

1993 NHIS Childhood Immunization Public Use File

In the 1993 NHIS, information on childhood immunizations was collected from adult respondents (often the mother) for one sample child under 6 years of age per NHIS family with age-eligible children in the household. Analysts are STRONGLY encouraged to review the questionnaire used for this survey before undertaking any analysis.

Five vaccine types were asked about in the survey: DTP, Polio, Measles or MMR, Hemophilus type B or HIB, and Hepatitis B. When possible, information was abstracted directly from vaccination records maintained by the family. Respondents with vaccination records were also asked about additional shots that may have been received but were not listed on the records. Respondents who were unable to provide records were asked the number of shots of each type their child had received. Respondents who did not know the exact number of shots but stated that the child had received "all" of a particular type of vaccination had "88" coded as the number of shots.

For each vaccine type, the total number of shots received was calculated and included as a recode for each child in the file. For children 2 years and older who had complete shot record information (i.e., all their vaccination information was contained on their shot record), the total number received by 24 months was also calculated and included on the file as a recode.

Estimation of immunization coverage levels (i.e., the percentage of children who are "up-to-date" for a particular vaccine type or a series of vaccines) is complicated. The National Immunization Program at the Centers for Disease Control and Prevention is responsible for calculating the official Public Health Service coverage level estimates. Analysts who wish to make these types of estimates can contact the National Immunization Program (404-639-8235) for technical assistance.

Information collected in this survey is the same as that collected in the 1992 NHIS. Similar information was also collected in the 1991 NHIS as part of a supplement on child health. However, there are some differences in the way the information based on respondent's recall was collected in 1992-93 compared with 1991. In 1991, the ages of vaccination were collected for each antigen; in 1992-93, just the total number of shots of each type was collected. The recode for shots received before 24 months was calculated for all children 2 and older in 1991; in 1992-93, since data on ages at vaccination was not collected in the history portion, this recode could only be calculated for those children with complete shot record information.

The response rate to the 1993 Immunization Survey was 92.7 percent and was calculated as follows:

The response rate to the NHIS Core questionnaire was 95.8 percent. Of the eligible families from the CORE, 96.8 percent responded to the Immunization supplement. Multiplying these two response rates together yields the overall response rate to the Immunization Survey (92.7 percent).

Each record included in the Immunization file contains a final weight (file locations 207-212). Weights must be used to make accurate estimates based on this data file. Because the Immunizations Survey included only one child per NHIS family, the weight on this file is different from the weight for the same child on the NHIS Core Person file. Most of the weights for records on the Immunization file are between 2000 and 8000. However, due to the design of the NHIS and the weighting procedure, there may be some records on the Immunization file which have very large weights (greater than 15,000). Analyses involving fairly small sample numbers may be heavily impacted by the inclusion of these records with extremely large weights. Analysts are encouraged to look at the distribution of weights for records being analyzed to decide how to handle these weighting outliers.

Also, in the second quarter of 1993, because of budgetary problems, the NHIS was administered on alternate weeks. This resulted in a 50 percent decrease in the number of respondents in that quarter compared with other quarters. Analysts need to be aware that this decrease in sample size will increase the sampling variance for 1993. In particular, the number of respondents in the second quarter may not be large enough to generate reliable estimates for that quarter.

1

1993 NATIONAL HEALTH INTERVIEW SURVEY (NHIS)

IMMUNIZATION PUBLIC USE DATA FILE

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). Public Use File Documentation, National Health Interview Survey of Immunization, 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.

1

1

IM-1

NATIONAL HEALTH INTERVIEW SURVEY (NHIS)

1993 IMMUNIZATION PUBLIC USE LAYOUT

Outline of Items and Codes

Number of Records = 7,323

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-		RECORD TYPE
		7,323	80. Immunization
3-4	-		PROCESSING YEAR
		7,323	93. 1993
5	-		PROCESSING QUARTER
		2,154	1. Quarter 1
		1,181	2. Quarter 2
		2,047	3. Quarter 3
		1,941	4. Quarter 4
6-8	HH-5	-	RANDOM RECODE OF PSU NUMBER
9-10	HH-5		WEEK - CENSUS CODE*
		633	01. Week 01
		500	02. Week 02
		601	03. Week 03
		483	04. Week 04
		681	05. Week 05
		504	06. Week 06
		638	07. Week 07
		486	08. Week 08
		642	09. Week 09
		479	10. Week 10
		610	11. Week 11
		443	12. Week 12
		623	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.

