

1996 National Health Interview Survey (NHIS)
Childhood Immunization File

In the 1996 NHIS, information on childhood immunizations was collected from adult respondents (often the mother) for a sample child under 6 years of age in the NHIS household sample with age-eligible children. Information was also collected for all additional 19-35 month old children. Analysts are STRONGLY encouraged to review the questionnaire used for this survey before undertaking any analyses.

Five vaccine types were asked about in the survey: DTP, Polio, Measles or MMR, Haemophilus influenzae type b (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's Statistical Analysis Branch (404-639-8235) for technical assistance.

Information collected in this survey is the same as that collected in the 1992-95 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 1992-96 compared with 1991. In 1991, the ages of vaccination were collected for each antigen; in 1992-96, 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 1992-96, 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 1996 Immunization Survey was 88.3 percent and was calculated as follows:

The response rate to the NHIS Core questionnaire was 93.8 percent. Of the eligible families from the CORE, 94.1 percent responded to the Immunization supplement. Multiplying these two response rates together yields the overall response rate to the Immunization Survey (88.3 percent).

Each respondent record in the Immunization file contains a final weight (file locations 207-212). Weights must be used to make estimates based on this data file that take into account the sample design. For several reasons the sampling weight on this file differs from the corresponding weight for the same child on the NHIS Core Person file. The Immunization file is based on a sample of children under 6 identified in the NHIS sample. In addition, there was a nonresponse to the request for immunization information. Therefore, respondent data on the Immunization file was reweighted, including a post-stratification adjustment to independent estimates of the population by race/ethnicity, sex, and individual year of age.

It is important to note that these weights must be used with all records (sample children and additional children) since the weights take into account the additional sampling of 19-35 month old children. Most of the sampling weights for records on the Immunization file are between 1000 and 6000. 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 (e.g., 29,000). Analyses based on small raw sample sizes may be heavily influenced by the inclusion of these records with larger weights. Analysts are encouraged to look at the distribution of weights for records being analyzed to decide how to handle these weighting outliers.

The following indicates the number of sample children as well as additional children in the household:

1996 NHIS Immunization File	
Sample Children:	4,136
Other Children:	328
Total Children:	4,464
19-35 months (total)	1,296

1996 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 (1996)

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

National Center for Health Statistics (1998). Public Use File Documentation, National Health Interview Survey of Immunization, 1996 (machine readable data file and documentation), National Center for Health Statistics, Hyattsville, Maryland

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

1996
 NATIONAL HEALTH INTERVIEW SURVEY (NHIS)
 IMMUNIZATION SUPPLEMENT
 PUBLIC USE FILE

Outline of Items and Codes

File Location	Item No.	Frequency	Item and Codes
1-2	-		RECORD TYPE
		4,464	80. Immunization
3-4	HH-2		PROCESSING YEAR
		4,464	96. 1996
5-14	Generated	-	HOUSEHOLD ID
15-16	-	-	PERSON NUMBER
17-18	-	-	BLANK (Record Serial Number on some other record types)
19-20	-		SAMPLING WEEK CODE (Number within Quarter - loc. 178)
		254	01. Week 1
		249	02. Week 2
		406	03. Week 3
		362	04. Week 4
		375	05. Week 5
		337	06. Week 6
		360	07. Week 7
		378	08. Week 8
		389	09. Week 9
		351	10. Week 10
		322	11. Week 11
		355	12. Week 12
		326	13. Week 13
21	Recode		LATE INTERVIEW (OR LAST ATTEMPT) FLAG
		2,620	0. Interview not late
		1,305	1. One week late
		449	2. Two weeks late
		90	3. Unknown

