9. DK or refused
		56,053	Blank. NA; No or unknown if covered by Medicaid last month
350	4b		RECEIVED MEDICAID CARE IN PAST 12 MONTHS
		439	0. Single person covered by Medicaid (not asked question)
		4,210	1. Yes
		51,855	2. No
		4,639	8. Not ascertained
		144	9. DK or refused
351	5b		COVERED BY OTHER PUBLIC ASSISTANCE LAST MONTH
		483	1. Yes
		56,148	2. No
		4,572	8. Not ascertained
		84	9. DK or refused

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HI-25

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
352	6c	1,070 55,697 4,520	COVERED BY CHAMPUS OR CHAMP - VA LAST MONTH 1. Yes 2. No 8. Not ascertained
353	6f	788 55,739 4,760	COVERED BY OTHER MILITARY HEALTH CARE LAST MONTH 1. Yes 2. No 8. Not ascertained
354			BLANK
355	7b	234 56,597 4,419 37	COVERED BY INDIAN HEALTH SERVICE 1. Yes 2. No 8. Not ascertained 9. DK or refused
1			HI-26

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(356-437)	1a-7b		TABLE HI (Tape locations in parenthesis)
			Plan 1 Plan 2 Plan 3 Plan 4
NAME OF PLAN			
01-02, 04-20, 55,77, 88. Refer to Health Insurance Plan Listing			(356-357) (378-379) (400-401) (422-423)
98. Not ascertained			44,733 13,122 2,387 408
99. DK or refused to say if has insurance			171 27 11 5
Blank. NA; No or unknown if anyone in family has private health insurance; this plan not mentioned for this family/individual			40 35 15 5
			16,343 48,103 58,874 60,869
			(358) (380) (402) (424)
COVERAGE STATUS			
0. Not known to be covered			7,834 5,895 1,353 251

	by this plan				
1.	Covered by this general purpose plan	36,409	6,093	690	88
2.	Covered by this single service plan	554	1,063	351	73
8.	Unknown which family member is covered by this plan	147	133	19	6
Blank.	NA; No or unknown if anyone in family has private health insurance; this plan not mentioned for this family/individual	16,343	48,103	58,874	60,869
PLAN IN WHOSE NAME		(359)	(381)	(403)	(425)
1.	In own name	17,639	4,304	656	114
2.	Person not in household	710	259	54	4
3.	Someone else in family (HH) or unknown	26,595	8,621	1,703	300
Blank.	NA; No or unknown if anyone in family has private health insurance; this plan not mentioned for this family/individual	16,343	48,103	58,874	60,869

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HI-27

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes			
(356-437)	1a-7b		TABLE HI - Continued			
			Plan 1	Plan 2	Plan 3	Plan 4
ORIGINALLY OBTAINED THROUGH WORKPLACE OR UNION			(360)	(382)	(404)	(426)
1.	Employer		36,974	10,271	1,766	294
2.	Union		1,128	344	65	7
3.	Through workplace but DK if employer or union		389	107	30	0
4.	No		6,120	2,254	489	102
8.	Not ascertained		116	64	20	6
9.	DK or refused		217	144	43	9
Blank.	NA; No or unknown if anyone in family has private health insurance; this plan not mentioned for this family/individual		16,343	48,103	58,874	60,869
EMPLOYER/UNION CURRENTLY PAY FOR PREMIUMS			(361)	(383)	(405)	(427)
1.	All		11,485	3,693	602	113
2.	Some		22,260	5,103	826	111
3.	None		2,538	709	163	21

8.	Not Ascertained	325	150	13	9
9.	DK or Refused	1,883	1,067	257	47
Blank.	NA; No or unknown if anyone in family has private health insurance; this plan not mentioned for this family/individual; coverage not obtained through workplace	22,796	50,565	59,426	60,986