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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	HH-5		PROCESSING WEEK CODE (Numbered within Quarter)
		633	01. Week 1
		500	02. Week 2
		601	03. Week 3
		484	04. Week 4
		685	05. Week 5
		515	06. Week 6
		633	07. Week 7
		482	08. Week 8
		636	09. Week 9
		476	10. Week 10
		610	11. Week 11
		445	12. Week 12
		623	13. Week 13
21	Recode		LATE INTERVIEW (OR LAST ATTEMPT) FLAG
		4,831	0. Interview not late
		1,915	1. One week late
		457	2. Two weeks late
		120	3. Unknown

Tape Locations	Item No.	Frequency	Items and Codes
22-23	HH-10c,d		TYPE OF LIVING QUARTERS:
			Housing Unit = (00-07)
		90	00. Housing unit; kind unknown
		6,795	01. House, apartment, flat
		10	02. HU in nontransient hotel, motel, etc.
		2	03. HU-permanent in transient hotel, motel, etc.
		1	04. HU in rooming house
		364	05. Mobile home or trailer with no permanent room added
		47	06. Mobile home or trailer with one or more permanent rooms added
		1	07. HU not specified above
			Other Unit = (08-13)
		2	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
		1	11. Student quarters in college dormitory
		7	12. Other unit not specified above
		3	13. Other unit; kind unknown
24	HH-11		HAS TELEPHONE
		6,479	1. Yes, phone number given
		216	2. Yes, no phone number given
		606	3. No
		22	4. Unknown
25	A-1		SEX
		3,806	1. Male
		3,517	2. Female
26	-	-	BLANK
1			IM-4

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape

Locations	Item No.	Frequency	Items and Codes
27-28	Person Column	1,194 6,129	AGE 00. Under 1 year old 01-05. Number of years old
29	Recode	6,106 1,217	AGE RECODE #1 1. Under 5 years old 2. 5 years old
30	Recode	7,323	AGE RECODE #2 1. Under 6 years old
31-32	Recode	3,619 3,704	AGE RECODE #3 00-35. Months 36. Over 3 years old
33	-	-	BLANK
1			IM-5

1993 NHIS IMMUNIZATION 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 02. February 03. March 04. April 05. May 06. June 07. July 08. August 09. September 10. October 11. November 12. December 99. Unknown
36-39		7,313 10	YEAR OF BIRTH 1987-1994. 1987-1994 9999. Unknown

40	Recode		HISPANIC ORIGIN IMPUTED FLAG
		7,129	0. Hispanic Origin Known
		194	1. Hispanic Origin Imputed from Reference Person

41-42	L-3		MAIN RACIAL BACKGROUND* - Reported (see notation for locations 43-45)
		5,363	01. White
		1,319	02. Black
		78	03. Indian (American)
		1	04. Eskimo
		1	05. Aleut
		50	06. Chinese
		44	07. Filipino
		4	08. Hawaiian
		19	09. Korean
		29	10. Vietnamese
		16	11. Japanese
		35	12. Asian Indian
		4	13. Samoan
		3	14. Guamanian
		38	15. Other API
		220	16. Other Race
		28	17. Multiple Race
		71	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.

1 IM-6

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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.
		5,677	1. White	
		1,320	2. Black	
		326	3. Other	
44			Recode 2	
		5,677	1. White	
		1,646	2. Non-white	
45			Recode 3	
		1,320	1. Black	
		6,003	2. Non-black	

46-47	A-4		HISPANIC ORIGIN**
		10	00. Multiple Hispanic
		130	01. Puerto Rican
		39	02. Cuban
		143	03. Mexican-Mexicano
		522	04. Mexican-American
		11	05. Chicano
		94	06. Other Latin American
		92	07. Other Spanish
		8	08. Spanish, DK type
		25	09. Unknown if Spanish origin
		6,249	10. Not Spanish origin

48	L-7		MARITAL STATUS
		7,323	0. Under 14 years old

49-50	-	-	BLANK
-------	---	---	-------

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

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

1 IM-7

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
51-52	L-2		EDUCATION OF INDIVIDUAL - COMPLETED YEARS
		1,187	00. Never attended; kindergarten only
		2	01-11. Grades 1-11
		0	12. Grade 12
			College:
		0	13. 1 year
		0	14. 2 years
		0	15. 3 years
		0	16. 4 years
		0	17. 5 years
		0	18. 6 years or more
		28	19. Unknown
		6,106	Blank. Under 5 years old

53	Recode		EDUCATION OF INDIVIDUAL RECODE
		1,187	0. None; kindergarten only
		2	1. 1-8 years (elementary)
		0	2. 9-11 years (high school)
		0	3. 12 years (high school graduate)
		0	4. 1-3 years (college)
		0	5. 4 years (college graduate)
		0	6. 5+ years (post-college)
		28	7. Unknown
		6,106	Blank. Under 5 years old

54-55	-		HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)
		6	00. Never attended; kindergarten only
		932	01-11. Grades 1-11
		2,541	12. Grade 12
			College:
		604	13. 1 year
		878	14. 2 years
		292	15. 3 years
		1,141	16. 4 years
		221	17. 5 years
		689	18. 6 years or more
		19	19. Unknown