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
22-23	HH-11c,d		TYPE OF LIVING QUARTERS:
			Housing Unit = (00-07)
		80	00. Housing unit; kind unknown
		4,061	01. House, apartment, flat
		1	02. HU in nontransient hotel, motel, etc.
		0	03. HU-permanent in transient hotel, motel, etc.
		0	04. HU in rooming house
		276	05. Mobile home or trailer with no permanent room added
		43	06. Mobile home or trailer with one or more permanent rooms added
		1	07. HU not specified above
			Other Unit = (08-13)
		0	08. Quarters not HU in rooming or boarding house
		0	09. Unit not permanent in transient hotel, motel, etc.
		1	10. Unoccupied site for mobile home, trailer, or tent
		0	11. Student quarters in college dormitory
		1	12. Other unit not specified above
		0	13. Other unit; kind unknown
24	HH-12		HAS TELEPHONE
		3,920	1. Yes, phone number given
		128	2. Yes, no phone number given
		367	3. No
		49	4. Unknown
25	A-1		SEX
		2,229	1. Male
		2,235	2. Female
26	-		AGE IMPUTED FLAG
		4,464	0. Age known

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
27-28	Person Column	651 3,813	AGE 00. Under 1 year old 01-05. Number of years old
29	Recode	3,714 750	AGE RECODE #1 1. Under 5 years old 2. 5 years old
30	Recode	4,464	AGE RECODE #2 1. Under 6 years old
31-32	Recode	2,313 2,151	AGE RECODE #3 00-35. Number of months old 36. At or over 3 years old
33	-	4,350 109 5	MONTH OF BIRTH IMPUTED FLAG 0. Month known 1. Month unknown, '8' imputed 9. Date of birth unknown
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		4,459 5	Year of Birth 1990-1997. 1990-1997 9999. Unknown

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
40	Recode		HISPANIC ORIGIN IMPUTED FLAG
		4,365	0. Hispanic origin known
		99	1. Hispanic origin imputed from reference person
41-42	A-6		MAIN RACIAL BACKGROUND*- Reported (see notation for locations 43-45)
		3,069	01. White
		719	02. Black/African American**
		28	03. Indian (American)
		21	06. Chinese
		21	07. Filipino
		53	15. Other API (includes Hawaiian, Korean, Vietnamese, Japanese, Asian Indian, Samoan, and Guamanian)
		408	16. Other race (includes Eskimo and Aleut)
		25	17. Multiple race
		120	99. Unknown

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

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

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes	
43-45	Recode		RACE RECODES	
43		3,610	Recode 1*	Persons whose Main Racial Background (location 41-42) was "other" or "unknown" were classified in the following recodes using the racial background observed by the interviewer. Use of these recodes is recommended for estimating statistics for the groups shown here.
		721	1. White	
		133	2. Black	
44		3,610	Recode 2	
		854	1. White	
			2. Non-white	
45		721	Recode 3	
		3,743	1. Black	
			2. Non-black	
46-47	A-5		HISPANIC ORIGIN**	
		1	00. Multiple Hispanic	
		166	01. Puerto Rican	
		25	02. Cuban	
		250	03. Mexican-Mexicano	
		640	04. Mexican-American	
		10	05. Chicano	
		113	06. Other Latin American	
		112	07. Other Spanish	
		34	08. Spanish, DK type	
		0	09. Unknown if Spanish origin	
		3,113	10. Not Spanish origin	
48	L-7		MARITAL STATUS	
		4,464	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.

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
51-52	L-2		EDUCATION OF INDIVIDUAL - COMPLETED YEARS
		721	00. Never attended; kindergarten only
		4	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
		25	19. Unknown
		3,714	Blank. Under 5 years old
53	Recode		EDUCATION OF INDIVIDUAL
		721	0. None; kindergarten only
		4	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)
		25	7. Unknown
		3,714	Blank. Under 5 years old
54-55	-		HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)
		10	00. Never attended; kindergarten only
		723	01-11. Grades 1-11
		1,493	12. Grade 12
			College:
		353	13. 1 year
		528	14. 2 years
		186	15. 3 years
		661	16. 4 years
		126	17. 5 years
		371	18. 6 years or more
		13	19. Unknown