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HI-28

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes			
(356-437)	1a-7b		TABLE HI - Continued			
			Plan 1	Plan 2	Plan 3	Plan 4
		LAST MONTH'S PREMIUM PAID BY FAMILY	(362)	(384)	(406)	(428)
	0.	Zero	1,119	404	76	14
	1.	\$1-9	643	418	105	21
	2.	\$10-19	1,640	766	134	23
	3.	\$20-49	5,672	1,899	392	85
	4.	\$50-99	7,315	1,899	283	24
	5.	\$100-199	6,964	1,069	141	29
	6.	\$200-499	3,972	366	61	13
	7.	\$500 or more	504	44	0	2
	8.	Not ascertained	269	195	44	13
	9.	DK or refused	5,361	2,431	575	81
Blank.		NA; No or unknown if anyone in family has private health insurance; this plan not mentioned for this family/individual; entire premium paid by employer/union	27,828	51,796	59,476	60,982
		VARIETY OR SINGLE SERVICE PLAN	(363)	(385)	(407)	(429)
	1.	Variety of service	43,394	11,337	1,794	270
	2.	Single service/care	773	1,332	487	133
	8.	Not ascertained	245	186	32	7
	9.	DK or refused	532	329	100	8
Blank.		NA; No or unknown if anyone in family has private health insurance; this plan not mentioned for this family/individual	16,343	48,103	58,874	60,869

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HI-29

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes			
(356-437)	1a-7b		TABLE HI - Continued			
			Plan 1	Plan 2	Plan 3	Plan 4
TYPE OF SINGLE SERVICE			364-365	386-387	408-409	430-431
	01.	Accidents	81	69	37	0
	02.	AIDS care	0	0	0	0
	03.	Cancer treatment	17	152	52	20
	04.	Catastrophic care	45	31	21	0
	05.	Dental care	53	581	160	63
	06.	Disability insurance	11	24	13	11
	07.	Hospice care	2	9	2	0
	08.	Hospitalization-only	415	221	62	12
	09.	Long term care	1	25	17	3
	10.	Prescriptions	8	51	23	0
	11.	Vision care	0	29	55	15
	12.	Other	43	59	26	9
	98.	Not ascertained	62	59	12	0
	99.	DK or refused	35	22	7	0
	Blank.	NA; No or unknown if anyone in family has private health insurance, this plan not mentioned for this family/individual, not single service plan	60,514	59,955	60,800	61,154
TYPE OF PLAN			(366)	(388)	(410)	(432)
	1.	HMO/IPA	14,128	3,096	507	61
	2.	Other	26,070	7,194	1,109	160
	8.	Not ascertained	217	132	40	5
	9.	DK or refused	3,756	1,430	270	59
	Blank.	NA; No or unknown if anyone in family has private health insurance, this plan not mentioned for this family/individual, single service plan	17,116	49,435	59,361	61,002

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HI-30

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes			
(356-437)	1a-7b		TABLE HI - Continued			
			Plan	Plan	Plan	Plan

	1	2	3	4
CHOICE OF DOCTOR	(367)	(389)	(411)	(433)
1. Any doctor	26,793	7,230	1,077	141
2. Select from group/list	15,923	3,582	613	93
8. Not ascertained	231	140	43	7
9. DK or refused	1,224	900	193	44
Blank. NA; No or unknown if anyone in family has private health insurance, this plan not mentioned for this family/individual, single service plan	17,116	49,435	59,361	61,002
PREFERRED PROVIDER LIST OPTION (Family/individual has plan and can choose any doctor)	(368)	(390)	(412)	(434)
1. Yes	7,188	1,763	217	34
2. No	14,563	3,764	563	60
8. Not ascertained	593	183	14	0
9. DK or refused	4,449	1,520	283	47
Blank. NA	34,494	54,057	60,210	61,146
PLAN PAYS FOR OUT OF PLAN USE (Family/individual has plan and must select from specific group/list)	(369)	(391)	(413)	(435)
1. Yes	5,575	1,147	143	25
2. No	6,541	1,432	293	26
8. Not ascertained	816	201	50	0
9. DK or refused	2,991	802	127	42
Blank. NA	45,364	57,705	60,674	61,194
PLAN PAYS FOR WELL CHILD CARE (Family has plan and 1+ family members under age 18)	(370)	(392)	(414)	(436)
1. Yes	13,030	2,461	280	50
2. No	6,520	1,352	225	12
8. Not ascertained	1,482	777	173	14
9. DK or refused	3,358	1,313	235	37
Blank. NA	36,897	55,384	60,374	61,174

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HI-31

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes			
(356-437)	1a-7b		TABLE HI - Continued			
			Plan 1	Plan 2	Plan 3	Plan 4
			(371)	(393)	(415)	(437)
			PLAN PAYS FOR MAMMOGRAM (Family/individual has plan and 1+			

female family member over age 39)