1 IM-8
1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
56	-		HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER-Recode
		6	0. None; kindergarten only
		225	1. 1-8 years (elementary)
		707	2. 9-11 years (high school)
		2,541	3. 12 years (high school graduate)
		1,774	4. 1-3 years (college)
		1,141	5. 4 years (college graduate)
		910	6. 5+ years (post-college)
		19	7. Unknown

57	L-8		FAMILY INCOME \$20,000 OR MORE
		2,552	1. Less than \$20,000
		4,644	2. \$20,000 or more

127 3. Unknown

58-59	L-8	FAMILY INCOME	
		43	00. Less than \$1,000
		64	01. \$ 1,000 - \$ 1,999
		76	02. 2,000 - 2,999
		84	03. 3,000 - 3,999
		104	04. 4,000 - 4,999
		113	05. 5,000 - 5,999
		115	06. 6,000 - 6,999
		118	07. 7,000 - 7,999
		111	08. 8,000 - 8,999
		138	09. 9,000 - 9,999
		149	10. 10,000 - 10,999
		85	11. 11,000 - 11,999
		146	12. 12,000 - 12,999
		95	13. 13,000 - 13,999
		100	14. 14,000 - 14,999
		117	15. 15,000 - 15,999
		82	16. 16,000 - 16,999
		120	17. 17,000 - 17,999
		153	18. 18,000 - 18,999
		152	19. 19,000 - 19,999
		559	20. 20,000 - 24,999
		485	21. 25,000 - 29,999
		522	22. 30,000 - 34,999
		434	23. 35,000 - 39,999
		405	24. 40,000 - 44,999
		381	25. 45,000 - 49,999
		1,453	26. \$50,000 and over
		919	27. Unknown

1 IM-9

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
60	Recode		FAMILY INCOME RECODE
		371	0. Under \$5,000
		228	1. \$ 5,000 - \$ 6,999
		367	2. 7,000 - 9,999
		575	3. 10,000 - 14,999
		624	4. 15,000 - 19,999
		559	5. 20,000 - 24,999
		1,007	6. 25,000 - 34,999
		1,220	7. 35,000 - 49,999
		1,453	8. \$50,000 or more
		919	9. Unknown

61 Generated

NHIS POVERTY INDEX*

5,313	1. At or above poverty threshold
1,485	2. Below poverty threshold
525	3. Unknown

62-63

FAMILY RELATIONSHIP

62 A-2

Type of Family

0	&. Primary individual
0	-. Secondary individual
7,292	0. Primary family
31	1-9. Secondary family

63 A-2

Relationship to Reference Person

0	&. Reference person, living alone
0	0. Reference person, 2+ persons in household
0	1. Spouse, other spouse NOT in Armed Forces and living at home
0	2. Spouse, other spouse IN Armed Forces and living at home
6,577	3. Child of reference person or spouse
610	4. Grandchild of reference person or spouse
0	5. Parent of reference person or spouse
127	6. Other relative
9	7. Child of ineligible reference
0	9. Unknown

person

*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

IM-10

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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

64

Recode

FAMILY RELATIONSHIP RECODE

0	1. Living alone
0	2. Living only with non-relative
0	3. Living with spouse
7,323	4. Living with relative - other

65-66

Generated

-

SIZE OF FAMILY*

67

Generated

SIZE OF FAMILY RECODE

7,237 1-8. Number of members
86 9. 9+ members

68	A-2		PARENT/OTHER ADULT RELATIVE
		5,095	1. Both parents, no other relative
		1,113	2. Mother only
		42	3. Father only
		397	4. Both parents and other 21+ year old adult relative
		526	5. Mother and other 21+ year old adult relative
		32	6. Father and other 21+ year old adult relative
		42	7. No parent, but one 21+ year old adult relative
		66	8. No parent, but two or more 21+ year old adult relatives
		8	9. Unknown
		2	0. Other

*Count includes spouse in military but living at home.

1 IM-11

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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

70	G-4		HEALTH STATUS
		3,798	1. Excellent
		1,990	2. Very Good
		1,225	3. Good
		217	4. Fair
		25	5. Poor
		68	6. Unknown

71	Recode		ACTIVITY LIMITATION STATUS*- (all ages)
		55	1. Unable to perform major activity
		101	2. Limited in kind/amount major activity
		82	3. Limited in other activities
		7,085	4. Not limited (includes unknowns)

72 - - BLANK

73 B-11 LIMITATION OF SCHOOL ACTIVITIES
(5 years old)

8	1. Unable to attend school
19	2. Attends special school/classes
4	3. Needs special school/classes
10	4. Limited in school attendance
21	5. Limited in other activities
1,155	6. Not limited (includes unknowns)
6,106	Blank. Not applicable (Under 5 years old)