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
56	Recode		HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER
		10	0. None; kindergarten only
		255	1. 1-8 years (elementary)
		468	2. 9-11 years (high school)
		1,493	3. 12 years (high school graduate)
		1,067	4. 1-3 years (college)
		661	5. 4 years (college graduate)
		497	6. 5+ years (post-college)
		13	7. Unknown
57	L-8		FAMILY INCOME (\$20,000 OR LESS)
		1,607	1. Less than \$20,000
		2,760	2. \$20,000 or more
		97	3. Unknown
58-59	L-8		FAMILY INCOME
		19	00. Less than \$1,000
		41	01. \$ 1,000 - \$ 1,999
		48	02. 2,000 - 2,999
		47	03. 3,000 - 3,999
		43	04. 4,000 - 4,999
		63	05. 5,000 - 5,999
		54	06. 6,000 - 6,999
		52	07. 7,000 - 7,999
		62	08. 8,000 - 8,999
		94	09. 9,000 - 9,999
		99	10. 10,000 - 10,999
		58	11. 11,000 - 11,999
		131	12. 12,000 - 12,999
		78	13. 13,000 - 13,999
		69	14. 14,000 - 14,999
		65	15. 15,000 - 15,999
		61	16. 16,000 - 16,999
		67	17. 17,000 - 17,999
		86	18. 18,000 - 18,999
		87	19. 19,000 - 19,999
		341	20. 20,000 - 24,999
		302	21. 25,000 - 29,999
		299	22. 30,000 - 34,999
		217	23. 35,000 - 39,999
		217	24. 40,000 - 44,999
		179	25. 45,000 - 49,999
		981	26. \$50,000 and over
		604	27. Unknown

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
60	Recode		FAMILY INCOME
		198	0. Under \$5,000
		117	1. \$ 5,000 - \$ 6,999
		208	2. 7,000 - 9,999
		435	3. 10,000 - 14,999
		366	4. 15,000 - 19,999
		341	5. 20,000 - 24,999
		601	6. 25,000 - 34,999
		613	7. 35,000 - 49,999
		981	8. \$50,000 or more
		604	9. Unknown
61	Generated		NHIS POVERTY INDEX*
		3,068	1. At or above poverty threshold
		1,009	2. Below poverty threshold
		387	3. Unknown
62-63			FAMILY RELATIONSHIP
62	A-2		Type of Family
		0	&. Primary individual
		0	-. Secondary individual
		4,448	0. Primary family
		16	1-9. Secondary family

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

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
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
		3,948	3. Child of reference person or spouse
		409	4. Grandchild of reference person or spouse
		0	5. Parent of reference person or spouse
		103	6. Other relative
		4	7. Child of ineligible reference person
		0	9. Unknown
64	Recode		FAMILY RELATIONSHIP
		0	1. Living alone
		0	2. Living only with non-relative
		0	3. Living with spouse
		4,464	4. Living with relative - other
65-66	Generated	-	SIZE OF FAMILY* Unrelated individuals are coded 01
67	Recode		SIZE OF FAMILY
		4,394	1-8. Number of members
		70	9. 9+ members

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
68	A-2		PARENT/OTHER ADULT RELATIVE
		3,038	1. Both parents, no other relative
		653	2. Mother only
		23	3. Father only
		279	4. Both parents and other 21+ year old adult relative
		369	5. Mother and other 21+ year old adult relative
		25	6. Father and other 21+ year old adult relative
		18	7. No parent, but one 21+ year old adult relative
		55	8. No parent, but two or more 21+ year old adult relatives
		4	9. Unknown
		0	0. Other
69	-	-	BLANK
70	G-4		HEALTH STATUS
		2,247	1. Excellent
		1,208	2. Very Good
		790	3. Good
		118	4. Fair
		16	5. Poor
		85	6. Unknown
71	Recode		ACTIVITY LIMITATION STATUS* (all ages)
		23	1. Unable to perform major activity
		88	2. Limited in kind/amount major activity
		40	3. Limited in other activities
		4,313	4. Not limited (includes unknowns)
72	-	-	BLANK