1.	Yes	13,797	3,017	471	24
2.	No	2,115	678	155	13
8.	Not ascertained	2,162	1,643	445	84
9.	DK or refused	5,936	2,504	535	124
Blank.	NA	37,277	53,445	59,681	61,042
TYPE OF PLAN - Recode 1		372-373	394-395	416-417	438-439
00.	Single Service Plan	554	1,063	351	73
01.	Blue Cross and/or Blue Shield	10,129	2,528	393	65
02.	Other major fee for service plan	7,836	2,116	364	59
03.	Group HMO	2,516	567	116	13
04.	Staff HMO	634	131	27	0
05.	IPA	3,583	777	125	8
06.	Network	753	148	18	0
07.	Mixed HMO	1,141	232	27	13
08.	Other HMO	3,624	860	132	27
09.	PPO	2,573	636	53	15
77.	Has insurance, DK name	2,159	1,338	353	44
88.	Other insurance	9,231	2,726	428	91
99.	DK if has insurance or refused	211	62	26	10
Blank.	Not applicable, no or unknown if has private health insurance; has private health insurance but no family plan	16,343	48,103	58,874	60,869

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HI-32

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes			
(356-437)	1a-7b		TABLE HI - Continued			
			Plan 1	Plan 2	Plan 3	Plan 4
TYPE OF PLAN - Recode 2		374-375	396-397	418-419	440-441	
00.	Single Service Plan	554	1,063	351	73	
01.	Blue Cross and/or Blue Shield	10,129	2,528	393	65	
02.	Other major fee for service plan	7,836	2,116	364	59	
03.	Large HMO (enrollment 100,000 or more)	5,009	1,062	180	26	
04.	Small HMO (enrollment less than 100,000)	3,457	754	130	7	
05.	Other HMO	3,785	899	135	28	
06.	PPO	2,573	636	53	15	

77.	Has insurance, DK name	2,159	1,338	353	44
88.	Other insurance	9,231	2,726	428	91
99.	DK if has insurance or refused	211	62	26	10
Blank.	Not applicable, no or unknown if has private health insurance; has private health insurance but no family plan	16,343	48,103	58,874	60,869

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HI-33

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes			
(356-437)	1a-7b		TABLE HI - Continued			
			Plan 1	Plan 2	Plan 3	Plan 4
HMO:	Recode		376-377	398-399	420-421	442-443
	01.	Coded HMO, respondent said HMO	11,311	2,380	390	53
	02.	Coded HMO, respondent said not HMO	2,951	794	71	17
	03.	Coded HMO, respondent said doesn't know, refused if HMO or not ascertained	536	151	31	4
	04.	Coded "name of plan unknown", respondent said HMO	335	148	32	0
	05.	Coded "name of plan unknown", respondent said HMO	1,118	554	154	10
	06.	Coded "name of plan unknown", respondent said doesn't know, refused if HMO or not ascertained	673	605	148	29
	07.	Coded Blue Plan or other, respondent said HMO	2,427	556	80	8
	08.	Coded Blue plan or other, respondent said not HMO	21,909	5,810	877	128
	09.	Coded Blue plan or other, respondent said doesn't know, refused if HMO or not ascertained	2,703	792	117	26
	10.	Coded DK, refused or not ascertained, respondent said HMO	55	12	5	0
	11.	Coded DK, refused or not ascertained, respondent said not HMO	92	36	7	5
	12.	Coded DK, refused or not ascertained, respondent	61	14	14	5

doesn't know, refused HMO
 or not ascertained
 Blank. NA; person/family not covered by this plan,
 single service plan