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

1 IM-12

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
74	B-14		NEEDS HELP WITH PERSONAL CARE (5 years old and limited)
		7	1. Unable to perform personal care needs
		0	2. Limited in performing other routine needs
		55	3. Not limited in performing personal or routine needs
		0	4. Unknown
		7,261	Blank. Not applicable (Under 5 years; 5 years old not limited)

75-79 - - BLANK

80-81 Recode INDUSTRY RECODE 1

7,323	97. Under 18 years old
-------	------------------------

82-83 Recode INDUSTRY RECODE 2

7,323	15. Under 18 years old
-------	------------------------

84-86 - - BLANK

87-88	Recode		OCCUPATION RECODE 1
		7,323	97. Under 18 years old
89-90	Recode		OCCUPATION RECODE 2
		7,323	15. Under 18 years old
91	L-R		RESPONDENT
		0	1. Self-entirely
		0	2. Self-partly
		7,323	3. Proxy
		0	4. Unknown
1			IM-13
1993 NHIS IMMUNIZATION PUBLIC USE RECORD			
Tape Locations	Item No.	Frequency	Items and Codes
92-97	-	-	BLANK
98-99	Recode		TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS
		6,404	00. None
		919	01-14. Days
100-101	D-4		BED DAYS IN PAST TWO WEEKS
		6,827	00. None
		496	01-14. Days
102-103	D-2		WORK-LOSS DAYS IN PAST TWO WEEKS (control on Currently Employed, 75: 1-3)
		7,323	00. Under 18 years old
104-105	D-3		SCHOOL-LOSS DAYS IN PAST TWO WEEKS

7,203 00. None
120 01-14. Days

106-107 D-6 OTHER DAYS OF RESTRICTED ACTIVITY IN PAST
TWO WEEKS

6,819 00. None
504 01-14. Days

108-110 G-2 BED DAYS IN PAST 12 MONTHS

3,608 000. None
3,652 001-365. 1-365 days
63 366. Unknown

1 IM-14

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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

111	Recode		BED DAYS IN PAST 12 MONTHS - Recode
		3,608	0. None
		3,051	1. 1-7 days
		549	2. 8-30 days
		51	3. 31-180 days
		1	4. 181-365 days
		63	5. Unknown

112-114 G-3 DOCTOR VISITS IN PAST 12 MONTHS

541 000. None
6,756 001-996. Visits
0 997. 997+ visits
26 998. Unknown

115 G-3 INTERVAL SINCE LAST DOCTOR VISIT

18 0. Never
6,805 1. Less than 1 year
329 2. 1 to less than 2 years
75 3. 2 to less than 5 years
0 4. 5 years or more
96 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*

*Based on operation codes and reason entered hospital.
1 IM-15

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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*
139-141	Generated	-	NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*

*Based on operation codes and reason entered hospital.

1

IM-16

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
142-143	-		BLANK
144	L-9b		YEARS LIVED IN STATE OF PRESENT RESIDENCE
		1,245	1. Less than 1 year
		4,327	2. 1 yr., less than 5 yrs.
		857	3. 5 yrs., less than 10 yrs.
		0	4. 10 yrs., less than 15 yrs.
		0	5. 15 years or more
		762	9. DK refused
		132	Blank. Not applicable (Foreign-born)
145	L-9c		YEARS LIVED IN UNITED STATES
		31	1. Less than 1 year
		91	2. 1 yr., less than 5 yrs.
		6	3. 5 yrs., less than 10 yrs.
		0	4. 10 yrs., less than 15 yrs.
		0	5. 15 years or more
		4	9. DK refused
		7,191	Blank. Not applicable (U.S. born)
146-177	-	-	BLANK
178	Master Record		TYPE OF SUBSTRATUM
		1,419	0. Permit
		788	1. Area, oversampled for blacks
		5,116	2. Area, not oversampled for blacks
179-181	Recode	-	FULL SAMPLE STRATUM IDENTIFIER
182	Master Record		REGION
		1,428	1. Northeast

1,747	2. Midwest
2,366	3. South
1,782	4. West

1

IM-17

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
183	Master Record		GEOGRAPHIC DISTRIBUTION
			MSA Size
		3,342	1. 1,000,000 or more
		1,902	2. 250,000 - 999,999
		471	3. 100,000 - 249,999
		97	4. Under 100,000
		1,511	Blank. Non-MSA
184	-	-	BLANK
185	Master Record		TYPE OF PSU
		4,165	1. MSA - Self-representing
		1,647	3. MSA - Nonself-representing
		1	4. Non-MSA - Self-representing
		1,510	6. Non-MSA - Nonself-representing
186	Recode		MSA - NON-MSA RESIDENCE
		2,558	1. MSA - Central City
		3,254	2. MSA - Not Central City
		1,438	3. Non-MSA - Nonfarm
		73	4. Non-MSA - Farm
187-189	-	-	PSEUDO PSU CODES
190-200	-	-	BLANK
201-206	Generated	-	INTERIM ANNUAL BASIC WEIGHT (Before Age-Sex-Race Poststratification)