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

IM-11

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
73	B-11		LIMITATION OF SCHOOL ACTIVITIES (5 years old)
		5	1. Unable to attend school
		14	2. Attends special school/classes
		4	3. Needs special school/classes
		10	4. Limited in school attendance
		9	5. Limited in other activities
		708	6. Not limited (includes unknowns)
		3,714	Blank. Not applicable (Under 5 years old)
74	B-14		NEEDS HELP WITH PERSONAL CARE (5 years old and limited)
		3	1. Unable to perform personal care needs
		0	2. Limited in performing other routine needs
		39	3. Not limited in performing personal or routine needs
		0	4. Unknown
		4,422	Blank. Not applicable (Under 5 years old or not limited)
75-79	-	-	BLANK
80-81	Recode		INDUSTRY RECODE 1
		4,464	97. Under 18 years old
82-83	Recode		INDUSTRY RECODE 2
		4,464	15. Under 18 years old
84-86	-	-	BLANK
87-88	Recode		OCCUPATION RECODE 1
		4,464	97. Under 18 years old

IM-12

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
89-90	Recode		OCCUPATION RECODE 2
		4,464	15. Under 18 years old
91	L-R		RESPONDENT FOR CORE
		0	1. Self-entirely
		0	2. Self-partly
		4,464	3. Proxy
		0	4. Unknown
92-97	-	-	BLANK
98-99	Recode		TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS
		4,037	00. None
		427	01-14. Days
100-101	D-4		BED DAYS IN PAST TWO WEEKS
		4,232	00. None
		232	01-14. Days
102-103	D-2		WORK-LOSS DAYS IN PAST TWO WEEKS
		4,464	00. Under 18 years old
104-105	D-3		SCHOOL-LOSS DAYS IN PAST TWO WEEKS
		4,413	00. None
		51	01-14. Days

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
106-107	D-6		OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS
		4,236	00. None
		228	01-14. Days
108-110	G-2		BED DAYS IN PAST 12 MONTHS
		2,424	000. None
		1,945	001-365. 1-365 days
		95	366. Unknown
111	Recode		BED DAYS IN PAST 12 MONTHS
		2,424	0. None
		1,661	1. 1-7 days
		260	2. 8-30 days
		24	3. 31-180 days
		0	4. 181-365 days
		95	5. Unknown
112-114	G-3		DOCTOR VISITS IN PAST 12 MONTHS
		398	000. None
		4,018	001-996. Visits
		0	997. 997+ visits
		48	998. Unknown
115	G-3		INTERVAL SINCE LAST DOCTOR VISIT
		8	0. Never
		4,087	1. Less than 1 year
		212	2. 1 to less than 2 years
		45	3. 2 to less than 5 years
		1	4. 5 years or more
		111	5. Unknown

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
116-117	Generated	-	NUMBER OF CONDITIONS
118-119	Generated	-	NUMBER OF ACUTE INCIDENCE CONDITIONS
120-121	Generated	-	NUMBER OF TWO-WEEK DOCTOR VISITS
122-123	Generated	-	NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
124-126	Generated	-	SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
127-128	Generated	-	NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS EXCLUDING DELIVERY*
129-131	Generated	-	SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS EXCLUDING DELIVERY*
132-133	Generated	-	NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS
134-136	Generated	-	NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS
137-138	Generated	-	NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*
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

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
142-143	-	-	BLANK
144	L-9b		YEARS LIVED IN STATE OF PRESENT RESIDENCE
		712	1. Less than 1 year
		2,768	2. 1 yr., less than 5 yrs.
		562	3. 5 yrs., less than 10 yrs.
		0	4. 10 yrs., less than 15 yrs.
		0	5. 15 years or more
		316	9. DK refused
		106	Blank. Not applicable (Foreign-born)
145	L-9c		YEARS LIVED IN UNITED STATES
		19	1. Less than 1 year
		75	2. 1 yr., less than 5 yrs.
		8	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
		4,358	Blank. Not applicable (U.S. born)

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
146	-	-	BLANK
147-150	Recode	-	STRATUM FOR VARIANCE ESTIMATION
151	Recode	-	PSU FOR VARIANCE ESTIMATION
152-153	Recode	-	SUBSTRATUM FOR VARIANCE ESTIMATION
154-160	Generated	-	SECONDARY SAMPLING UNIT
161	Unit Control File	2,965 1,499	TYPE OF PSU 1. Self representing 2. Non self representing
162	Unit Control File	1,837 1,759 868	PANEL 4 (Code used to identify nationally representative subsamples) 1. Panel 1 3. Panel 3 4. Panel 4
163	-	-	NSR STATUS VARIABLE
164-167	-	-	COLLAPSED VARIANCE STRATUM
168	-	-	VARIANCE PSU
169-177	-	-	BLANK

