

## **THE 1988 NATIONAL HEALTH INTERVIEW SURVEY MEDICAL DEVICE IMPLANT QUESTIONNAIRE PUBLIC USE TAPE**

### Introduction

Each year, the National Center for Health Statistic (NCHS) conducts the National Health Interview Survey (NHIS). The NHIS is a personal interview household survey which uses a nationwide sample of the civilian, noninstitutionalized population of the United States. It includes a "core" set of questions which remain virtually unchanged from year to year on a variety of socio-demographic and health-related items and one or more special health topics which vary annually.

In 1988, the NHIS included an extensive set of questions about the use of various kinds of medical device implants. The 1988 Medical Device Implant Public Use Tape contains data from these questions as well as the socio-demographic and many of the health items obtained from the NHIS core questionnaire.

### **Construction of the 1988 Medical Device Implant Public Use Tape**

Data from the 1988 Medical Device Implant (MDI) Questionnaire have been organized into two files. Every person in the 1988 NHIS sample has at least one MDI record regardless of whether or not an implant was reported for them.

Record Type 60, referred to as the MDI Extended Person Record, is the one file common to all persons. The total sample for this file consists of 122,310 persons interviewed on the NHIS in 1988.

In addition, for those persons with one or more implants, there is a second file with a record for each device reported for a person. Since the type of information collected in the NHIS varied somewhat for the various types of medical devices, six different types of records were created for the following generic kinds of implants:

- Record Type 61- Artificial Joints
- Record Type 62- Fixation Devices
- Record Type 63- Artificial Heart Valves
- Record Type 64- Intraocular Lens
- Record Type 65- Pacemaker
- Record Type 66- Other Devices

A person may have one or more of each of these different types of records, depending on whether he has more than one device of any given type. For example, a person with two artificial hips will have 2 RT. 61's; and, someone with 1 intraocular lens and 2 silicone breast implants will have 1 RT. 64 and 2 RT. 66's (in addition to the persons' RT. 60, which all persons have in this MDI data base).

Locations 3-335 of every record type are identical and contain selected household, demographic and health information obtained from the NHIS core questionnaire. The person and other weights needed to produce appropriate estimates are also located here. Also, all MDI records for a specific person have the same unique identification number. This number is located in locations 5-16 on every record.

Since the NHIS uses a multistage sample designed to represent the civilian noninstitutionalized population of the United States, it is necessary to utilize the person's basic weight for proper analysis of the data. (Final basic weight= Locations 219-227).

Location 336 for RT.s 61, 62, 63, and 64, and location 339 for RT. 66 identifies whether or not it is a person's first record of a particular type. This field should be used whenever person estimates rather than device estimates are desired. For example, to produce an estimate of the number of persons with intraocular lens implants, only RT. 64's with location 336=1 would be used (plus the person weight). However, to produce an estimate of the number of intraocular lens implants, all RT. 64's would be required.

MDI2-1

NHIS PUBLIC USE TAPE RECORDS  
 Outline of Items and Codes  
 Number of Records = 824  
 1988 Medical Device Implant Record  
 Artificial Joint

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-		<b>RECORD TYPE</b>
		824	61. Medical Device (Artificial Joint)
3-4	-		<b>PROCESSING YEAR</b>
		824	88. 1988
5	-		<b>PROCESSING QUARTER</b>
		197	1. Quarter 1
		206	2. Quarter 2
		210	3. Quarter 3
		211	4. Quarter 4
6-8	HH-5		<b>RANDOM RECODE OF PSU NUMBER</b>
9-10	HH-5		<b>WEEK - CENSUS CODE*</b>
			01, 21, 41, 61, 81 ... Week 01
			02, 22, 42, 62, 82 ... Week 02
			03, 23, 43, 63, 83 ... Week 03
			04, 24, 44, 64, 84 ... Week 04
			05, 25, 45, 65, 85 ... Week 05
			06, 26, 46, 66, 86 ... Week 06
			07, 27, 47, 67, 87 ... Week 07
			08, 28, 48, 68, 88 ... Week 08
			09, 29, 49, 69, 89 ... Week 09
			10, 30, 50, 70, 90 ... Week 10
			11, 31, 51, 71, 91 ... Week 11
			12, 32, 52, 72, 92 ... Week 12
			13, 33, 53, 73, 93 ... 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.

MDI2-2

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes																										
11-12	HH-5		<p><b>SEGMENT NUMBER</b></p> <p>Week plus Segment Number identifies the segment</p>																										
13-14	HH-5		<p><b>HOUSEHOLD NUMBER</b></p> <p>Numbered within PSU-Week-Segment</p>																										
15-16	-		<p><b>PERSON NUMBER</b></p>																										
17-18	-		<p><b>RECORD SERIAL NUMBER</b></p>																										
19-20	HH-5		<p><b>PROCESSING WEEK CODE</b> (Numbered within Quarter)</p> <table> <tr><td>59</td><td>01. Week 1</td></tr> <tr><td>86</td><td>02. Week 2</td></tr> <tr><td>75</td><td>03. Week 3</td></tr> <tr><td>44</td><td>04. Week 4</td></tr> <tr><td>59</td><td>05. Week 5</td></tr> <tr><td>67</td><td>06. Week 6</td></tr> <tr><td>59</td><td>07. Week 7</td></tr> <tr><td>57</td><td>08. Week 8</td></tr> <tr><td>66</td><td>09. Week 9</td></tr> <tr><td>74</td><td>10. Week 10</td></tr> <tr><td>49</td><td>11. Week 11</td></tr> <tr><td>60</td><td>12. Week 12</td></tr> <tr><td>69</td><td>13. Week 13</td></tr> </table>	59	01. Week 1	86	02. Week 2	75	03. Week 3	44	04. Week 4	59	05. Week 5	67	06. Week 6	59	07. Week 7	57	08. Week 8	66	09. Week 9	74	10. Week 10	49	11. Week 11	60	12. Week 12	69	13. Week 13
59	01. Week 1																												
86	02. Week 2																												
75	03. Week 3																												
44	04. Week 4																												
59	05. Week 5																												
67	06. Week 6																												
59	07. Week 7																												
57	08. Week 8																												
66	09. Week 9																												
74	10. Week 10																												
49	11. Week 11																												
60	12. Week 12																												
69	13. Week 13																												
21	-		<p><b>BLANK</b></p>																										

## MDI2-3

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
22-23	HH-10c,d		<b>TYPE OF LIVING QUARTERS:</b>
			Housing Unit = (00-07)
		5	00. Housing unit; kind unknown
		771	01. House, apartment, flat
		-	02. HU in nontransient hotel, motel, etc.
		-	03. HU-permanent in transient hotel, motel, etc.
		1	04. HU in rooming house
		35	05. Mobile home or trailer with no permanent room added
		8	06. Mobile home or trailer with one or more permanent rooms added
		-	07. HU not specified above
			Other Unit = (08-13)
		1	08. Quarters not HU in rooming or boarding house
		-	09. Unit not permanent in transient hotel, motel, etc.
		-	10. Unoccupied site for mobile home, trailer, or tent
		2	11. Student quarters in college dormitory
		1	12. Other unit not specified above
		-	13. Other unit; kind unknown
24	HH-11		<b>HAS TELEPHONE</b>
		770	1. Yes, phone number given
		22	2. Yes, no phone number given
		25	3. No
		7	4. Unknown
25	A-1		<b>SEX</b>
		316	1. Male
		508	2. Female
26	-		<b>BLANK</b>

## MDI2-4

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
27-28	Person Column		<b>AGE</b>
		-	00. Under 1 year
		824	01-98. Number of years
		-	99. 99+ years of age
29	Recode		<b>AGE RECODE #1</b>
		-	1. Under 5 years
		5	2. 5-17 years
		15	3. 18-24 years
		85	4. 25-44 years
		206	5. 45-64 years
		124	6. 65-69 years
		124	7. 70-74 years
		265	8. 75 years and over
30	Recode		<b>AGE RECODE #2</b>
		-	1. Under 6 years
		4	2. 6-16 years
		16	3. 17-24 years
		38	4. 25-34 years
		47	5. 35-44 years
		48	6. 45-54 years
		158	7. 55-64 years
		248	8. 65-74 years
		265	9. 75 years and over
31-32	Recode		<b>AGE RECODE #3</b>
		-	00-35. Months
		824	36. Over 3 years
33	-		<b>BLANK</b>

## MDI2-5

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>34-39</b>	<b>A-3</b>		<b>MONTH AND YEAR OF BIRTH</b>
<b>34-35</b>			<b>MONTH</b>
			01. January                      08. August
			02. February                    09. September
			03. March                        10. October
			04. April                         11. November
			05. May                         12. December
			06. June                         99. DK or refused
			07. July
<b>36-39</b>			<b>YEAR OF BIRTH</b>
			1800-1899. 1800-1899
			1900-1989. 1900-1989
			9999. DK or refused
<b>40-41</b>			<b>BLANK</b>
<b>42</b>	<b>L-3</b>		<b>MAIN RACIAL BACKGROUND - Reported</b>
		10	1. Aleut, Eskimo, or American Indian
		1	2. Asian/Pacific Islander
		66	3. Black
		745	4. White
		1	5. Other
		1	6. Multiple race
		-	7. Unknown

## MDI2-6

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>43-45</b>	<b>Recode</b>		<b>RACE RECODES</b>
<b>43</b>			<b>RECODE 1</b>
		746	1. White
		66	2. Black
		12	3. Other
<b>44</b>			<b>RECODE 2</b>
		746	1. White
		78	2. Non-white
<b>45</b>			<b>RECODE 3</b>
		66	1. Black
		758	2. Non-black
<b>46-47</b>	<b>L-4</b>		<b>HISPANIC ORIGIN</b>
		-	00. Multiple Hispanic
		2	01. Puerto Rican
		1	02. Cuban
		6	03. Mexican-Mexicano
		9	04. Mexican-American
		-	05. Chicano
		5	06. Other Latin American
		6	07. Other Spanish
		1	08. Spanish, DK type
		3	09. Unknown if Spanish origin
		791	10. Not Spanish origin
<b>48</b>	<b>L-7</b>		<b>MARITAL STATUS</b>
		-	0. Under 14 years
		475	1. Married - spouse in household
		4	2. Married - spouse not in household
		228	3. Widowed
		51	4. Divorced
		16	5. Separated
		50	6. Never married
		-	7. Unknown