207-212 Generated - FINAL ANNUAL BASIC WEIGHT

213-335 - - BLANK

1 IM-18

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
336	1		DTP SHOT INDICATED ON RECORD
		2,517	1. Yes
		50	2. No
		1	9. DK or refused
		4,755	Blank. NA-Shot record not available or no vaccinations received

337-384 1 - IMMUNIZATION DTP/DT SHOT TABLE FOR 1-8 SHOTS

Columns for DTP/DT Shots 1-8

MONTH	SHOT #	MONTH COLUMNS	DAY COLUMNS	YEAR COLUMNS
01. January				
02. February				
03. March	1	337-338	339-340	341-342
04. April				
05. May	2	343-344	345-346	347-348
06. June				
07. July	3	349-350	351-352	353-354
08. August				
09. September	4	355-356	357-358	359-360
10. October				
11. November	5	361-362	363-364	365-366
12. December				
99. DK or refused	6	367-368	369-370	371-372
Blank. NA-Shot record not available or vaccination not received	7	373-374	375-376	377-378
DAY	8	379-380	381-382	383-384
01-31. Day of month				
99. DK or refused				
Blank. NA-Shot record not available or vaccination not received				
YEAR				
87-93. 1987-1993				
99. DK or refused				
Blank. NA-Shot record not available or vaccination not received				

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes		
385	1	2,485 80 3 4,755	POLIO SHOT INDICATED ON RECORD 1. Yes 2. No 9. DK or refused Blank. NA-Shot record not available or no vaccinations received		
386-433	1	-	IMMUNIZATION POLIO (DROPS OR SHOTS) TABLE FOR 1-8 SHOTS/DROPS Columns for Polio Shots 1-8		
MONTH		SHOT #	MONTH	DAY	YEAR
01.	January		COLUMNS	COLUMNS	COLUMNS
02.	February				
03.	March	1	386-387	388-389	390-391
04.	April				
05.	May	2	392-393	394-395	396-397
06.	June				
07.	July	3	398-399	400-401	402-403
08.	August				
09.	September	4	404-405	406-407	408-409
10.	October				
11.	November	5	410-411	412-413	414-415
12.	December				
99.	DK or refused	6	416-417	418-419	420-421
Blank.	NA-Shot record not available or vaccination not received	7	422-423	424-425	426-427
		8	428-429	430-431	432-433
DAY					
01-31.	Day of month				
99.	DK or refused				
Blank.	NA-Shot record not available or vaccination not received				
YEAR					
87-93.	1987-1993				
99.	DK or refused				
Blank.	NA-Shot record not available or vaccination not received				

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
434	1	1,870 695 3 4,755	MEASLES/MMR SHOT INDICATED ON RECORD 1. Yes 2. No 9. DK or refused Blank. NA-Shot record not available or no vaccinations received

435-462 1 - IMMUNIZATION MEASLES/MMR SHOT TABLE FOR 1-4 SHOTS

SHOT TYPE		Columns For Measles/MMR Shots 1-4				
		SHOT #	MEASLES/ MMR COLUMNS	MONTH COLUMNS	DAY COLUMNS	YEAR COLUMN
1.	Measles					
2.	MMR					
9.	DK or refused					
Blank.	NA-Shot record not available or vaccination not received	1	435	436-437	438-439	440-441
		2	442	443-444	445-446	447-448
MONTH						
01.	January	3	449	450-451	452-453	454-455
02.	February					
03.	March	4	456	457-458	459-460	461-462
04.	April					
05.	May					
06.	June					
07.	July					
08.	August					
09.	September					
10.	October					
11.	November					
12.	December					
99.	DK or refused					
Blank.	NA-Shot record not available or vaccination not received					
DAY						
01-31.	Day of month					87-93. 1987-1993
99.	DK or refused					99. DK or refused
Blank.	NA-Shot record not available or vaccination not received					Blank. NA-Shot record not available or vaccination not received

1 IM-21

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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

463	1		HIB SHOT INDICATED ON RECORD
		2,198	1. Yes
		365	2. No
		5	9. DK or refused
		4,755	Blank. NA-Shot record not available or no vaccinations received

464-487	1	-	IMMUNIZATION HIB SHOT TABLE FOR 1-4 SHOTS
---------	---	---	---

Columns For HIB Shots 1-4

MONTH	SHOT #	MONTH COLUMNS	DAY COLUMNS	YEAR COLUMNS
01. January				
02. February				
03. March				
04. April	1	464-465	466-467	468-469
05. May				
06. June	2	470-471	472-473	474-475
07. July				
08. August	3	476-477	478-479	480-481
09. September				
10. October	4	482-483	484-485	486-487
11. November				
12. December				
99. DK or refused				
Blank. NA-Shot record not available or vaccination not received				