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
178			SAMPLING QUARTER
		1,220	1. Quarter 1
		1,376	2. Quarter 2
		925	3. Quarter 3
		943	4. Quarter 4
179-181	-	-	BLANK
182	Unit Control File		REGION
		859	1. Northeast
		865	2. Midwest
		1,550	3. South
		1,190	4. West
183	Unit Control File		GEOGRAPHIC DISTRIBUTION
			MSA Size
		603	1. 5,000,000 or more
		557	2. 2,500,000 - 4,999,999
		1,030	3. 1,000,000 - 2,499,999
		503	4. 500,000 - 999,999
		558	5. 250,000 - 499,999
		351	6. 100,000 - 249,999
		47	7. Under 100,000
		815	Blank. Non-MSA
184-185	-	-	BLANK
186	Unit Control File		MSA - NON-MSA RESIDENCE
		1,565	1. In MSA; in Central City
		2,084	2. In MSA; not in Central City
		815	3. Not in MSA
187-200	-	-	BLANK

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
201-206	Generated	-	INTERIM ANNUAL BASIC WEIGHT (Before Age-Sex-Race/Ethnicity Poststratification)
207-212	Generated	-	FINAL ANNUAL BASIC WEIGHT
213-334	-	-	BLANK

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
335	-		SAMPLE CHILD AND OTHER CHILD 19-35 MONTHS
		4,136	1. Sample Child
		328	2. Other Child 19-35 Months
336	Recode		DTP SHOT INDICATED ON RECORD
		2,032	1. Yes
		42	2. No
		1	9. DK or refused
		2,389	Blank. NA - Shot record not available or no vaccinations received
337-384	2/14(1)	-	IMMUNIZATION DTP/DT SHOT TABLE FOR 1-8 SHOTS
			Columns for DTP/DT Shots 1-8
MONTH			SHOT # MONTH DAY YEAR
01. January			COLUMNS COLUMNS COLUMNS
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			
90-96. 1990-1996			
99. DK or refused			
Blank. NA - Shot record not available or vaccination not received			

1996 NHIS IMMUNIZATION PUBLIC USE FILE

Tape Location	Item No.	Frequency	Item and Codes
385	Recode		POLIO SHOT INDICATED ON RECORD
		2,000	1. Yes
		72	2. No
		3	9. DK or refused
		2,389	Blank. NA - Shot record not available or no vaccinations received
386-433	2/14(2)	-	IMMUNIZATION POLIO (DROPS OR SHOTS) TABLE FOR 1-8 SHOTS/DROPS
			Columns for Polio Shots 1-8
MONTH		SHOT #	MONTH DAY YEAR COLUMNS COLUMNS COLUMNS
01. January		1	386-387 388-389 390-391
02. February		2	392-393 394-395 396-397
03. March		3	398-399 400-401 402-403
04. April		4	404-405 406-407 408-409
05. May		5	410-411 412-413 414-415
06. June		6	416-417 418-419 420-421
07. July		7	422-423 424-425 426-427
08. August		8	428-429 430-431 432-433
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			
99. DK or refused			
Blank. NA - Shot record not available or vaccination not received			
YEAR			
90-96. 1990-1996			
99. DK or refused			
Blank. NA - Shot record not available or vaccination not received			

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes				
434	Recode		MEASLES/MMR SHOT INDICATED ON RECORD				
		1,594	1.	Yes			
		464	2.	No			
		17	9.	DK or refused			
		2,389	Blank.	NA - Shot record not available or no vaccinations received			
435-462	2/14(3)	-	IMMUNIZATION MEASLES/MMR SHOT TABLE FOR 1-4 SHOTS				
SHOT TYPE		Columns For Measles/MMR Shots 1-4					
1.	Measles		SHOT #	MEASLES/ MMR COLUMNS	MONTH COLUMNS	DAY COLUMNS	YEAR COLUMNS
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
			3	449	450-451	452-453	454-455
MONTH			4	456	457-458	459-460	461-462
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.	DK or refused						
Blank.	NA - Shot record not available or vaccination not received						
DAY			YEAR				
01-31.	Day of month		90-96.	1990-1996			
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			