## MDI2-7

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>49</b>	<b>L-1</b>		<b>VETERAN STATUS</b>
		672	1. Non-veteran
		-	2. WW I
		92	3. WW II
		17	4. Korean War
		19	5. Vietnam veteran
		4	6. Post-Vietnam
		10	7. Other service
		1	8. Served in Armed Forces, unknown if war veteran
		4	9. Unknown if served in Armed Forces
		5	Blank. Under 18 years of age
<b>50</b>	<b>L-1</b>		<b>ACTIVE GUARD/RESERVE STATUS FOR PERSONS ON ACTIVE DUTY IN ARMED FORCES</b>
		672	0. Non-veteran
		7	1. All service in Guard/Reserve
		25	2. Some service in Guard/Reserve
		-	3. Unknown if all service in Guard/Reserve
		108	4. No active service in Guard/Reserve
		7	5. Unknown if ever active member in Guard/Reserve or served in Armed Forces
		5	Blank. Under 18 years of age
<b>51-52</b>	<b>L-2</b>		<b>EDUCATION OF INDIVIDUAL - COMPLETED YEARS</b>
		5	00. Never attended; kindergarten only
		599	01-12. Grades 1-12
			COLLEGE:
		30	13. 1 year
		70	14. 2 years
		23	15. 3 years
		75	16. 4 years
		7	17. 5 years
		14	18. 6 years or more
		1	19. Unknown
		-	Blank. Under 5 years of age

## MDI2-8

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
53	Recode		<b>EDUCATION OF INDIVIDUAL RECODE</b>
		5	0. None; kindergarten only
		195	1. 1-8 years (elementary)
		138	2. 9-11 years (high school)
		266	3. 12 years (high school graduate)
		123	4. 1-3 years (college)
		75	5. 4 years (college graduate)
		21	6. 5+ years (post-college)
		1	7. Unknown
		-	Blank. Under 5 years of age
54-55	-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)</b>
		5	00. Never attended; kindergarten only
		513	01-12. Grades 1-12
			COLLEGE:
		44	13. 1 year
		85	14. 2 years
		35	15. 3 years
		98	16. 4 years
		11	17. 5 years
		33	18. 6 years or more
		-	19. Unknown
56	-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER RECODE</b>
		5	0. None; kindergarten only
		97	1. 1-8 years (elementary)
		125	2. 9-11 years (high school)
		291	3. 12 years (high school graduate)
		164	4. 1-3 years (college)
		98	5. 4 years (college graduate)
		44	6. 5+ years (post-college)
		-	7. Unknown

## MDI2-9

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
57	L-8		<b>FAMILY INCOME \$20,000 OR MORE</b>
		463	1. Less than \$20,000
		341	2. \$20,000 or more
		20	3. Unknown
58-59	L-8		<b>FAMILY INCOME</b>
		1	00. Less than \$1,000
		6	01. \$ 1,000 - \$ 1,999
		6	02. 2,000 - 2,999
		9	03. 3,000 - 3,999
		21	04. 4,000 - 4,999
		22	05. 5,000 - 5,999
		19	06. 6,000 - 6,999
		31	07. 7,000 - 7,999
		12	08. 8,000 - 8,999
		40	09. 9,000 - 9,999
		39	10. 10,000 - 10,999
		21	11. 11,000 - 11,999
		34	12. 12,000 - 12,999
		15	13. 13,000 - 13,999
		18	14. 14,000 - 14,999
		16	15. 15,000 - 15,999
		21	16. 16,000 - 16,999
		28	17. 17,000 - 17,999
		20	18. 18,000 - 18,999
		21	19. 19,000 - 19,999
		68	20. 20,000 - 24,999
		42	21. 25,000 - 29,999
		39	22. 30,000 - 34,999
		26	23. 35,000 - 39,999
		32	24. 40,000 - 44,999
		19	25. 45,000 - 49,999
		60	26. \$50,000 and over
		138	27. Unknown

## MDI2-10

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
60	Recode		<b>FAMILY INCOME RECODE</b>
		43	0. Under \$5,000
		41	1. \$ 5,000 - \$ 6,999
		83	2. 7,000 - 9,999
		127	3. 10,000 - 14,999
		106	4. 15,000 - 19,999
		68	5. 20,000 - 24,999
		81	6. 25,000 - 34,999
		77	7. 35,000 - 49,999
		60	8. \$50,000 or more
		138	9. Unknown
61	Generated		<b>NHIS POVERTY INDEX*</b>
		666	1. At or above poverty threshold
		75	2. Below poverty threshold
		83	3. Unknown
62-63			<b>FAMILY RELATIONSHIP</b>
62	A-2		<b>TYPE OF FAMILY</b>
		241	&. Primary individual
		8	-. Secondary individual
		575	0. Primary family
		-	1-9. Secondary family
63	A-2		<b>RELATIONSHIP TO REFERENCE PERSON</b>
		236	&. Reference person, living alone
		314	0. Reference person, 2+ persons in household
		224	1. Spouse, other spouse NOT in Armed Forces and living at home
		1	2. Spouse, other spouse IN Armed Forces and living at home
		8	3. Child of reference person or spouse
		1	4. Grandchild of reference person or spouse
		29	5. Parent of reference person or spouse
		11	6. Other relative
		-	7. Child of military family with no eligible reference person
		-	9. DK or refused

\*Based on family size, number of children under 18 years of age and family income using the 1987 poverty levels derived from the August, 1988 Current Population Survey.

## MDI2-11

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
64	Recode		<b>FAMILY RELATIONSHIP RECODE</b>
		236	1. Living alone
		13	2. Living only with non-relative
		475	3. Living with spouse
		100	4. Living with relative - other
65-66	Generated		<b>SIZE OF FAMILY*</b>
			Unrelated individuals are coded 01
67	Generated		<b>SIZE OF FAMILY RECODE</b>
			1-8. Number of members
			9. 9+ members
68	A-2		<b>PARENT/OTHER ADULT RELATIVE (under 25 years old and never married)</b>
		1	1. Both parents, no other relative
		1	2. Mother only
		-	3. Father only
		4	4. Both parents and other 21+ year old adult relative
		-	5. Mother and other 21+ year old adult relative
		-	6. Father and other 21+ year old adult relative
		-	7. No parent, but one 21+ year old adult relative
		1	8. No parent, but two or more 21+ year old adult relatives
		-	9. Unknown
		2	0. Other
		815	Blank. Not applicable (25+ years old or ever married)

\*Count includes spouse in military but living at home.

## MDI2-12

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
69		B-1 B-8		<b>MAJOR ACTIVITY (18+ years old)</b>
			167	1. Working
			273	2. Keeping house
			6	3. Going to school
			352	4. Something else
			21	5. Unknown
			5	Blank. Not applicable (Under 18 years)
70		G-4		<b>HEALTH STATUS</b>
			99	1. Excellent
			151	2. Very Good
			249	3. Good
			195	4. Fair
			128	5. Poor
			2	6. Unknown
71		Recode		<b>ACTIVITY LIMITATION STATUS - (all ages)</b>
			179	1. Unable to perform major activity
			200	2. Limited in kind/amount major activity
			144	3. Limited in other activities
			301	4. Not limited (includes unknowns)
72		Recode		<b>ACTIVITY LIMITATION STATUS MEASURED BY "ABILITY TO WORK" (18-69 years)</b>
			180	1. Unable to work
			72	2. Limited in kind/amount of work
			49	3. Limited in other activities
			129	4. Not limited (includes unknowns)
			394	Blank. Not applicable (under 18 years, 70+ years)

MDI2-13

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
73	B-11		<b>LIMITATION OF SCHOOL ACTIVITIES (5-17 years)</b>
		-	1. Unable to attend school
		-	2. Attends special school/classes
		-	3. Needs special school/classes
		3	4. Limited in school attendance
		1	5. Limited in other activities
		1	6. Not limited (includes unknowns)
		819	Blank. Not applicable (Under 5 years or 18+ years)
74	B-14		<b>NEEDS HELP WITH PERSONAL CARE (5-59 years old and limited, or age 60-69 years)</b>
		38	1. Unable to perform personal care needs
		56	2. Limited in performing other routine needs
		265	3. Not limited in performing personal or routine needs
		-	4. Unknown
		465	Blank. Not applicable (Under 5 years; 5-59 years not limited; 70+ years old)
75	D-1		<b>EMPLOYMENT STATUS IN PAST 2 WEEKS (18+ years)</b>
			In the Labor Force: (1-7)
			Currently employed: (1-3)
		184	1. Worked in past 2 weeks
		7	2. Did not work, has job; not on lay-off and not looking for work
		-	3. Did not work, has job; looking for work
			Unemployed: (4-7)
		-	4. Did not work, has job; on lay-off
		-	5. Did not work, has job; on lay-off and looking for work
		3	6. Did not work, has job; unknown if looking or on lay-off
		8	7. Did not work, has no job; looking for work or on lay-off
		617	Not in Labor Force (18+ years): (8)
		5	Blank. Not applicable (Under 18 years old)

## MDI2-14

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
76	L-6		<b>CLASS OF WORKER</b>
		617	0. Not in labor force
		113	1. Private company
		7	2. Federal Government employee
		11	3. State Government employee
		16	4. Local Government employee
		9	5. Incorporated business
		40	6. Self-employed
		2	7. Without pay
		1	8. Never worked
		3	9. Unknown
		5	Blank. Under 18
77-79	L-6		<b>INDUSTRY DETAIL CODE</b>
		202	010-996. Code number
		622	Blank. Not applicable
80-81	Recode		<b>INDUSTRY RECODE 1</b>
			SEE APPENDIX B
82-83	Recode		<b>INDUSTRY RECODE 2</b>
			SEE APPENDIX B
84-86	L-6		<b>OCCUPATION DETAIL CODE</b>
		202	003-999. Code number
		622	Blank. Not applicable
87-88	Recode		<b>OCCUPATION RECODE 1</b>
			SEE APPENDIX C
89-90	Recode		<b>OCCUPATION RECODE 2</b>
			SEE APPENDIX C



## MDI2-15

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
91	L-R		<b>RESPONDENT</b>
		4	0. Under 17
		638	1. Self-entirely
		49	2. Self-partly
		124	3. Proxy
		9	4. Unknown
92	Recode		<b>CONDITION LIST ASSIGNED AND ASKED</b>
		129	1. Condition List 1, Skin and musculoskeletal
		145	2. Condition List 2, Impairments
		132	3. Condition List 3, Digestive
		151	4. Condition List 4, Miscellaneous
		128	5. Condition List 5, Circulatory
		139	6. Condition List 6, Respiratory
		-	7. Unknown
93-94	G-5		<b>HEIGHT WITHOUT SHOES (18+ years)</b>
			36-98. Number of inches
			99. Unknown
			Blank. Under 18 years of age
95-97	G-5		<b>WEIGHT WITHOUT SHOES (18+ years)</b>
			050-500. Number of pounds
			501. Unknown
			Blank. Under 18 years of age
98-99	Recode		<b>TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS</b>
		652	00. None
		172	01-14. Days
100-101	D-4		<b>BED DAYS IN PAST TWO WEEKS</b>
		723	00. None
		101	01-14. Days