17,116 49,435 59,361 61,002

1 HI-34

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
444	8b		DENIED/RESTRICTED COVERAGE IN PAST TWO YEARS DUE TO PRE-EXISTING CONDITION
		729	1. Yes
		55,964	2. No
		4,454	8. Not ascertained
		140	9. DK or refused
445	9b		TURNED DOWN WHEN APPLIED IN PAST 2 YEARS
		584	1. Yes
		55,591	2. No
		4,951	8. Not ascertained
		161	9. DK or refused
446-450	Recode		REASONS UNABLE TO GET HEALTH INSURANCE
446			PRE-EXISTING CONDITION(S)
		255	1. Mentioned
		286	2. Not mentioned
		18	8. Not ascertained (any reason)
		25	9. DK any reason
		60,703	blank. NA; No or unknown if unable to get insurance
447			HEALTH RISK (smoking/overweight)
		35	1. Mentioned
		506	2. Not mentioned
		18	8. Not ascertained but turned down (entire question)
		25	9. DK any reason
		60,703	blank. NA; No or unknown if unable to get insurance
448			WORK OCCUPATION (construction, beautician, farm worker)
		5	1. Mentioned
		536	2. Not mentioned
		18	8. Not ascertained (any reason)
		25	9. DK any reason
		60,703	blank. NA; No or unknown if unable to get insurance

1 HI-35

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
446-450	Recode		REASONS UNABLE TO GET HEALTH INSURANCE -Continued
449			PREMIUMS WERE TOO HIGH
		114	1. Mentioned
		427	2. Not mentioned
		18	8. Not ascertained (any reason)
		25	9. DK any reason
		60,703	blank. NA; No or unknown if unable to get insurance
450			OTHER REASONS
		174	1. Mentioned
		367	2. Not mentioned
		18	8. Not ascertained (any reason)
		25	9. DK any reason
		60,703	blank. NA; No or unknown if unable to get insurance
451	10b		STAYED IN JOB IN PAST 2 YEARS BECAUSE OF HEALTH INSURANCE
		1,062	1. Yes
		55,602	2. No
		4,481	8. Not ascertained
		142	9. DK or refused
452	11		HEALTH INSURANCE OFFERED BY EMPLOYER
		15,683	0. Not asked, person has job and has insurance in own name
		2,808	1. Yes
		5,821	2. No
		3,119	8. Not ascertained
		619	9. DK or refused
		33,237	Blank. NA; 70 or over, not employed in past 2 weeks
1			HI-36

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
453	Recode		PRIVATE HEALTH INSURANCE COVERAGE RECODE
		536	0. Only known coverage is single purpose plan
		40,333	1. Covered by at least one general purpose health plan
		15,807	2. Not covered by any plan
		203	6. Unknown if covered by at least

		4,211	one particular plan
		197	8. Not ascertained (whole question)
			9. Unknown if covered (whole question)
454	Generated		NUMBER OF PRIVATE GENERAL PURPOSE HEALTH INSURANCE PLANS PER PERSON
		20,954	0. No known plans
		40,333	1-4. Number of plans
455	Generated		NUMBER OF PRIVATE GENERAL PURPOSE HEALTH INSURANCE PLANS PER FAMILY
		17,008	0. No known plans
		44,279	1-4. Number of plans
456	Generated		NUMBER OF SINGLE PURPOSE PLANS PER PERSON
		59,453	0. No known plans
		1,834	1-4. Number of plans
457	Generated		NUMBER OF SINGLE PURPOSE PLANS PER FAMILY
		58,932	0. No known plans
		2,355	1-4. Number of plans
458	Recode		MEDICARE AND/OR PRIVATE HEALTH INSURANCE
		42,414	1. Covered by one or both
		13,850	2. Not covered by either
		5,023	9. Unknown if covered
1			HI-37

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
459	Recode		MEDICAID OR OTHER PUBLIC ASSISTANCE
		127	1. Covered by both
		5,463	2. Not covered by one
		50,861	3. Covered by neither
		4,836	9. Unknown if covered
460	Recode		MILITARY COVERAGE
		822	0. Covered by CHAMPUS/ CHAMP-VA only
		540	1. Covered by other military health care only
		248	2. Covered by both CHAMPUS and other military health care

		54,777	3. Not covered by any military health care
		380	6. Not covered by CHAMPUS/CHAMP-VA, Unknown if covered by other military health care
		140	7. Not covered by other military health care, Unknown if covered by CHAMPUS/CHAMP-VA
		4,380	8. Not ascertained
461	Recode		COVERAGE STATUS
		47,945	1. Yes, covered
		7,656	2. Not known to be covered, some response to non-coverage reasons
		5,686	3. Not known to be covered, no response to non-coverage items
1			HI-38