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
463	Recode		HIB SHOT INDICATED ON RECORD
		1,817	1. Yes
		241	2. No
		17	9. DK or refused
		2,389	Blank. NA - Shot record not available or no vaccinations received
464-487	2/14(4)	-	IMMUNIZATION HIB SHOT TABLE FOR 1-4 SHOTS
			Columns For HIB Shots 1-4
MONTH		SHOT #	MONTH DAY YEAR
01. January			COLUMNNS COLUMNNS COLUMNNS
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			
90-96. 1990-1996			
99. DK or refused			
Blank.			NA - Shot record not available or vaccination not received

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
488	Recode		HEPATITIS B SHOT INDICATED ON RECORD
		1,475	1. Yes
		560	2. No
		40	9. DK or refused
		2,389	Blank. NA - Shot record not available or no vaccinations received
489-512	2/14(5)	-	IMMUNIZATION HEPATITIS B SHOT TABLE FOR 1-4 SHOTS
			Columns For Hepatitis B Shots 1-4
MONTH		SHOT #	MONTH DAY YEAR COLUMNS COLUMNS 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			
90-96. 1990-1996			
99. DK or refused			
Blank.			NA - Shot record not available or vaccination not received

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
513	3/15		ALL IMMUNIZATIONS INCLUDED ON SHOT RECORD (according to respondent)*
		1,905	1. Yes
		135	2. No
		55	9. DK or refused
		2,369	Blank. NA - No shot record
514	4/16a		CHILD EVER RECEIVED ADDITIONAL DTP SHOT
		62	1. Yes
		58	2. No
		70	9. DK or refused
		4,274	Blank. NA - Shot record complete or no shot record
515	4/16b		ADDITIONAL DTP SHOTS RECEIVED
		36	1-7. 1-7 Shots
		9	8. All
		17	9. DK or refused
		4,402	Blank. NA - No additional shots, shot record complete or no shot record
516	5/17a		CHILD EVER RECEIVED ADDITIONAL POLIO SHOT/VACCINE
		55	1. Yes
		60	2. No
		75	9. DK or refused
		4,274	Blank. NA - Shot record complete or no shot record
517	5/17b		ADDITIONAL POLIO VACCINE RECEIVED
		28	1-7. 1-7 Vaccines
		9	8. All
		18	9. DK or refused
		4,409	Blank. NA - No additional shots, 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.

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
518	6/18a		CHILD EVER RECEIVED ADDITIONAL MEASLES/MMR SHOTS
		50	1. Yes
		68	2. No
		72	9. DK or refused
		4,274	Blank. NA - Shot record complete or no shot record
519	6/18b		ADDITIONAL MEASLES/MMR SHOTS RECEIVED
		28	1-7. 1-7 Shots
		10	8. All
		12	9. DK or refused
		4,414	Blank. NA - No additional shots, shot record complete or no shot record
520	7/19a		CHILD EVER RECEIVED ADDITIONAL HIB SHOT
		39	1. Yes
		67	2. No
		84	9. DK or refused
		4,274	Blank. NA - Shot record complete or no shot record
521	7/19b		ADDITIONAL HIB SHOTS RECEIVED
		19	1-7. 1-7 Shots
		6	8. All
		14	9. DK or refused
		4,425	Blank. NA - No additional shots, shot record complete or no shot record
522	8/20a		CHILD EVER RECEIVED ADDITIONAL HEPATITIS B SHOT
		45	1. Yes
		73	2. No
		72	9. DK or refuse
		4,274	Blank. NA - Shot record complete or no shot record
523	8/20b		ADDITIONAL HEPATITIS B SHOTS RECEIVED
		30	1-7. 1-7 Shots
		4	8. All
		11	9. DK or refused
		4,419	Blank. NA - No additional shots, shot record complete or no shot record