## MDI2-16

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
102-103	D-2		<b>WORK-LOSS DAYS IN PAST TWO WEEKS</b>
		809	00. None
		15	01-14. Days
104-105	D-3		<b>SCHOOL-LOSS DAYS IN PAST TWO WEEKS</b>
		824	00. None
		-	01-14. Days
106-107	D-6		<b>OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS</b>
		729	00. None
		95	01-14. Days
108-110	G-2		<b>BED DAYS IN PAST 12 MONTHS</b>
		368	000. None
		447	001-365. 1-365 days
		9	366. Unknown
111	Recode		<b>BED DAYS IN PAST 12 MONTHS - Recode</b>
		368	0. None
		136	1. 1-7 days
		185	2. 8-30 days
		109	3. 31-180 days
		17	4. 181-365 days
		9	5. Unknown
112-114	G-3		<b>DOCTOR VISITS IN PAST 12 MONTHS</b>
		89	000. None
		733	001-996. Visits
		-	997. 997+ visits
		2	998. Unknown

## MDI2-17

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
115	G-3		INTERVAL SINCE LAST DOCTOR VISIT
		-	0. Never
		743	1. Less than 1 year
		40	2. 1 to less than 2 years
		31	3. 2 to less than 5 years
		7	4. 5 years or more
		3	5. Unknown
116-117	Generated		NUMBER OF CONDITIONS
118-119	Generated		NUMBER OF ACUTE INCIDENCE CONDITIONS
120-121	Generated		NUMBER OF TWO-WEEK DOCTOR VISITS
122-123	Generated		NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
124-126	Generated		SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
127-128	Generated		NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS EXCLUDING DELIVERY*
129-131	Generated		SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS EXCLUDING DELIVERY*
132-133	Generated		NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS
134-136	Generated		NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS
137-138	Generated		NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*

\*Based on Operation codes and reason entered hospital.

## MDI2-18

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

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*
142-171	-		BLANK
172-177	-		QUARTER BASIC WEIGHT BEFORE AGE-SEX-RACE ADJUSTMENT (has one implied decimal)
178	Master Record		TYPE OF SUBSTRATUM
		50	0. Permit
		57	1. Area, oversampled for blacks
		717	2. Area, not oversampled for blacks
179-181	-		FULL SAMPLE STRATUM IDENTIFIER
182	Master Record		REGION
		153	1. Northeast
		240	2. Midwest
		274	3. South
		157	4. West
183	Master Record		GEOGRAPHIC DISTRIBUTION
			1-4. MSA Size
		289	1. 1,000,000 or more
		212	2. 250,000 - 999,999
		52	3. 100,000 - 249,999
		19	4. Under 100,000
		252	Blank. Non-MSA
184			BLANK
185	Master Record		TYPE OF PSU
		377	1. MSA - Self-representing
		195	3. MSA - Nonself-representing
		1	4. Non-MSA - Self-representing
		251	6. Non-MSA - Nonself-representing

\*Based on Operation codes and reason entered hospital.

## MDI2-19

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
186	Recode		MSA - NON-MSA RESIDENCE
		219	1. MSA - Central City
		353	2. MSA - Not Central City
		235	3. Non-MSA - Nonfarm
		17	4. Non-MSA - Farm
187-189			PSEUDO PSU CODES
190-200			CHRONIC CONDITION PREVALENCE AND INCIDENCE FACTOR (XX.XXXXXXXXXX) - character format with implied decimal
			FINAL BASIC WEIGHT
201-209			QUARTER
210-218			SEMI-ANNUAL (WT/2)
219-227			ANNUAL (WT/4)
			6.5 WEIGHT
228-236			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED RESTRICTED ACTIVITY DAYS IN PAST 2 WEEKS
237-245			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED BED DAYS IN PAST 2 WEEKS
246-254			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED WORK-LOSS DAYS IN PAST 2 WEEKS
255-263			QUARTER, SEMI-ANNUAL AND ANNUAL

MDI2-20

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
264-272			ESTIMATED SCHOOL-LOSS DAYS IN PAST 2 WEEKS QUARTER, SEMI-ANNUAL AND ANNUAL
273-281			ESTIMATED DOCTOR VISITS IN PAST 12 MONTHS QUARTER
282-290			SEMI-ANNUAL
291-299			ANNUAL
300-308			ESTIMATED SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS QUARTER
309-317			SEMI-ANNUAL
318-326			ANNUAL
327-335			ANNUAL ESTIMATED NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
336	Generated		IS THIS FIRST ARTIFICIAL JOINT RECORD
		657	1. Yes
		167	2. No
337	Generated		TOTAL NUMBER OF ARTIFICIAL JOINTS THIS PERSON NOW HAS
		824	1-5. Number of joints

## MDI2-22

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
(338-346)	1a,1b		<b>KINDS OF ARTIFICIAL JOINTS RECEIVED</b>
338-339	1a		<b>KIND OF JOINT</b>
		16	01. Shoulder joint, left or right
		12	02. Elbow joint, left or right
		3	03. Hand, left or right
		9	04. Wrist joint, left or right
		19	05. Finger joints, left or right
		356	06. Hip joint, left or right
		190	07. Knee joint, left or right
		1	08. Foot, left or right
		5	09. Ankle joint, left or right
		29	10. Toe joints, left or right
		14	88. Other joints
		3	99. Unknown
		167	Blank.
340	1b		<b>HOW MANY JOINTS OF THIS KIND</b>
		657	1-9. 1-9 joints
		167	Blank.
341-342	1a		<b>KIND OF JOINT</b>
		-	01. Shoulder joint, left or right
		1	02. Elbow joint, left or right
		-	03. Hand, left or right
		1	04. Wrist joint, left or right
		-	05. Finger joints, left or right
		4	06. Hip joint, left or right
		24	07. Knee joint, left or right
		1	08. Foot, left or right
		-	09. Ankle joint, left or right
		1	10. Toe joints, left or right
		3	88. Other joints
		-	99. Unknown
		789	Blank.

## MDI2-23

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
343	1b	35 789	HOW MANY JOINTS OF THIS KIND 1-9. 1-9 joints Blank.
344-345	1a	- - - - - - - - 1 - - - 823	KIND OF JOINT 01. Shoulder joint, left or right 02. Elbow joint, left or right 03. Hand, left or right 04. Wrist joint, left or right 05. Finger joints, left or right 06. Hip joint, left or right 07. Knee joint, left or right 08. Foot, left or right 09. Ankle joint, left or right 10. Toe joints, left or right 88. Other joints 99. Unknown Blank.
346	1b	1 823	HOW MANY JOINTS OF THIS KIND 1-9. 1-9 joints Blank.
347-348	Check Item 4	18 14 4 12 20 419 263 2 6 40 22 4 -	KIND OF JOINT REMAINING ITEMS REFER TO (Check Item 4) 01. Shoulder joint, left or right 02. Elbow joint, left or right 03. Hand, left or right 04. Wrist joint, left or right 05. Finger joints, left or right 06. Hip joint, left or right 07. Knee joint, left or right 08. Foot, left or right 09. Ankle joint, left or right 10. Toe joints, left or right 88. Other joints 99. Unknown Blank.
349	3	3 7 10 804	FINGER JOINT MADE OF 1. Silicone 8. Other 9. Unknown Blank. Not Applicable



## MDI2-24

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
350	4a		<b>ARTIFICIAL JOINT REPLACED</b>
		62	1. Yes
		739	2. No
		23	9. Unknown
351	4b		<b>NUMBER OF TIMES REPLACED</b>
		62	1-9. 1-9 times
		-	9. Unknown
		762	Blank. Not applicable
(352-362)	4c,4d		<b>REASON LAST ARTIFICIAL JOINT REPLACED</b>
352	4c		<b>NORMAL GROWTH</b>
		1	1. Yes
		60	2. No
		1	9. Unknown
		762	Blank. Not applicable
353	4c		<b>DEFECT OR MALFUNCTION</b>
		16	1. Yes
		45	2. No
		1	9. Unknown
		762	Blank. Not applicable
354	4d		<b>WHEN FIRST NOTICED DEFECT</b>
		3	1. Less than 30 days
		1	2. 30-90 days
		12	3. More than 90 days
		-	9. Unknown
		808	Blank. Not applicable
355	4c		<b>LOOSENING</b>
		21	1. Yes
		40	2. No
		1	9. Unknown
		762	Blank. Not applicable
356	4d		<b>WHEN FIRST NOTICED LOOSENING</b>
		1	1. Less than 30 days
		2	2. 30-90 days
		18	3. More than 90 days
		-	9. Unknown
		803	Blank. Not applicable

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
(352-362)	4c,4d		<b>REASON LAST ARTIFICIAL JOINT REPLACED continued</b>
357	4c		<b>INFECTION</b>
		10	1. Yes
		51	2. No
		1	9. Unknown
		762	Blank. Not applicable
358	4d		<b>WHEN FIRST NOTICED INFECTION</b>
		3	1. Less than 30 days
		1	2. 30-90 days
		5	3. More than 90 days
		1	9. Unknown
		814	Blank. Not applicable
359	4c		<b>INCREASED PAIN OVER TIME</b>
		13	1. Yes
		48	2. No
		1	9. Unknown
		762	Blank. Not applicable
360	4d		<b>WHEN FIRST NOTICED PAIN</b>
		4	1. Less than 30 days
		2	2. 30-90 days
		5	3. More than 90 days
		2	9. Unknown
		811	Blank. Not applicable
361	4c		<b>SOME OTHER REASON</b>
		20	1. Yes
		41	2. No
		1	9. Unknown
		762	Blank. Not applicable
362	4d		<b>WHEN FIRST NOTICED OTHER REASON</b>
		2	1. Less than 30 days
		-	2. 30-90 days
		16	3. More than 90 days
		2	9. Unknown
		804	Blank. Not applicable

## MDI2-27

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
	363-364	4e		<b>LENGTH OF TIME HAD ARTIFICIAL JOINT BEFORE LAST REPLACEMENT</b>
			41	01-20. 1-20 years
			6	97. Less than 6 months
			4	98. 6-11 months
			11	99. Unknown
			762	Blank. Not Applicable
	(365-368)	4f		<b>MONTH AND YEAR RECEIVED PREVIOUS ARTIFICIAL JOINT</b>
	365-366			<b>MONTH</b>
			1	00. Before 1968 (year unknown)
			5	98. 1968 or later (year unknown)
			1	01. January
			3	02. February
			5	03. March
			6	04. April
			3	05. May
			1	06. June
			-	07. July
			2	08. August
			3	09. September
			5	10. October
			1	11. November
			4	12. December
			22	99. Unknown
			762	Blank. Not applicable
	367-368			<b>YEAR</b>
			1	00. Before 1968 (year unknown)
			5	98. 1968 or later (year unknown)
			34	60-89. 1960-1989
			22	99. Unknown
			762	Blank. Not applicable