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(462-475)	Recode		WHY NOT COVERED BY HEALTH INSURANCE
462			JOB LAYOFF/LOSS/UNEMPLOYED
		809	1. Mentioned
		6,604	2. Not mentioned
		29	8. Not ascertained (any reason)
		214	9. DK any reason
		53,631	blank. NA; covered, not known to be covered but no response to non-coverage items
463			WASN'T OFFERED BY EMPLOYER
		1,229	1. Mentioned
		6,184	2. Not mentioned
		29	8. Not ascertained (any reason)
		214	9. DK any reason
		53,631	blank. NA; covered, not known to be covered but no response to non-coverage items
464			NOT ELIGIBLE - PART TIME WORKER
		388	1. Mentioned
		7,025	2. Not mentioned
		29	8. Not ascertained (any reason)
		214	9. DK any reason
		53,631	blank. NA; covered, not known to be covered but no response to non-coverage items
465			FAMILY COVERAGE NOT OFFERED BY EMPLOYER
		314	1. Mentioned
		7,099	2. Not mentioned
		29	8. Not ascertained (any reason)

214 9. DK any reason
 53,631 blank. NA; covered, not known to
 be covered but no response
 to non-coverage items

1

HI-39

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(462-475)	Recode		WHY NOT COVERED BY HEALTH INSURANCE -Continued
466			BENEFITS RAN OUT
		194	1. Mentioned
		7,219	2. Not mentioned
		29	8. Not ascertained (any reason)
		214	9. DK any reason
		53,631	blank. NA; covered, not known to be covered but no response to non-coverage items
467			CAN'T OBTAIN BECAUSE OF POOR HEALTH, ILLNESS OR AGE
		150	1. Mentioned
		7,263	2. Not mentioned
		29	8. Not ascertained (any reason)
		214	9. DK any reason
		53,631	blank. NA; covered, not known to be covered but no response to non-coverage items
468			TOO EXPENSIVE/CAN'T AFFORD
		5,398	1. Mentioned
		2,015	2. Not mentioned
		29	8. Not ascertained (any reason)
		214	9. DK any reason
		53,631	blank. NA; covered, not known to be covered but no response to non-coverage items
469			DISSATISFIED WITH PREVIOUS INSURANCE
		46	1. Mentioned
		7,367	2. Not mentioned
		29	8. Not ascertained (any reason)
		214	9. DK any reason
		53,631	blank. NA; covered, not known to be covered but no response to non-coverage items

1

HI-40

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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(462-475)	Recode	WHY NOT COVERED BY HEALTH INSURANCE -Continued	
470		DON'T BELIEVE IN INSURANCE	
	60	1.	Mentioned
	7,353	2.	Not mentioned
	29	8.	Not ascertained (any reason)
	214	9.	DK any reason
	53,631	blank.	NA; covered, not known to be covered but no response to non-coverage items
471		HEALTHY/HAVEN'T NEEDED INSURANCE	
	599	1.	Mentioned
	6,814	2.	Not mentioned
	29	8.	Not ascertained (any reason)
	214	9.	DK any reason
	53,631	blank.	NA; covered, not known to be covered but no response to non-coverage items
472		COVERED BY OTHER PLAN	
	11	1.	Mentioned
	7,402	2.	Not mentioned
	29	8.	Not ascertained (any reason)
	214	9.	DK any reason
	53,631	blank.	NA; covered, not known to be covered but no response to non-coverage items
473		TOO OLD FOR COVERAGE UNDER FAMILY PLANS	
	167	1.	Mentioned
	7,246	2.	Not mentioned
	29	8.	Not ascertained (any reason)
	214	9.	DK any reason
	53,631	blank.	NA; covered, not known to be covered but no response to non-coverage items
1		HI-41	

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(462-475)	Recode	WHY NOT COVERED BY HEALTH INSURANCE -Continued	
474		FREE/INEXPENSIVE CARE AVAILABLE	
	59	1.	Mentioned
	7,354	2.	Not mentioned
	29	8.	Not ascertained (any reason)
	214	9.	DK any reason
	53,631	blank.	NA; covered, not known to be covered but no response to non-coverage items

475

OTHER REASONS

755	1. Mentioned
6,658	2. Not mentioned
29	8. Not ascertained (any reason)
214	9. DK any reason
53,631	blank. NA; covered, not known to be covered but no response to non-coverage items