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
524	9/21		EVER RECEIVED IMMUNIZATION (for children with no shot record)
		2,193	1. Yes
		138	2. No
		38	9. DK or refused
		2,095	Blank. NA - Shot record available
525	10/22a(1)		EVER RECEIVED DTP SHOT
		2,127	1. Yes
		26	2. No
		40	9. DK or refused
		2,271	Blank. NA - DK/not immunized or shot record available
526-527	10/22b(1)		TOTAL DTP SHOTS RECEIVED
		434	01-87. 1-87 shots
		1,280	88. All
		413	99. DK or refused
		2,337	Blank. NA - DK/did not receive specific vaccination, DK/not immunized or shot record available
528	10/22a(2)		EVER RECEIVED POLIO SHOT/VACCINE
		2,121	1. Yes
		29	2. No
		43	9. DK or refused
		2,271	Blank. NA - DK/not immunized or shot record available
529-530	10/22b(2)		TOTAL POLIO SHOTS/VACCINES RECEIVED
		418	01-87. 1-87 Shots
		1,287	88. All
		416	99. DK or refused
		2,343	Blank. NA - DK/did not receive specific vaccination, DK/not immunized or shot record available

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
531	10/22a(3)		EVER RECEIVED MEASLES/MMR SHOT
		1,901	1. Yes
		150	2. No
		142	9. DK or refused
		2,271	Blank. NA - DK/not immunized or shot record available
532-533	10/22b(3)		TOTAL MEASLES/MMR SHOTS RECEIVED
		321	01-87. 1-87 Shots
		1,199	88. All
		381	99. DK or refused
		2,563	Blank. NA - DK/did not receive specific vaccination, DK/not immunized or shot record available
534	10/22a(4)		EVER RECEIVED HIB SHOT
		1,713	1. Yes
		143	2. No
		337	9. DK or refused
		2,271	Blank. NA - DK/not immunized or shot record available
535-536	10/22b(4)		TOTAL HIB SHOTS RECEIVED
		297	01-87. 1-87 Shots
		1,066	88. All
		350	99. DK or refused
		2,751	Blank. NA - DK/did not receive specific vaccination, DK/not immunized or shot record available
537	10/22a(5)		EVER RECEIVED HEPATITIS B SHOT
		1,573	1. Yes
		183	2. No
		437	9. DK or refused
		2,271	Blank. NA - DK/not immunized or shot record available

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
538-539	10/22b(5)		TOTAL HEPATITIS B SHOTS RECEIVED
		327	01-87. 1-87 Shots
		947	88. All
		299	99. DK or refused
		2,891	Blank. NA - DK/did not receive specific vaccination, DK/not immunized or shot record available
540	11/23		PERSON WHO TOOK CHILD FOR SHOTS
		3,679	1. Yes
		576	2. No
		18	9. DK or refused
		191	Blank. NA - DK/not immunized
541	12/24		HAS CHILD RECEIVED ALL RECOMMENDED SHOTS
		4,056	1. Yes
		151	2. No
		66	9. DK or refused
		191	Blank. NA - DK/not immunized
542	Recode		SOURCE OF VACCINE INFORMATION
		149	0. None of 4 vaccine types reported
		1,976	1. Shot record only
		99	2. Shot record and history
		2,198	3. History only
		42	9. DK/refused if received any of 4 vaccine types
543	Recode		SOURCE OF DTP/DT INFORMATION
		216	0. Vaccine not reported
		1,973	1. Shot record only
		59	2. Shot record and history
		437	3. History only (no. of shots known)
		1,693	7. History only (no. of shots unknown)
		86	9. DK/refused if received vaccine

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
544	Recode		SOURCE OF POLIO INFORMATION
		245	0. Vaccine not reported
		1,949	1. Shot record only
		51	2. Shot record and history
		419	3. History only (no. of vaccines known)
		1,706	7. History only (no. of vaccines unknown)
		94	9. DK/refused if received vaccine
545	Recode		SOURCE OF MEASLES/MMR INFORMATION
		725	0. Vaccine not reported
		1,577	1. Shot record only
		17	2. Shot record and history
		339	3. History only (no. of shots known)
		1,595	7. History only (no. of shots unknown)
		211	9. DK/refused if received vaccine
546	Recode		SOURCE OF HIB INFORMATION
		518	0. Vaccine not reported
		1,791	1. Shot record only
		26	2. Shot record and history
		299	3. History only (no. of shots known)
		1,427	7. History only (no. of shots unknown)
		403	9. DK/refused if received vaccine
547	Recode		SOURCE OF HEPATITIS B INFORMATION
		892	0. Vaccine not reported
		1,448	1. Shot record only
		27	2. Shot record and history
		335	3. History only (no. of shots known)
		1,256	7. History only (no. of shots unknown)
		506	9. DK/refused if received vaccine