MDI2-28

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
369-370	5a		<b>LENGTH OF TIME WITH CURRENT ARTIFICIAL JOINT</b>
		624	01-29. 1-29 years
		65	97. Less than 6 months
		61	98. 6-11 months
		74	99. Unknown
(371-374)	5b		<b>MONTH AND YEAR RECEIVED CURRENT ARTIFICIAL JOINT</b>
371-372			<b>MONTH</b>
		6	00. Before 1968 (year unknown)
		29	98. 1968 or later (year unknown)
		49	01. January
		43	02. February
		47	03. March
		50	04. April
		65	05. May
		60	06. June
		54	07. July
		41	08. August
		50	09. September
		64	10. October
		59	11. November
		51	12. December
		156	99. Unknown
373-374			<b>YEAR</b>
		6	00. Before 1968 (year unknown)
		29	98. 1968 or later (year unknown)
		735	60-89. 1960-1989
		54	99. Unknown
375	6		<b>MOBILITY WITH CURRENT ARTIFICIAL JOINT</b>
		575	1. Improved
		126	2. Same
		103	3. Worse
		20	9. Unknown

## MDI2-29

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
(376-392)		7a-7m		<b>HAD FOLLOWING COMPLICATIONS/PROBLEMS WITH/DUE TO CURRENT ARTIFICIAL JOINT</b>
	376	7a	19 782 23	<b>BLOOD CLOTS</b> 1. Yes 2. No 9. Unknown
	377	7b	11 5 3 - 805	<b>HOW LONG HAD JOINT WHEN BLOOD CLOTS FIRST NOTICED</b> 1. Less than 30 days 2. 30-90 days 3. More than 90 days 9. Unknown Blank. Not applicable
	378	7c	34 770 20	<b>INFECTION</b> 1. Yes 2. No 9. Unknown
	379	7d	18 4 12 - 790	<b>HOW LONG HAD JOINT WHEN INFECTION FIRST NOTICED</b> 1. Less than 30 days 2. 30-90 days 3. More than 90 days 9. Unknown Blank. Not applicable
	380	7e	50 730 44	<b>LOOSENED</b> 1. Yes 2. No 9. Unknown

## MDI2-30

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
(376-392)	7a-7m		<b>HAD FOLLOWING COMPLICATIONS/PROBLEMS... cont.</b>
381	7f		<b>HOW LONG HAD JOINT WHEN LOOSENING FIRST NOTICED</b>
		4	1. Less than 30 days
		4	2. 30-90 days
		42	3. More than 90 days
		774	9. Unknown
			Blank. Not applicable
382	7g		<b>INCREASED PAIN</b>
		159	1. Yes
		642	2. No
		23	9. Unknown
383	7h		<b>HOW LONG HAD JOINT WHEN FIRST NOTICED PAIN</b>
		44	1. Less than 30 days
		12	2. 30-90 days
		96	3. More than 90 days
		7	9. Unknown
		665	Blank. Not applicable
384	7i		<b>DEFECTS OR FAILURE</b>
		48	1. Yes
		744	2. No
		32	9. Unknown
385	7j		<b>HOW LONG HAD JOINT WHEN DEFECTS/ FAILURE FIRST NOTICED</b>
		17	1. Less than 30 days
		5	2. 30-90 days
		24	3. More than 90 days
		2	9. Unknown
		776	Blank. Not applicable
386	7k		<b>OTHER PROBLEM OR COMPLICATION</b>
		88	1. Yes
		716	2. No
		20	9. Unknown
387	7l		<b>FIRST PROBLEM</b>
		88	1. Problem one
		736	Blank. Not applicable

## MDI2-31

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
(376-392)	7a-7m		<b>HAD FOLLOWING COMPLICATIONS/PROBLEMS... cont.</b>
388	7m		<b>HOW LONG HAD JOINT WHEN FIRST PROBLEM FIRST NOTICED</b>
		29	1. Less than 30 days
		12	2. 30-90 days
		36	3. More than 90 days
		11	9. Unknown
		736	Blank. Not applicable
389	71		<b>SECOND PROBLEM</b>
		19	2. Problem two
		805	Blank. No 2nd Problem specified not applicable
390	7m		<b>HOW LONG HAD JOINT WHEN SECOND PROBLEM FIRST NOTICED</b>
		8	1. Less than 30 days
		-	2. 30-90 days
		11	3. More than 90 days
		-	9. Unknown
		805	Blank. Not applicable
391	71		<b>THIRD PROBLEM</b>
		6	3. Problem three
		818	Blank. No 3rd problem specified; not applicable
392	7m		<b>HOW LONG HAD JOINT WHEN FIRST PROBLEM FIRST NOTICED</b>
		2	1. Less than 30 days
		-	2. 30-90 days
		4	3. More than 90 days
		-	9. Unknown
		818	Blank. Not applicable

## MDI2-32

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
	(393-398)	8 (pgs. 10 & 11)		<b>REASON(S) FOR ORIGINAL ARTIFICIAL JOINT</b>
		393		<b>OSTEOARTHRITIS</b>
			119	1. Yes
			686	2. No
			19	9. Unknown
		394		<b>RHEUMATOID ARTHRITIS</b>
			100	1. Yes
			705	2. No
			19	9. Unknown
		395		<b>ARTHRITIS, UNSPECIFIED</b>
			185	1. Yes
			620	2. No
			19	9. Unknown
		396		<b>INJURY</b>
			67	1. Yes
			738	2. No
			19	9. Unknown
		397		<b>PAIN</b>
			67	1. Yes
			738	2. No
			19	9. Unknown
		398		<b>SOME OTHER REASON</b>
			194	1. Yes
			611	2. No
			19	9. Unknown
		399		<b>RESPONDENT</b>
			610	1. Self - personal
			104	2. Self - telephone
			62	3. Proxy - personal
			19	4. Proxy - telephone
			5	5. Proxy - method unknown
			24	9. Respondent unknown



MDI2-33

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL JOINT)

Tape Locations	Item No.	Frequency	Items and Codes
400-401	Check Item 5		RELATIONSHIP OF PROXY RESPONDENT TO PERSON WITH ARTIFICIAL JOINT
		56	01. Spouse
		1	02. Father
		3	03. Mother
		-	04. Brother
		1	05. Sister
		1	06. Son
		11	07. Daughter
		-	08. Aunt
		-	09. Uncle
		1	10. Grandmother (Great)
		-	11. Grandfather (Great)
		-	12. Grandson
		1	13. Granddaughter
		3	14. Not related
		-	15. DK if related
		5	88. Other relative
		3	99. Relationship unknown
		738	Blank. Not applicable
402-410			BLANK

MDI3-1

NHIS PUBLIC USE TAPE RECORDS  
 Outline of Items and Codes  
 Number of Records = 2,436  
 1988 Medical Device Implant Record  
 Fixation Devices

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-		<b>RECORD TYPE</b>
		2,436	62. Medical Device (Fixation Devices)
3-4	-		<b>PROCESSING YEAR</b>
		2,436	88. 1988
5	-		<b>PROCESSING QUARTER</b>
		559	1. Quarter 1
		600	2. Quarter 2
		632	3. Quarter 3
		645	4. Quarter 4
6-8	HH-5		<b>RANDOM RECODE OF PSU NUMBER</b>
9-10	HH-5		<b>WEEK - CENSUS CODE*</b>
			01, 21, 41, 61, 81 ... Week 01
			02, 22, 42, 62, 82 ... Week 02
			03, 23, 43, 63, 83 ... Week 03
			04, 24, 44, 64, 84 ... Week 04
			05, 25, 45, 65, 85 ... Week 05
			06, 26, 46, 66, 86 ... Week 06
			07, 27, 47, 67, 87 ... Week 07
			08, 28, 48, 68, 88 ... Week 08
			09, 29, 49, 69, 89 ... Week 09
			10, 30, 50, 70, 90 ... Week 10
			11, 31, 51, 71, 91 ... Week 11
			12, 32, 52, 72, 92 ... Week 12
			13, 33, 53, 73, 93 ... 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.

## MDI3-2

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
11-12	HH-5		<b>SEGMENT NUMBER</b>  Week plus Segment Number identifies the segment
13-14	HH-5		<b>HOUSEHOLD NUMBER</b>  Numbered within PSU-Week-Segment
15-16	-		<b>PERSON NUMBER</b>
17-18	-		<b>RECORD SERIAL NUMBER</b>
19-20	HH-5		<b>PROCESSING WEEK CODE</b> (Numbered within Quarter)
		192	01. Week 1
		222	02. Week 2
		184	03. Week 3
		182	04. Week 4
		188	05. Week 5
		169	06. Week 6
		184	07. Week 7
		181	08. Week 8
		179	09. Week 9
		198	10. Week 10
		182	11. Week 11
		191	12. Week 12
		184	13. Week 13
21	-		<b>BLANK</b>

## MDI3-3

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
22-23	HH-10c,d		<b>TYPE OF LIVING QUARTERS:</b>
			Housing Unit = (00-07)
		13	00. Housing unit; kind unknown
		2,242	01. House, apartment, flat
		6	02. HU in nontransient hotel, motel, etc.
		-	03. HU-permanent in transient hotel, motel, etc.
		1	04. HU in rooming house
		147	05. Mobile home or trailer with no permanent room added
		17	06. Mobile home or trailer with one or more permanent rooms added
		-	07. HU not specified above
			Other Unit = (08-13)
		-	08. Quarters not HU in rooming or boarding house
		-	09. Unit not permanent in transient hotel, motel, etc.
		1	10. Unoccupied site for mobile home, trailer, or tent
		9	11. Student quarters in college dormitory
		-	12. Other unit not specified above
		-	13. Other unit; kind unknown
24	HH-11		<b>HAS TELEPHONE</b>
		2,225	1. Yes, phone number given
		64	2. Yes, no phone number given
		136	3. No
		11	4. Unknown
25	A-1		<b>SEX</b>
		1,358	1. Male
		1,078	2. Female
26	-		<b>BLANK</b>

## MDI3-4

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
27-28	Person Column		AGE
		1	00. Under 1 year
		2,434	01-98. Number of years
		1	99. 99+ years of age
29	Recode		AGE RECODE #1
		12	1. Under 5 years
		91	2. 5-17 years
		185	3. 18-24 years
		843	4. 25-44 years
		708	5. 45-64 years
		181	6. 65-69 years
		153	7. 70-74 years
		263	8. 75 years and over
30	Recode		AGE RECODE #2
		16	1. Under 6 years
		69	2. 6-16 years
		203	3. 17-24 years
		419	4. 25-34 years
		424	5. 35-44 years
		340	6. 45-54 years
		368	7. 55-64 years
		334	8. 65-74 years
		263	9. 75 years and over
31-32	Recode		AGE RECODE #3
		4	00-35. Months
		2,432	36. Over 3 years
33	-		BLANK