DAY
01-31. Day of month
99. DK or refused
Blank. NA-Shot record not available or vaccination not received

YEAR
87-93. 1987-1993
99. DK or refused
Blank. NA-Shot record not available or vaccination not received

1

IM-22

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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

488	1		HEPATITIS B SHOT INDICATED ON RECORD
-----	---	--	--------------------------------------

626	1. Yes
1,931	2. No
11	9. DK or refused
4,755	Blank. NA-Shot record not available or no vaccinations received

489-512 1 - IMMUNIZATION HEPATITIS B SHOT TABLE FOR 1-4 SHOTS

Columns For Hepatitis B Shots 1-4

MONTH		SHOT #	MONTH COLUMNS	DAY COLUMNS	YEAR COLUMNS
01.	January				
02.	February				
03.	March				
04.	April	1	489-490	491-492	493-494
05.	May				
06.	June	2	495-496	497-498	499-500
07.	July				
08.	August	3	501-502	503-504	505-506
09.	September				
10.	October	4	507-508	509-510	511-512
11.	November				
12.	December				

99. DK or refused
Blank. NA-Shot record not available or vaccination not received

DAY

01-31. Day of month
99. DK or refused
Blank. NA-Shot record not available or vaccination not received

YEAR

87-93. 1987-1993
99. DK or refused
Blank. NA-Shot record not available or vaccination not received

1

IM-23

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
513	2		ALL IMMUNIZATIONS INCLUDED ON SHOT RECORD (according to respondent)*
		2,302	1. Yes
		197	2. No

81 9. DK or refused
4,743 Blank. NA-No shot record

514	3a	95 75 108 7,045	CHILD EVER RECEIVED ADDITIONAL DTP SHOT 1. Yes 2. No 9. DK or refused Blank. NA-Shot record complete or no shot record
515	3b	62 16 17 7,228	ADDITIONAL DTP SHOTS RECEIVED 1-7. 1-7 Shots 8. All 9. DK or refused Blank. NA-No additional shots, shot record complete or no shot record
516	4a	88 77 113 7,045	CHILD EVER RECEIVED ADDITIONAL POLIO SHOT/VACCINE 1. Yes 2. No 9. DK or refused Blank. NA-Shot record complete or no shot record
517	4b	53 14 21 7,235	ADDITIONAL POLIO VACCINE RECEIVED 1-7. 1-7 Vaccines 8. All 9. DK or refused Blank. NA-No additional shots, shot record complete or no shot record
518	5a	72 92 114 7,045	CHILD EVER RECEIVED ADDITIONAL MEASLES/MMR SHOTS 1. Yes 2. No 9. DK or refused Blank. NA-Shot record complete or no shot record

*This field was not edited for consistency with other information. This may differ from location 542 if child received vaccines other than those on this survey.

1

IM-24

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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

519	5b		ADDITIONAL MEASLES/MMR SHOTS RECEIVED
		37	1-7. 1-7 Shots
		12	8. All
		23	9. DK or refused
		7,251	Blank. NA-No additional shots, shot record complete or no shot record
520	6a		CHILD EVER RECEIVED ADDITIONAL HIB SHOT
		56	1. Yes
		92	2. No
		130	9. DK or refused
		7,045	Blank. NA-Shot record complete or no shot record
521	6b		ADDITIONAL HIB SHOTS RECEIVED
		35	1-7. 1-7 Shots
		12	8. All
		9	9. DK or refused
		7,267	Blank. NA-No additional shots, shot record complete or no shot record
522	7a		CHILD EVER RECEIVED ADDITIONAL HEPATITIS B SHOT
		36	1. Yes
		118	2. No
		124	9. DK or refuse
		7,045	Blank. NA-Shot record complete or no shot record
523	7b		ADDITIONAL HEPATITIS B SHOTS RECEIVED
		23	1-7. 1-7 Shots
		4	8. All
		9	9. DK or refused
		7,287	Blank. NA-No additional shots, shot record complete or no shot record
524	8		EVER RECEIVED IMMUNIZATION (for children with no shot record)
		4,417	1. Yes
		269	2. No
		57	9. DK or refused
		2,580	Blank. NA-Shot record available

1

IM-25

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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

525	9a		EVER RECEIVED DTP SHOT
		4,334	1. Yes
		49	2. No
		34	9. DK or refused
		2,906	Blank. NA-DK/not immunized or shot record available

526-527	9b		TOTAL DTP SHOTS RECEIVED
		1,085	01-87. 1-87 shots
		2,375	88. All
		874	99. DK or refused
		2,989	Blank. DK/did not receive specific vaccination, DK/not immunized or shot record available