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes			
548-603	Recode	-	AGE IN MONTHS AT VACCINATION* (From shot record)			
			00. Less than 1 month old			
			01-72. 1-72 months old			
			99. Vaccine received, age unknown			
			Blank. NA - No shot record information or vaccine not/DK if received			
			Age in Months 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.

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
604-605	Recode		TOTAL NUMBER OF DTP SHOTS RECEIVED
		302	00. No DTP shots received (includes those unknown if received DTP)
		2,443	01-87. Number of shots
		1,289	88. Number reported as all
		430	99. DK/refused number of shots
606-607	Recode		TOTAL NUMBER OF POLIO VACCINATIONS RECEIVED
		339	00. No Polio vaccinations received (includes those unknown if received Polio)
		2,395	01-87. Number of vaccinations
		1,296	88. Number reported as all
		434	99. DK/refused how many vaccinations
608-609	Recode		TOTAL NUMBER OF MEASLES/MMR SHOTS RECEIVED
		936	00. No MMR shots received (includes those unknown if received MMR)
		1,926	01-87. Number of shots
		1,209	88. Number reported as all
		393	99. DK/refused how many shots
610-611	Recode		TOTAL NUMBER OF HIB SHOTS RECEIVED
		921	00. No HIB shots received (includes those unknown if received HIB)
		2,107	01-87. Number of shots
		1,072	88. Number reported as all
		364	99. DK/refused how many shots

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
612-613	Recode		TOTAL NUMBER OF HEP SHOTS RECEIVED
		1,398	00. No Hepatitis B shots received (includes those unknown if received Hepatitis B)
		1,805	01-87. Number of shots
		951	88. Number reported as all
		310	99. DK/refused how many shots
614	Recode		TOTAL NUMBER OF DTP SHOTS RECEIVED BEFORE 24 MONTHS FOR CHILDREN 24 MONTHS OF AGE AND OLDER WITH SHOT RECORD COMPLETE*
		25	0. No/unknown if DTP received before 24 months
		1,304	1-8. Number of shots
		3,135	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	Recode		TOTAL NUMBER OF POLIO VACCINATIONS RECEIVED BEFORE 24 MONTHS FOR CHILDREN 24 MONTHS OF AGE OR OLDER WITH SHOT RECORD COMPLETE*
		41	0. No/unknown if polio received before 24 months
		1,288	1-8. Number of vaccinations
		3,135	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.)

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

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
616	Recode		TOTAL NUMBER OF MEASLES/MMR SHOTS RECEIVED BEFORE 24 MONTHS FOR CHILDREN 24 MONTHS OF AGE OR OLDER WITH SHOT RECORD COMPLETE*
		178	0. No/unknown if MMR received before 24 months
		1,151	1-4. Number of shots
		3,135	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.)
617	Recode		TOTAL NUMBER OF HIB SHOTS RECEIVED BEFORE 24 MONTHS FOR CHILDREN 24 MONTHS OF AGE OR OLDER WITH SHOT RECORD COMPLETE*
		124	0. No/unknown if HIB received before 24 months
		1,205	1-4. Number of shots
		3,135	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*
		638	0. No/unknown if HIB received before 24 months
		691	1-4. Number of shots
		3,135	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.)

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

1996 NHIS IMMUNIZATION PUBLIC USE FILE

File Location	Item No.	Frequency	Item and Codes
619-620	I3/I8		PERSON NUMBER OF RESPONDENT
		4,408	01-28. Respondent's Person Number
		0	98. Active duty military
		0	99. Non-household member
		56	Blank. Unknown