## MDI3-5

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>34-39</b>	<b>A-3</b>		<b>MONTH AND YEAR OF BIRTH</b>
<b>34-35</b>			<b>MONTH</b>
			01. January                      08. August
			02. February                    09. September
			03. March                        10. October
			04. April                         11. November
			05. May                         12. December
			06. June                         99. DK or refused
			07. July
<b>36-39</b>			<b>YEAR OF BIRTH</b>
			1800-1899. 1800-1899
			1900-1989. 1900-1989
			9999. DK or refused
<b>40-41</b>			<b>BLANK</b>
<b>42</b>	<b>L-3</b>		<b>MAIN RACIAL BACKGROUND - Reported</b>
		29	1. Aleut, Eskimo, or American Indian
		10	2. Asian/Pacific Islander
		209	3. Black
		2,177	4. White
		5	5. Other
		1	6. Multiple race
		5	7. Unknown

## MDI3-6

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
43-45	Recode		RACE RECODES
43			RECODE 1
		2,188	1. White
		209	2. Black
		39	3. Other
44			RECODE 2
		2,188	1. White
		248	2. Non-white
45			RECODE 3
		209	1. Black
		2,227	2. Non-black
46-47	L-4		HISPANIC ORIGIN
		1	00. Multiple Hispanic
		9	01. Puerto Rican
		3	02. Cuban
		19	03. Mexican-Mexicano
		39	04. Mexican-American
		2	05. Chicano
		8	06. Other Latin American
		11	07. Other Spanish
		7	08. Spanish, DK type
		9	09. Unknown if Spanish origin
		2,328	10. Not Spanish origin
48	L-7		MARITAL STATUS
		47	0. Under 14 years
		1,481	1. Married - spouse in household
		13	2. Married - spouse not in household
		272	3. Widowed
		206	4. Divorced
		51	5. Separated
		362	6. Never married
		4	7. Unknown

## MDI3-7

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>49</b>	<b>L-1</b>			<b>VETERAN STATUS</b>
			1,741	1. Non-veteran
			4	2. WW I
			161	3. WW II
			114	4. Korean War
			179	5. Vietnam veteran
			35	6. Post-Vietnam
			72	7. Other service
			9	8. Served in Armed Forces, unknown if war veteran
			18	9. Unknown if served in Armed Forces
			103	Blank. Under 18 years of age
<b>50</b>	<b>L-1</b>			<b>ACTIVE GUARD/RESERVE STATUS FOR PERSONS ON ACTIVE DUTY IN ARMED FORCES</b>
			1,741	0. Non-veteran
			25	1. All service in Guard/Reserve
			101	2. Some service in Guard/Reserve
			1	3. Unknown if all service in Guard/Reserve
			422	4. No active service in Guard/Reserve
			43	5. Unknown if ever active member in Guard/Reserve or served in Armed Forces
			103	Blank. Under 18 years of age
<b>51-52</b>	<b>L-2</b>			<b>EDUCATION OF INDIVIDUAL - COMPLETED YEARS</b>
			19	00. Never attended; kindergarten only
			1,587	01-12. Grades 1-12
				College:
			186	13. 1 year
			223	14. 2 years
			58	15. 3 years
			190	16. 4 years
			43	17. 5 years
			96	18. 6 years or more
			22	19. Unknown
			12	Blank. Under 5 years of age



## MDI3-8

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
53	Recode		<b>EDUCATION OF INDIVIDUAL RECODE</b>
		19	0. None; kindergarten only
		340	1. 1-8 years (elementary)
		326	2. 9-11 years (high school)
		921	3. 12 years (high school graduate)
		467	4. 1-3 years (college)
		190	5. 4 years (college graduate)
		139	6. 5+ years (post-college)
		22	7. Unknown
		12	Blank. Under 5 years of age
54-55	-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)</b>
		2	00. Never attended; kindergarten only
		1,310	01-12. Grades 1-12
			College:
		218	13. 1 year
		293	14. 2 years
		96	15. 3 years
		287	16. 4 years
		57	17. 5 years
		168	18. 6 years or more
		5	19. Unknown
56	-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER RECODE</b>
		2	0. None; kindergarten only
		181	1. 1-8 years (elementary)
		202	2. 9-11 years (high school)
		927	3. 12 years (high school graduate)
		607	4. 1-3 years (college)
		287	5. 4 years (college graduate)
		225	6. 5+ years (post-college)
		5	7. Unknown

## MDI3-9

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
57	L-8		<b>FAMILY INCOME \$20,000 OR MORE</b>
		1,025	1. Less than \$20,000
		1,370	2. \$20,000 or more
		41	3. Unknown
58-59	L-8		<b>FAMILY INCOME</b>
		5	00. Less than \$1,000
		16	01. \$ 1,000 - \$ 1,999
		23	02. 2,000 - 2,999
		30	03. 3,000 - 3,999
		55	04. 4,000 - 4,999
		41	05. 5,000 - 5,999
		67	06. 6,000 - 6,999
		49	07. 7,000 - 7,999
		33	08. 8,000 - 8,999
		58	09. 9,000 - 9,999
		65	10. 10,000 - 10,999
		45	11. 11,000 - 11,999
		55	12. 12,000 - 12,999
		36	13. 13,000 - 13,999
		52	14. 14,000 - 14,999
		52	15. 15,000 - 15,999
		46	16. 16,000 - 16,999
		49	17. 17,000 - 17,999
		47	18. 18,000 - 18,999
		66	19. 19,000 - 19,999
		236	20. 20,000 - 24,999
		212	21. 25,000 - 29,999
		205	22. 30,000 - 34,999
		120	23. 35,000 - 39,999
		124	24. 40,000 - 44,999
		92	25. 45,000 - 49,999
		256	26. \$50,000 and over
		301	27. Unknown

## MDI3-10

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
60	Recode		<b>FAMILY INCOME RECODE</b>
		129	0. Under \$5,000
		108	1. \$ 5,000 - \$ 6,999
		140	2. 7,000 - 9,999
		253	3. 10,000 - 14,999
		260	4. 15,000 - 19,999
		236	5. 20,000 - 24,999
		417	6. 25,000 - 34,999
		336	7. 35,000 - 49,999
		256	8. \$50,000 or more
		301	9. Unknown
61	Generated		<b>NHIS POVERTY INDEX*</b>
		2,003	1. At or above poverty threshold
		256	2. Below poverty threshold
		177	3. Unknown
62-63			<b>FAMILY RELATIONSHIP</b>
62	A-2		<b>TYPE OF FAMILY</b>
		476	&. Primary individual
		28	-. Secondary individual
		1,930	0. Primary family
		2	1-9. Secondary family
63	A-2		<b>RELATIONSHIP TO REFERENCE PERSON</b>
		446	&. Reference person, living alone
		1,069	0. Reference person, 2+ persons in household
		585	1. Spouse, other spouse NOT in Armed Forces and living at home
		6	2. Spouse, other spouse IN Armed Forces and living at home
		252	3. Child of reference person or spouse
		8	4. Grandchild of reference person or spouse
		32	5. Parent of reference person or spouse
		38	6. Other relative
		-	7. Child of military family with no eligible reference person
		-	9. DK or refused

\*Based on family size, number of children under 18 years of age and family income using the 1987 poverty levels derived from the August, 1988 Current Population Survey.

## MDI3-11

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
64	Recode		<b>FAMILY RELATIONSHIP RECODE</b>
		446	1. Living alone
		58	2. Living only with non-relative
		1,481	3. Living with spouse
		451	4. Living with relative - other
65-66	Generated		<b>SIZE OF FAMILY*</b>
			Unrelated individuals are coded 01
67	Generated		<b>SIZE OF FAMILY RECODE</b>
			1-8. Number of members
			9. 9+ members
68	A-2		<b>PARENT/OTHER ADULT RELATIVE (under 25 years old and never married)</b>
		124	1. Both parents, no other relative
		23	2. Mother only
		6	3. Father only
		19	4. Both parents and other 21+ year old adult relative
		11	5. Mother and other 21+ year old adult relative
		1	6. Father and other 21+ year old adult relative
		3	7. No parent, but one 21+ year old adult relative
		2	8. No parent, but two or more 21+ year old adult relatives
		2	9. Unknown
		36	0. Other
		2,209	Blank. Not applicable (25+ years old or ever married)

\*Count includes spouse in military but living at home.

## MDI3-12

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
69		B-1 B-8		<b>MAJOR ACTIVITY (18+ years old)</b>
			1,193	1. Working
			481	2. Keeping house
			67	3. Going to school
			576	4. Something else
			16	5. Unknown
			103	Blank. Not applicable (Under 18 years)
70		G-4		<b>HEALTH STATUS</b>
			610	1. Excellent
			560	2. Very Good
			655	3. Good
			374	4. Fair
			234	5. Poor
			3	6. Unknown
71		Recode		<b>ACTIVITY LIMITATION STATUS - (all ages)</b>
			422	1. Unable to perform major activity
			386	2. Limited in kind/amount major activity
			290	3. Limited in other activities
			1,338	4. Not limited (includes unknowns)
72		Recode		<b>ACTIVITY LIMITATION STATUS MEASURED BY "ABILITY TO WORK" (18-69 years)</b>
			416	1. Unable to work
			231	2. Limited in kind/amount of work
			170	3. Limited in other activities
			1,100	4. Not limited (includes unknowns)
			519	Blank. Not applicable (under 18 years, 70+ years)

## MDI3-13

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
73	B-11		<b>LIMITATION OF SCHOOL ACTIVITIES (5-17 years)</b>
		5	1. Unable to attend school
		13	2. Attends special school/classes
		1	3. Needs special school/classes
		5	4. Limited in school attendance
		12	5. Limited in other activities
		55	6. Not limited (includes unknowns)
		2,345	Blank. Not applicable (Under 5 years or 18+ years)
74	B-14		<b>NEEDS HELP WITH PERSONAL CARE (5-59 years old and limited, or age 60-69 years)</b>
		62	1. Unable to perform personal care needs
		117	2. Limited in performing other routine needs
		804	3. Not limited in performing personal or routine needs
		4	4. Unknown
		1,449	Blank. Not applicable (Under 5 years; 5-59 years not limited; 70+ years old)
75	D-1		<b>EMPLOYMENT STATUS IN PAST 2 WEEKS (18+ years)</b>
			In the Labor Force: (1-7)
			Currently employed: (1-3)
		1,200	1. Worked in past 2 weeks
		52	2. Did not work, has job; not on lay-off and not looking for work
		3	3. Did not work, has job; looking for work
			Unemployed: (4-7)
		7	4. Did not work, has job; on lay-off
		-	5. Did not work, has job; on lay-off and looking for work
		8	6. Did not work, has job; unknown if looking or on lay-off
		60	7. Did not work, has no job; looking for work or on lay-off
		1,003	Not in Labor Force (18+ years): (8)
		103	Blank. Not applicable (Under 18 years old)