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HI-42

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
476-477	12b		MAIN REASON NOT COVERED
		458	01. Job layoff/loss/unemployed
		541	02. Wasn't offered by employer
		179	03. Not eligible-part time worker
		147	04. Family coverage not offered by employer
		89	05. Benefits ran out
		70	06. Can't obtain because of poor health, illness or age
		4,867	07. Too expensive/can't afford
		21	08. Dissatisfied with previous insurance
		31	09. Don't believe in insurance
		280	10. Healthy/haven't needed insurance
		9	11. Covered by other plan
		76	12. Too old for coverage under family plans
		29	13. Free/inexpensive care available
		450	14. Other reason
		38	15. More than 1 reason specified, unknown which is main
		371	98. Not ascertained (includes unknown any specific reason)
		0	99. DK or refused
		53,631	Blank. NA; Covered, not known to be covered but no response to non-coverage items
478	12c		WHEN LAST HAD COVERAGE
		693	1. Less than 6 months ago
		569	2. 6 months ago, but less than 1 year ago
		1,515	3. 1 year ago, but less than 3 years ago
		2,275	4. 3 or more years ago
		1,973	5. Never had health insurance
		107	8. Not ascertained
		524	9. DK or refused
		53,631	Blank. NA, Covered, not known to be covered but no response to non-coverage items

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HI-43

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
479-480	12d		MAIN REASON STOPPED BEING COVERED (Not covered but had coverage within past 3 years; Q12c = 1-3)
		944	01. Lost job/changed employers
		430	02. Spouse/parent lost job/changed employers
		12	03. Death of spouse or parent
		85	04. Divorce or separation
		268	05. Became ineligible because of age
		69	06. Employer stopped offering coverage
		32	07. Cut back to part time
		110	08. Benefits from employer/ former employer ran out
		746	09. Other reason
		53	98. Not ascertained
		28	99. DK or refused
		58,510	Blank. NA
481	12e		TRIED TO FIND OTHER HEALTH INSURANCE (Not covered but had coverage within past 3 years or unknown when last covered; Q12c = 1-3,8,9)
		951	1. Yes
		1,990	2. No
		209	8. Not ascertained
		258	9. DK or refused
		57,879	Blank. NA
482	12f		REASON UNABLE TO FIND HEALTH INSURANCE (Not covered but had coverage in past 3 years or unknown when covered but tried to get coverage; Q12e = 1)
		775	1. Could not afford
		61	2. Was rejected
		109	3. Other reason
		4	8. Not ascertained
		2	9. DK or refused
		60,336	Blank. NA
1			HI-44

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
483	13a		ANY TIME WITHOUT COVERAGE
		1,917	1. Yes
		39,726	2. No

6,212	8.	Not ascertained
90	9.	DK or refused
13,342	Blank.	NA; not covered, not known to be covered

484	13b		NUMBER OF MONTHS WITHOUT COVERAGE
		233	1. 1 month or less
		483	2. 2-3 months
		515	3. 4-6 months
		603	4. More than 6 months
		75	8. Not ascertained
		8	9. DK or refused
		59,370	Blank. NA; not covered, not known to be covered, covered and no time without coverage in past 12 months

485-486	13c		MAIN REASON WITHOUT COVERAGE
		418	01. Lost job/changed employers
		266	02. Spouse/parent lost job/changed employers
		6	03. Death of spouse or parent
		36	04. Divorce or separation
		50	05. Became ineligible because of age
		27	06. Employer stopped offering coverage
		13	07. Cut back to part time
		71	08. Benefits from employer/former employer ran out
		848	09. Other reason
		145	98. Not ascertained
		37	99. DK or refused
		59,370	Blank. NA not covered, not known to be covered, covered and no time without coverage in past 12 months

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HI-45

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
487	14		AMOUNT FAMILY SPENT FOR MEDICAL CARE
		8,014	1. Zero
		28,959	2. Less than \$500
		12,417	3. \$500 - \$1,999
		2,290	4. \$2,000 - \$2,999
		1,128	5. \$3,000 - \$4,999
		1,141	6. \$5,000 or more
		5,152	8. Not ascertained
		2,186	9. DK or refused
488	Recode		RESPONSE STATUS
		22,918	1. Self
		32,965	2. Proxy
		5,404	9. Unknown Respondent
489-490			PERSON WHO ANSWERED MOST QUESTIONS
		5,416	00. Unknown respondent