528	9a(2)		EVER RECEIVED POLIO SHOT/VACCINE
		4,274	1. Yes
		83	2. No
		60	9. DK or refused
		2,906	Blank. NA-DK/not immunized or shot record available

529-530	9b		TOTAL POLIO SHOTS/VACCINES RECEIVED
		997	01-87. 1-87 Shots
		2,373	88. All
		904	99. DK or refused
		3,049	Blank. NA-DK/did not receive specific vaccination, DK/not immunized or shot record available

531	9a (3)		EVER RECEIVED MEASLES/MMR SHOT
		3,758	1. Yes
		400	2. No
		259	9. DK or refused
		2,906	Blank. NA-DK/not immunized or shot record available

1 IM-26

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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

532-533	9b		TOTAL MEASLES/MMR SHOTS RECEIVED
---------	----	--	----------------------------------

733	01-87.	1-87 Shots
2,187	88.	All
838	99.	DK or refused
3,565	Blank.	DK/did not receive specific vaccination, DK/not immunized or shot record available

534	9a (4)		EVER RECEIVED HIB SHOT
		2,918	1. Yes
		580	2. No
		919	9. DK or refused
		2,906	Blank. NA-DK/not immunized or shot record available

535-536	9b		TOTAL HIB SHOTS RECEIVED
		673	01-87. 1-87 Shots
		1,673	88. All
		572	99. DK or refused
		4,405	Blank. NA-DK/did not receive specific vaccination, DK/not immunized or shot record available

537	9a (5)		EVER RECEIVED HEPATITIS B SHOT
		1,632	1. Yes
		1,316	2. No
		1,469	9. DK or refused
		2,906	Blank. NA-DK/not immunized or shot record available

538-539	9b		TOTAL HEPATITIS B SHOTS RECEIVED
		494	01-87. 1-87 Shots
		848	88. All
		290	99. DK or refused
		5,691	Blank. NA-DK/did not receive specific vaccination, DK/not immunized or shot record available

1

IM-27

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
540	10	5,937	PERSON WHO TOOK CHILD FOR SHOTS 1. Yes

1,019	2. No
30	9. DK or refused
337	Blank. NA-DK/not immunized

541	11		HAS CHILD RECEIVED ALL RECOMMENDED SHOTS
		6,504	1. Yes
		380	2. No
		102	9. DK or refused
		337	Blank. NA-DK/not immunized

542	-		SOURCE OF VACCINE INFORMATION (recode)
		275	0. None of 4 vaccine types reported
		2,408	1. Shot record only
		159	2. Shot record and history
		4,419	3. History only
		62	9. DK/refused if received any of 4 vaccine types

543	-		SOURCE OF DTP/DT INFORMATION (recode)
		365	0. Vaccine not reported
		2,427	1. Shot record only
		90	2. Shot record and history
		1,089	3. History only (number of shots known)
		3,250	7. History only (number of shots unknown)
		102	9. DK/refused if received vaccine

544	-		SOURCE OF POLIO INFORMATION (recode)
		420	0. Vaccine not reported
		2,405	1. Shot record only
		80	2. Shot record and history
		1,001	3. History only (number of vaccines known)
		3,281	7. History only (number of vaccines unknown)
		136	9. DK/refused if received vaccine

1

IM-28

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
545	-		SOURCE OF MEASLES/MMR INFORMATION (recode)
		1,298	0. Vaccine not reported
		1,830	1. Shot record only
		40	2. Shot record and history

752	3.	History only (number of shots known)
3,038	7.	History only (number of shots unknown)
365	9.	DK/refused if received vaccine

546	-		SOURCE OF HIB INFORMATION (recode)
		1,169	0. Vaccine not reported
		2,162	1. Shot record only
		36	2. Shot record and history
		687	3. History only (number of shots known)
		2,251	7. History only (number of shots unknown)
		1,018	9. DK/refused if received vaccine

547	-		SOURCE OF HEPATITIS B INFORMATION (recode)
		3,418	0. Vaccine not reported
		619	1. Shot record only
		7	2. Shot record and history
		511	3. History only (number of shots known)
		1,150	7. History only (number of shots unknown)
		1,618	9. DK/refused if received vaccine

548-603	-	-	AGE (IN MONTHS) AT VACCINATION*
			(From shot record) (recode)
			00. Less than 1 month
			01-72. 1-72 months
			99. Vaccine received, age unknown
			Blank. NA-No shot record information or vaccine not/DK if received

Age in Months Recode Locations

Shot #	DTP	Polio	MMR	HIB	HEP
1	548-549	564-565	580-581	588-589	596-597
2	550-551	566-567	582-583	590-591	598-599
3	552-553	568-569	584-585	592-593	600-601
4	554-555	570-571	586-587	594-595	602-603
5	556-557	572-573			
6	558-559	574-575			
7	560-561	576-577			
8	562-563	578-579			

*Note: Recoding ages up to 8 DTP's, 8 Polio's, 4 MMR's, 4 HIB's and 4 HEP's. Respondent may have indicated more were received.