MDI3-14

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
76	L-6		<b>CLASS OF WORKER</b>
		1,003	0. Not in labor force
		934	1. Private company
		39	2. Federal Government employee
		52	3. State Government employee
		87	4. Local Government employee
		36	5. Incorporated business
		160	6. Self-employed
		-	7. Without pay
		1	8. Never worked
		21	9. Unknown
		103	Blank. Under 18
77-79	L-6		<b>INDUSTRY DETAIL CODE</b>
		1,330	010-996. Code number
		1,106	Blank. Not applicable
80-81	Recode		<b>INDUSTRY RECODE 1</b>
			SEE APPENDIX B
82-83	Recode		<b>INDUSTRY RECODE 2</b>
			SEE APPENDIX B
84-86	L-6		<b>OCCUPATION DETAIL CODE</b>
		1,330	003-999. Code number
		1,106	Blank. Not applicable
87-88	Recode		<b>OCCUPATION RECODE 1</b>
			SEE APPENDIX C
89-90	Recode		<b>OCCUPATION RECODE 2</b>
			SEE APPENDIX C

## MDI3-15

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>91</b>	<b>L-R</b>		<b>RESPONDENT</b>
		85	0. Under 17
		1,622	1. Self-entirely
		179	2. Self-partly
		530	3. Proxy
		20	4. Unknown
<b>92</b>	<b>Recode</b>		<b>CONDITION LIST ASSIGNED AND ASKED</b>
		409	1. Condition List 1, Skin and musculoskeletal
		394	2. Condition List 2, Impairments
		391	3. Condition List 3, Digestive
		390	4. Condition List 4, Miscellaneous
		407	5. Condition List 5, Circulatory
		436	6. Condition List 6, Respiratory
		9	7. Unknown
<b>93-94</b>	<b>G-5</b>		<b>HEIGHT WITHOUT SHOES (18+ years)</b>
			36-98. Number of inches
			99. Unknown
			Blank. Under 18 years of age
<b>95-97</b>	<b>G-5</b>		<b>WEIGHT WITHOUT SHOES (18+ years)</b>
			050-500. Number of pounds
			501. Unknown
			Blank. Under 18 years of age
<b>98-99</b>	<b>Recode</b>		<b>TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS</b>
		1,940	00. None
		496	01-14. Days
<b>100-101</b>	<b>D-4</b>		<b>BED DAYS IN PAST TWO WEEKS</b>
		2,141	00. None
		295	01-14. Days



## MDI3-16

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
102-103	D-2		<b>WORK-LOSS DAYS IN PAST TWO WEEKS</b>
		2,308	00. None
		128	01-14. Days
104-105	D-3		<b>SCHOOL-LOSS DAYS IN PAST TWO WEEKS</b>
		2,421	00. None
		15	01-14. Days
106-107	D-6		<b>OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS</b>
		2,192	00. None
		244	01-14. Days
108-110	G-2		<b>BED DAYS IN PAST 12 MONTHS</b>
		1,076	000. None
		1,340	001-365. 1-365 days
		20	366. Unknown
111	Recode		<b>BED DAYS IN PAST 12 MONTHS - Recode</b>
		1,076	0. None
		665	1. 1-7 days
		383	2. 8-30 days
		228	3. 31-180 days
		64	4. 181-365 days
		20	5. Unknown
112-114	G-3		<b>DOCTOR VISITS IN PAST 12 MONTHS</b>
		477	000. None
		1,942	001-996. Visits
		-	997. 997+ visits
		17	998. Unknown

MDI3-17

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
115	G-3		INTERVAL SINCE LAST DOCTOR VISIT
		-	0. Never
		1,985	1. Less than 1 year
		183	2. 1 to less than 2 years
		174	3. 2 to less than 5 years
		78	4. 5 years or more
		16	5. Unknown
116-117	Generated		NUMBER OF CONDITIONS
118-119	Generated		NUMBER OF ACUTE INCIDENCE CONDITIONS
120-121	Generated		NUMBER OF TWO-WEEK DOCTOR VISITS
122-123	Generated		NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
124-126	Generated		SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
127-128	Generated		NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS EXCLUDING DELIVERY*
129-131	Generated		SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS EXCLUDING DELIVERY*
132-133	Generated		NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS
134-136	Generated		NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS
137-138	Generated		NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*

\*Based on Operation codes and reason entered hospital.

## MDI3-18

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

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*
142-171	-		BLANK
172-177	-		QUARTER BASIC WEIGHT BEFORE AGE-SEX-RACE ADJUSTMENT (has one implied decimal)
178	Master Record		TYPE OF SUBSTRATUM
		231	0. Permit
		161	1. Area, oversampled for blacks
		2,044	2. Area, not oversampled for blacks
179-181			FULL SAMPLE STRATUM IDENTIFIER
182	Master Record		REGION
		383	1. Northeast
		696	2. Midwest
		810	3. South
		547	4. West
183	Master Record		GEOGRAPHIC DISTRIBUTION
			1-4. MSA Size
		857	1. 1,000,000 or more
		646	2. 250,000 - 999,999
		172	3. 100,000 - 249,999
		65	4. Under 100,000
		696	Blank. Non-MSA
184			BLANK
185	Master Record		TYPE OF PSU
		1,136	1. MSA - Self-representing
		604	3. MSA - Nonself-representing
		-	4. Non-MSA - Self-representing
		696	6. Non-MSA - Nonself-representing

\*Based on Operation codes and reason entered hospital.

## MDI3-19

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
186	Recode		MSA - NON-MSA RESIDENCE
		711	1. MSA - Central City
		1,029	2. MSA - Not Central City
		661	3. Non-MSA - Nonfarm
		35	4. Non-MSA - Farm
187-189			PSEUDO PSU CODES
190-200			CHRONIC CONDITION PREVALENCE AND INCIDENCE FACTOR (XX.XXXXXXXXXX) - character format with implied decimal
			FINAL BASIC WEIGHT
201-209			QUARTER
210-218			SEMI-ANNUAL (WT/2)
219-227			ANNUAL (WT/4)
			6.5 WEIGHT
228-236			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED RESTRICTED ACTIVITY DAYS IN PAST 2 WEEKS
237-245			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED BED DAYS IN PAST 2 WEEKS
246-254			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED WORK-LOSS DAYS IN PAST 2 WEEKS
255-263			QUARTER, SEMI-ANNUAL AND ANNUAL

MDI3-20

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
264-272			ESTIMATED SCHOOL-LOSS DAYS IN PAST 2 WEEKS QUARTER, SEMI-ANNUAL AND ANNUAL
273-281			ESTIMATED DOCTOR VISITS IN PAST 12 MONTHS QUARTER
282-290			SEMI-ANNUAL
291-299			ANNUAL
300-308			ESTIMATED SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS QUARTER
309-317			SEMI-ANNUAL
318-326			ANNUAL
327-335			ANNUAL ESTIMATED NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
336	Generated	2,176 260	IS THIS FIRST FIXATION DEVICE RECORD? 1. Yes 2. No
337	Generated	2,436	NUMBER OF BODY PARTS WITH FIXATION DEVICES 1-9. Number of Body parts

## MDI3-21

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
(338-345)	1a		<b>PART OF BODY IMPLANT LOCATED</b>
338-339			<b>FIRST BODY PART</b>
		36	01. Skull
		44	02. Face
		92	03. Jaw
		7	04. Clavicle
		43	05. Sternum
		18	06. Ribs
		51	07. Back spine/vertebrae
		12	08. Back spine/vertebrae - upper
		11	09. Back spine/vertebrae - middle
		32	10. Back spine/vertebrae - lower
		91	11. Shoulder, left or right
		52	12. Arm, left or right
		28	13. Arm, upper, left or right
		49	14. Arm, lower, left or right
		58	15. Elbow, left or right
		51	16. Wrist, left or right
		18	17. Hand, left or right
		39	18. Fingers, left or right
		9	19. Pelvis
		279	20. Hip, left or right
		82	21. Leg, left or right
		71	22. Leg, upper left or right
		89	23. Leg, lower, left or right
		248	24. Knee, left or right
		62	25. Foot, left or right
		290	26. Ankle, left or right
		35	27. Toes, left or right
		270	88. Other body parts
		9	99. Unknown
		260	Blank.

## MDI3-22

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
340-341	1a		<b>SECOND BODY PART</b>
		-	01. Skull
		1	02. Face
		3	03. Jaw
		-	04. Clavicle
		-	05. Sternum
		1	06. Ribs
		1	07. Back spine/vertebrae
		-	08. Back spine/vertebrae - upper
		1	09. Back spine/vertebrae - middle
		2	10. Back spine/vertebrae - lower
		2	11. Shoulder, left or right
		3	12. Arm, left or right
		-	13. Arm, upper, left or right
		-	14. Arm, lower, left or right
		2	15. Elbow, left or right
		2	16. Wrist, left or right
		3	17. Hand, left or right
		1	18. Fingers, left or right
		-	19. Pelvis
		7	20. Hip, left or right
		10	21. Leg, left or right
		13	22. Leg, upper left or right
		8	23. Leg, lower, left or right
		17	24. Knee, left or right
		2	25. Foot, left or right
		27	26. Ankle, left or right
		1	27. Toes, left or right
		22	88. Other body parts
		-	99. Unknown
		2,307	Blank.

MDI3-24

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape	Locations	Item No.	Frequency	Items and Codes
342-343		1a		<b>THIRD BODY PART</b>
			-	01. Skull
			-	02. Face
			-	03. Jaw
			-	04. Clavicle
			-	05. Sternum
			-	06. Ribs
			-	07. Back spine/vertebrae
			-	08. Back spine/vertebrae - upper
			-	09. Back spine/vertebrae - middle
			-	10. Back spine/vertebrae - lower
			-	11. Shoulder, left or right
			1	12. Arm, left or right
			1	13. Arm, upper, left or right
			-	14. Arm, lower, left or right
			-	15. Elbow, left or right
			-	16. Wrist, left or right
			1	17. Hand, left or right
			-	18. Fingers, left or right
			-	19. Pelvis
			-	20. Hip, left or right
			1	21. Leg, left or right
			-	22. Leg, upper left or right
			2	23. Leg, lower, left or right
			4	24. Knee, left or right
			2	25. Foot, left or right
			3	26. Ankle, left or right
			-	27. Toes, left or right
			2	88. Other body parts
			-	99. Unknown
			2,419	Blank.