55,798 01-28. Person number
 0 30-97. Person number
 1 98. Active duty military
 72 99. Non household member

491-500
 1

BLANK
 HI-46

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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HEALTH INSURANCE PLAN LISTING

FEE FOR SERVICE PLANS:

- 01. Blue Plan
- 02. Other Major Plan

HEALTH MAINTENANCE ORGANIZATIONS (HMO)

Group

- 04. 99,999 or less
- 05. 100,000 or more
- 06. Unknown enrollment

Staff

- 07. 99,999 or less
- 08. 100,000 or more
- 09. Unknown enrollment

IPA

- 10. 99,999 or less
- 11. 100,000 or more
- 12. Unknown enrollment

Network

- 13. 99,999 or less
- 14. 100,000 or more
- 15. Unknown enrollment
- 16. Preferred Provider Organizations (PPO)

- 17. Other HMOs

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HI-47

1993 NHIS HEALTH INSURANCE PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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Mixed HMO

- 18. 99,999 or less
- 19. 100,000 or more
- 20. Unknown enrollment

Other

- 55. Single purpose plan
- 77. Has insurance, DK name
- 88. Other insurance

Definitions:

- Group HMO: An HMO that contracts with one independent group practice to provide health services.
- Staff HMO: An HMO that delivers health services through a physician group that is controlled by the HMO Unit.
- IPA: An HMO that contracts directly with physicians in independent practices; and/or contracts with one or more associations of physicians in independent practice; and/or contracts with one or more multispecialty group practices (but the plan is predominantly organized around solo/single practices).
- Network: An HMO that contracts with two or more independent group practices, possibly including a staff group, to provide health services. Although a network may contain a few solo practices, it is predominantly organized around groups.
- Mixed: Any HMO combining a group, staff, or network model and an IPA model. The HMO includes both group and solo practices.

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APPENDIX

B

INDUSTRY RECODES OUTLINE

Recodes				
No. 1	No. 2	Detail Code	Industry Title	SIC Code*
Chrs.	Chrs.	(Chrs. 77-79)		
80-81	82-83			
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 products	281-287,289
34	04	130,160-162, 200-201,210-212, 220-222	Other nondurable goods	21,261-263,265,267, 291,295,299,301- 306, 308,311,313-317,319

*Standard Industrial Classification

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APPENDIX

INDUSTRY RECODES OUTLINE

Recodes				

No. 1	No. 2			
Chrs.	Chrs.	Detail Code	Industry Title	SIC Code*
80-81	82-83	(Chrs. 77-79)		
(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- 3357,3363- 3366,3369, 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 Chrs. 80-81	No. 2 Chrs. 82-83	Detail Code (Chrs. 77-79)	Industry Title	SIC Code*
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60	06	500-502,510-512, 521,530-532, 540-542,550-552, 560-562,571	WHOLESALE TRADE	501-509,511-519,
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(61-65) (07) - RETAIL TRADE

61	07	591-592,600	General merchandise stores	531,533,539
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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, and other finance	62-65,67

*Standard Industrial Classification

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APPENDIX

INDUSTRY RECODES OUTLINE

Recodes

No. 1	No. 2	Detail Code	Industry Title	SIC Code*
Chrs. 80-81	Chrs. 82-83	(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	781-784,791-794,799

RECREATION SERVICES

(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	No. 2	Detail Code	Industry Title	SIC Code*
Chrs. 80-81	Chrs. 82-83	(Chrs. 77-79)		
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).	

*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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APPENDIX C

OCCUPATION RECODE OUTLINE

Recodes

No. 1 Chrs. 87-88	No. 2 Chrs. 89-90	Detail Code (Chrs. 84-86)	Occupation Title	SOC Code*
(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 Chrs. 87-88	No. 2 Chrs. 89-90	Detail Code (Chrs. 84-86)	Occupation Title	SOC Code*
(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 Chrs. 87-88	No. 2 Chrs. 89-90	Detail Code (Chrs. 84-86)	Occupation Title	SOC Code*
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 571-573,579,
occupations 583-
584,8241(pt.)

*Standard Occupational Classification.

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APPENDIX

OCCUPATION RECODE OUTLINE

Recodes				

No. 1	No. 2	Detail Code	Occupation Title	SOC Code*
Chrs. 87-88	Chrs. 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, 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
(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. 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
16	MILITARY	98