1 IM-29

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

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

604-605	-		TOTAL NUMBER OF DTP SHOTS RECEIVED (recode)
		467	00. No DTP shots received (includes those unknown if received DTP)
		3,574	01-87. Number of shots
		2,391	88. Number reported as all
		891	99. DK/refused number of shots
<hr/>			
606-607	-		TOTAL NUMBER OF POLIO VACCINATIONS RECEIVED (recode)
		556	00. No Polio vaccinations received (includes those unknown if received Polio)
		3,455	01-87. Number of vaccinations
		2,387	88. Number reported as all
		925	99. DK/refused how many vaccinations
<hr/>			
608-609	-		TOTAL NUMBER OF MEASLES/MMR SHOTS RECEIVED (recode)
		1,663	00. No MMR shots received (includes those unknown if received MMR)
		2,600	01-87. Number of shots
		2,199	88. Number reported as all
		861	99. DK/refused how many shots
<hr/>			
610-611	-		TOTAL NUMBER OF HIB SHOTS RECEIVED (recode)
		2,187	00. No HIB shots received (includes those unknown if received HIB)
		2,870	01-87. Number of shots
		1,685	88. Number reported as all
		581	99. DK/refused how many shots
<hr/>			
612-613	-		TOTAL NUMBER OF HEP SHOTS RECEIVED (recode)
		5,036	00. No Hepatitis B shots received (includes those unknown if received Hepatitis B)
		1,136	01-87. Number of shots
		852	88. Number reported as all
		299	99. DK/refused how many shots

Tape Locations	Item No.	Frequency	Items and Codes
614	-		TOTAL NUMBER OF DTP SHOTS RECEIVED BEFORE 24 MONTHS FOR CHILDREN 24 MONTHS OF AGE AND OLDER WITH SHOT RECORD COMPLETE (recode)*
		33	0. No/unknown if DTP received before 24 months
		1,499	1-8. Number of shots
		5,791	Blank. NA-Child less than 2 years old, no shot record or shot record incomplete
			(Note: Includes only shots received at a known valid age.)
615	-		TOTAL NUMBER OF POLIO VACCINATIONS RECEIVED BEFORE 24 MONTHS FOR CHILDREN 24 MONTHS OF AGE OR OLDER WITH SHOT RECORD COMPLETE (recode)*
		52	0. No/unknown if polio received before 24 months
		1,480	1-8. Number of vaccinations
		5,791	Blank. NA-Child less than 2 years old, no shot record or shot record incomplete
			(Note: Includes only vaccinations received at a known valid age.)
616	-		TOTAL NUMBER OF MEASLES/MMR SHOTS RECEIVED BEFORE 24 MONTHS FOR CHILDREN 24 MONTHS OF AGE OR OLDER WITH SHOT RECORD COMPLETE (recode)*
		210	0. No/unknown if MMR received before 24 months
		1,322	1-4. Number of shots
		5,791	Blank. Child less than 2 years old, no shot record or shot record incomplete
			(Note: Includes only shots received at a known valid age.)

*Note: Locations 614-618 apply only to children 24 months and older who have all their information on a shot record (location 542=1).

1

IM-31

1993 NHIS IMMUNIZATION PUBLIC USE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
617	-		TOTAL NUMBER OF HIB SHOTS RECEIVED BEFORE 24 MONTHS FOR CHILDREN 24 MONTHS OF AGE OR OLDER WITH SHOT

		RECORD COMPLETE (recode)*
488	0.	No/unknown if HIB received before 24 months
1,044	1-4.	Number of shots
5,791	Blank.	NA-Child less than 2 years old, no shot record or shot record incomplete

(Note: Includes only shots received at a known valid age.)

618	-	TOTAL NUMBER OF HEP SHOTS RECEIVED BEFORE 24 MONTHS FOR CHILDREN 24 MONTHS OF AGE OR OLDER WITH SHOT RECORD COMPLETE (recode)*
	0.	No/unknown if HIB received before 24 months
1,409	1-4.	Number of shots
123	Blank.	NA-Child less than 2 years old, no shot record or shot record incomplete
5,791		

(Note: Includes only shots received at a known valid age.)

619-620	M2/IZ1	PERSON NUMBER OF RESPONDENT
	7,230	01-28. Respondent's person number
	0	98. Active duty military
	2	99. Non-household member
	91	Blank. Unknown

*Note: Locations 614-618 apply only to children 24 months and older who have all their information on a shot record (location 542=1).