## MDI3-25

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape	Locations	Item No.	Frequency	Items and Codes
344-345		1a		<b>FOURTH BODY PART</b>
			-	01. Skull
			-	02. Face
			-	03. Jaw
			-	04. Clavicle
			-	05. Sternum
			-	06. Ribs
			-	07. Back spine/vertebrae
			-	08. Back spine/vertebrae - upper
			-	09. Back spine/vertebrae - middle
			-	10. Back spine/vertebrae - lower
			-	11. Shoulder, left or right
			-	12. Arm, left or right
			-	13. Arm, upper, left or right
			-	14. Arm, lower, left or right
			-	15. Elbow, left or right
			-	16. Wrist, left or right
			-	17. Hand, left or right
			-	18. Fingers, left or right
			-	19. Pelvis
			-	20. Hip, left or right
			-	21. Leg, left or right
			-	22. Leg, upper left or right
			-	23. Leg, lower, left or right
			1	24. Knee, left or right
			-	25. Foot, left or right
			1	26. Ankle, left or right
			-	27. Toes, left or right
			1	88. Other body parts
			-	99. Unknown
			2,433	Blank.

MDI3-26

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
346-347		Check Item 7		<b>PART OF BODY FOR IMPLANT THAT REMAINING ITEMS REFER TO</b>
			36	01. Skull
			45	02. Face
			95	03. Jaw
			7	04. Clavicle
			43	05. Sternum
			19	06. Ribs
			52	07. Back spine/vertebrae
			12	08. Back spine/vertebrae - upper
			12	09. Back spine/vertebrae - middle
			34	10. Back spine/vertebrae - lower
			93	11. Shoulder, left or right
			57	12. Arm, left or right
			29	13. Arm, upper, left or right
			50	14. Arm, lower, left or right
			60	15. Elbow, left or right
			55	16. Wrist, left or right
			22	17. Hand, left or right
			43	18. Fingers, left or right
			9	19. Pelvis
310	20. Hip, left or right			
101	21. Leg, left or right			
85	22. Leg, upper left or right			
101	23. Leg, lower, left or right			
287	24. Knee, left or right			
80	25. Foot, left or right			
329	26. Ankle, left or right			
47	27. Toes, left or right			
314	88. Other body parts			
9	99. Unknown			
-	Blank.			
348		2a		<b>EVER HAD SURGERY TO REPLACE/ REPAIR IMPLANT</b>
			127	1. Yes
			2,262	2. No
			47	9. Unknown

## MDI3-27

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
349-350	2b		<b>NUMBER OF TIMES HAD REPLACEMENT/ REPAIR SURGERY</b>
		123	01-09. 1-9 times
		2	10. 10+ times
		2	99. Unknown
		2,309	Blank. Not applicable
(351-363)	2c,2d		<b>REASON FOR LAST REPLACEMENT/ REPAIR SURGERY</b>
351	2c		<b>NORMAL GROWTH</b>
		10	1. Yes
		113	2. No.
		4	9. Unknown
		2,309	Blank. Not applicable
352	2c		<b>BREAKAGE OR DEFECT</b>
		35	1. Yes
		88	2. No.
		4	9. Unknown
		2,309	Blank. Not applicable
353	2d		<b>WHEN FIRST NOTICED BREAKAGE OR DEFECT</b>
		4	1. Less than 30 days
		4	2. 30-90 days
		25	3. More than 90 days
		2	9. Unknown
		2,401	Blank. Not applicable
354	2c		<b>HEALING PROBLEM</b>
		11	1. Yes
		112	2. No
		4	9. Unknown
		2,309	Blank. Not applicable

## MDI3-28

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
355	2d		<b>WHEN FIRST NOTICED HEALING PROBLEM</b>
		2	1. Less than 30 days
		1	2. 30-90 days
		8	3. More than 90 days
		-	9. Unknown
		2,425	Blank. Not applicable
356	2c		<b>INFECTION</b>
		11	1. Yes
		112	2. No.
		4	9. Unknown
		2,309	Blank. Not applicable
357	2d		<b>WHEN FIRST NOTICED INFECTION</b>
		5	1. Less than 30 days
		1	2. 30-90 days
		5	3. More than 90 days
		-	9. Unknown
		2,425	Blank. Not applicable
358	2c		<b>PAIN OR IRRITATION</b>
		14	1. Yes
		109	2. No.
		4	9. Unknown
		2,309	Blank. Not applicable
359	2d		<b>WHEN FIRST NOTICED PAIN OR IRRITATION</b>
		1	1. Less than 30 days
		1	2. 30-90 days
		11	3. More than 90 days
		1	9. Unknown
		2,422	Blank. Not applicable

## MDI3-29

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
360	2c		<b>LOOSENING</b>
		25	1. Yes
		98	2. No.
		4	9. Unknown
		2,309	Blank. Not applicable
361	2d		<b>WHEN FIRST NOTICED LOOSENING</b>
		2	1. Less than 30 days
		7	2. 30-90 days
		13	3. More than 90 days
		3	9. Unknown
		2,411	Blank. Not applicable
362	2c		<b>SOME OTHER REASON</b>
		42	1. Yes
		81	2. No.
		4	9. Unknown
		2,309	Blank. Not applicable
363	2d		<b>WHEN FIRST NOTICED OTHER REASON</b>
		3	1. Less than 30 days
		6	2. 30-90 days
		29	3. More than 90 days
		4	9. Unknown
		2,394	Blank. Not applicable
364-365	3a/Recode		<b>LENGTH OF TIME SINCE MOST RECENT REPAIR/REPLACEMENT SURGERY*</b>
		94	01-49. 1-49 years
		17	97. Less than 6 months
		5	98. 6-11 months
		11	99. Unknown
		2,309	Blank. Repair/replacement surgery not reported

## MDI3-30

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape	Locations	Item No.	Frequency	Items and Codes
(366-369)		3b/Recode		<b>MONTH AND YEAR LAST REPAIR/REPLACEMENT SURGERY*</b>
366-367				<b>MONTH</b>
			2	00. Before 1968 (year unknown)
			6	01. January
			8	02. February
			6	03. March
			5	04. April
			3	05. May
			5	06. June
			2	07. July
			13	08. August
			8	09. September
			12	10. October
			5	11. November
			7	12. December
			7	98. 1968 or later (year unknown)
			38	99. DK or Refused
			2,309	Blank. Repair/replacement surgery not reported
368-369				<b>YEAR</b>
			2	00. Before 1968 (year unknown)
			107	01-89. 1901-1989
			7	98. 1968 or later (year unknown)
			11	99. Unknown
			2,309	Blank. Repair/replacement surgery not reported

\*Loc. 364-369 (after editing) only includes times of replacement or repair surgery for implant. These fields are completed only for persons that had an implant repaired or replaced.

## MDI3-31

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
(370-386)	(4a-m)	(pgs. 14 & 15)		<b>SINCE SURGERY/LAST SURGERY FOR CURRENT IMPLANT HAVE ANY OF FOLLOWING COMPLICATIONS/PROBLEMS</b>
370	4a		115 2,259 62	<b>INFECTION</b> 1. Yes 2. No. 9. Unknown
371	4b		60 16 37 2 2,321	<b>LENGTH OF TIME AFTER SURGERY WHEN INFECTION NOTICED</b> 1. Less than 30 days 2. 30-90 days 3. More than 90 days 9. Unknown Blank. Not applicable
372	4c		126 2,233 77	<b>HEALING PROBLEM</b> 1. Yes 2. No. 9. Unknown
373	4d		65 21 36 4 2,310	<b>LENGTH OF TIME AFTER SURGERY WHEN HEALING PROBLEM NOTICED</b> 1. Less than 30 days 2. 30-90 days 3. More than 90 days 9. Unknown Blank. Not applicable
374	4e		577 1,799 60	<b>PAIN OTHER THAN GENERAL SURGERY DISCOMFORT</b> 1. Yes 2. No. 9. Unknown

## MDI3-32

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
375	4f		<b>LENGTH OF TIME AFTER SURGERY WHEN PAIN NOTICED</b>
		257	1. Less than 30 days
		63	2. 30-90 days
		243	3. More than 90 days
		14	9. Unknown
		1,859	Blank. Not applicable
376	4g		<b>LOOSENING</b>
		76	1. Yes
		2,202	2. No.
		158	9. Unknown
377	4h		<b>LENGTH OF TIME AFTER SURGERY WHEN LOOSENING NOTICED</b>
		9	1. Less than 30 days
		8	2. 30-90 days
		59	3. More than 90 days
		-	9. Unknown
		2,360	Blank. Not applicable
378	4i		<b>OTHER PROBLEMS SUCH AS BREAKING/ WEARING OUT</b>
		61	1. Yes
		2,285	2. No.
		90	9. Unknown
379	4j		<b>LENGTH OF TIME AFTER SURGERY WHEN BREAKING/WEARING FIRST NOTICED</b>
		11	1. Less than 30 days
		7	2. 30-90 days
		39	3. More than 90 days
		4	9. Unknown
		2,375	Blank. Not applicable



## MDI3-33

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
380	4k		<b>ANY OTHER PROBLEMS/COMPLICATIONS</b>
		234	1. Yes
		2,123	2. No.
		79	9. Unknown
381	4l		<b>FIRST PROBLEM</b>
		234	1. First problem
		2,202	Blank. Not applicable
382	4m		<b>LENGTH OF TIME AFTER SURGERY WHEN FIRST PROBLEM NOTICED</b>
		75	1. Less than 30 days
		34	2. 30-90 days
		112	3. More than 90 days
		13	9. Unknown
		2,202	Blank. Not applicable
383	4l		<b>SECOND PROBLEM</b>
		38	2. Second problem
		2,398	Blank. No 2nd problem specified; not applicable
384	4m		<b>LENGTH OF TIME AFTER SURGERY WHEN SECOND PROBLEM NOTICED</b>
		11	1. Less than 30 days
		8	2. 30-90 days
		17	3. More than 90 days
		2	9. Unknown
		2,398	Blank. Not applicable
385	4l		<b>THIRD PROBLEM</b>
		9	3. Third problem
		2,427	Blank. No 3rd problem specified; not applicable

MDI3-34

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
386	4m		<b>LENGTH OF TIME AFTER SURGERY WHEN THIRD PROBLEM NOTICED</b>
		3	1. Less than 30 days
		-	2. 30-90 days
		6	3. More than 90 days
		-	9. Unknown
		2,427	Blank. Not applicable
(387-391)	5a (pgs. 16 & 17)		<b>REASON(S) NEEDED ORIGINAL IMPLANT</b>
387			<b>INJURY</b>
		1,660	1. Yes
		718	2. No
		58	9. Unknown
388			<b>DEFORMITY</b>
		139	1. Yes
		2,239	2. No
		58	9. Unknown
389			<b>INFECTION</b>
		10	1. Yes
		2,368	2. No
		58	9. Unknown
390			<b>CANCER</b>
		19	1. Yes
		2,359	2. No
		58	9. Unknown
391			<b>SOME OTHER REASON</b>
		583	1. Yes
		1,795	2. No
		58	9. Unknown

MDI3-35

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
392-393	5b		<b>LENGTH OF TIME SINCE ORIGINAL IMPLANT</b>
		1,979	01-69. 1-69 years
		149	97. Less than 6 months
		140	98. 6-11 months
		168	99. Unknown
(394-397)	5c		<b>MONTH AND YEAR RECEIVED FIRST IMPLANT</b>
394-395			<b>MONTH</b>
		38	00. Before 1968 (year unknown)
		167	01. January
		134	02. February
		142	03. March
		119	04. April
		147	05. May
		166	06. June
		191	07. July
		159	08. August
		136	09. September
		141	10. October
		163	11. November
		122	12. December
		74	98. 1968 or later (year unknown)
		537	99. DK or Refused
396-397			<b>YEAR</b>
		38	00. Before 1968 (year unknown)
		2,122	01-89. 1901-1989
		74	98. 1968 or later (year unknown)
		202	99. Unknown

## MDI3-36

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (FIXATION DEVICE)

Tape Locations	Item No.	Frequency	Items and Codes
398	Check Item 8		<b>RESPONDENT</b>
		1,612	1. Self - personal
		294	2. Self - telephone
		345	3. Proxy - personal
		116	4. Proxy - telephone
		4	5. Proxy - method unknown
		65	9. Respondent unknown
399-400	Check Item 8		<b>PROXY'S RELATIONSHIP TO PERSON WITH IMPLANT</b>
		245	01. Spouse
		26	02. Father
		111	03. Mother
		3	04. Brother
		3	05. Sister
		7	06. Son
		25	07. Daughter
		-	08. Aunt
		-	09. Uncle
		6	10. Grandmother (Great)
		-	11. Grandfather (Great)
		-	12. Grandson
		-	13. Granddaughter
		15	14. Not related
		-	15. DK if related
		7	88. Other relative
		17	99. Relationship unknown
		1,971	Blank. Not applicable
401-410			<b>BLANK</b>

MDI4-1

NHIS PUBLIC USE TAPE RECORDS  
 Outline of Items and Codes  
 Number of Records - 151  
 1988 Medical Device Implant Record  
 Artificial Heart Valve

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-		<b>RECORD TYPE</b>
		151	63. Medical Device (Artificial Heart Valve)
3-4	-		<b>PROCESSING YEAR</b>
		151	88. 1988
5	-		<b>PROCESSING QUARTER</b>
		37	1. Quarter 1
		48	2. Quarter 2
		35	3. Quarter 3
		31	4. Quarter 4
6-8	HH-5		<b>RANDOM RECODE OF PSU NUMBER</b>
9-10	HH-5		<b>WEEK - CENSUS CODE*</b>
			01, 21, 41, 61, 81 ... Week 01
			02, 22, 42, 62, 82 ... Week 02
			03, 23, 43, 63, 83 ... Week 03
			04, 24, 44, 64, 84 ... Week 04
			05, 25, 45, 65, 85 ... Week 05
			06, 26, 46, 66, 86 ... Week 06
			07, 27, 47, 67, 87 ... Week 07
			08, 28, 48, 68, 88 ... Week 08
			09, 29, 49, 69, 89 ... Week 09
			10, 30, 50, 70, 90 ... Week 10
			11, 31, 51, 71, 91 ... Week 11
			12, 32, 52, 72, 92 ... Week 12
			13, 33, 53, 73, 93 ... 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.

MDI4-2

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes																										
11-12	HH-5		<p><b>SEGMENT NUMBER</b></p> <p>Week plus Segment Number identifies the segment</p>																										
13-14	HH-5		<p><b>HOUSEHOLD NUMBER</b></p> <p>Numbered within PSU-Week-Segment</p>																										
15-16	-		<p><b>PERSON NUMBER</b></p>																										
17-18	-		<p><b>RECORD SERIAL NUMBER</b></p>																										
19-20	HH-5		<p><b>PROCESSING WEEK CODE</b> (Numbered within Quarter)</p> <table> <tr><td>7</td><td>01. Week 1</td></tr> <tr><td>7</td><td>02. Week 2</td></tr> <tr><td>13</td><td>03. Week 3</td></tr> <tr><td>13</td><td>04. Week 4</td></tr> <tr><td>17</td><td>05. Week 5</td></tr> <tr><td>7</td><td>06. Week 6</td></tr> <tr><td>6</td><td>07. Week 7</td></tr> <tr><td>20</td><td>08. Week 8</td></tr> <tr><td>12</td><td>09. Week 9</td></tr> <tr><td>14</td><td>10. Week 10</td></tr> <tr><td>4</td><td>11. Week 11</td></tr> <tr><td>7</td><td>12. Week 12</td></tr> <tr><td>24</td><td>13. Week 13</td></tr> </table>	7	01. Week 1	7	02. Week 2	13	03. Week 3	13	04. Week 4	17	05. Week 5	7	06. Week 6	6	07. Week 7	20	08. Week 8	12	09. Week 9	14	10. Week 10	4	11. Week 11	7	12. Week 12	24	13. Week 13
7	01. Week 1																												
7	02. Week 2																												
13	03. Week 3																												
13	04. Week 4																												
17	05. Week 5																												
7	06. Week 6																												
6	07. Week 7																												
20	08. Week 8																												
12	09. Week 9																												
14	10. Week 10																												
4	11. Week 11																												
7	12. Week 12																												
24	13. Week 13																												
21	-		<p><b>BLANK</b></p>																										

MDI4-3

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
22-23	HH-10c,d		<b>TYPE OF LIVING QUARTERS:</b>
			Housing Unit = (00-07)
		3	00. Housing unit; kind unknown
		138	01. House, apartment, flat
		-	02. HU in nontransient hotel, motel, etc.
		-	03. HU-permanent in transient hotel, motel, etc.
		-	04. HU in rooming house
		8	05. Mobile home or trailer with no permanent room added
		2	06. Mobile home or trailer with one or more permanent rooms added
		-	07. HU not specified above
			Other Unit = (08-13)
		-	08. Quarters not HU in rooming or boarding house
		-	09. Unit not permanent in transient hotel, motel, etc.
		-	10. Unoccupied site for mobile home, trailer, or tent
		-	11. Student quarters in college dormitory
		-	12. Other unit not specified above
		-	13. Other unit; kind unknown
24	HH-11		<b>HAS TELEPHONE</b>
		138	1. Yes, phone number given
		6	2. Yes, no phone number given
		3	3. No
		4	4. Unknown
25	A-1		<b>SEX</b>
		78	1. Male
		73	2. Female
26	-		<b>BLANK</b>

MDI4-4

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
27-28	Person Column		<b>AGE</b>
		-	00. Under 1 year
		151	01-98. Number of years
		-	99. 99+ years of age
29	Recode		<b>AGE RECODE #1</b>
		1	1. Under 5 years
		5	2. 5-17 years
		4	3. 18-24 years
		16	4. 25-44 years
		49	5. 45-64 years
		19	6. 65-69 years
		25	7. 70-74 years
		32	8. 75 years and over
30	Recode		<b>AGE RECODE #2</b>
		1	1. Under 6 years
		5	2. 6-16 years
		4	3. 17-24 years
		-	4. 25-34 years
		16	5. 35-44 years
		22	6. 45-54 years
		27	7. 55-64 years
		44	8. 65-74 years
		32	9. 75 years and over
31-32	Recode		<b>AGE RECODE #3</b>
		-	00-35. Months
		151	36. Over 3 years
33	-		<b>BLANK</b>



MDI4-5

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

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. DK or refused
			07. July
36-39			YEAR OF BIRTH
			1800-1899. 1800-1899
			1900-1989. 1900-1989
			9999. DK or refused
40-41			BLANK
42	L-3		MAIN RACIAL BACKGROUND - Reported
		1	1. Aleut, Eskimo, or American Indian
		-	2. Asian/Pacific Islander
		22	3. Black
		128	4. White
		-	5. Other
		-	6. Multiple race
		-	7. Unknown

## MDI4-6

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

<b>Tape</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>43-45</b>	<b>Recode</b>		<b>RACE RECODES</b>
<b>43</b>			<b>RECODE 1</b>
		128	1. White
		22	2. Black
		1	3. Other
<b>44</b>			<b>RECODE 2</b>
		128	1. White
		23	2. Non-white
<b>45</b>			<b>RECODE 3</b>
		22	1. Black
		129	2. Non-black
<b>46-47</b>	<b>L-4</b>		<b>HISPANIC ORIGIN</b>
		-	00. Multiple Hispanic
		-	01. Puerto Rican
		-	02. Cuban
		-	03. Mexican-Mexicano
		-	04. Mexican-American
		-	05. Chicano
		-	06. Other Latin American
		1	07. Other Spanish
		-	08. Spanish, DK type
		-	09. Unknown if Spanish origin
		150	10. Not Spanish origin
<b>48</b>	<b>L-7</b>		<b>MARITAL STATUS</b>
		6	0. Under 14 years
		93	1. Married - spouse in household
		2	2. Married - spouse not in household
		33	3. Widowed
		4	4. Divorced
		5	5. Separated
		8	6. Never married
		-	7. Unknown

## MDI4-7

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
49	L-1		<b>VETERAN STATUS</b>
		103	1. Non-veteran
		-	2. WW I
		16	3. WW II
		7	4. Korean War
		9	5. Vietnam veteran
		-	6. Post-Vietnam
		8	7. Other service
		-	8. Served in Armed Forces, unknown if war veteran
		2	9. Unknown if served in Armed Forces
		6	Blank. Under 18 years of age
50	L-1		<b>ACTIVE GUARD/RESERVE STATUS FOR PERSONS ON ACTIVE DUTY IN ARMED FORCES</b>
		103	0. Non-veteran
		1	1. All service in Guard/Reserve
		6	2. Some service in Guard/Reserve
		-	3. Unknown if all service in Guard/Reserve
		31	4. No active service in Guard/Reserve
		4	5. Unknown if ever active member in Guard/Reserve or served in Armed Forces
		6	Blank. Under 18 years of age
51-52	L-2		<b>EDUCATION OF INDIVIDUAL - COMPLETED YEARS</b>
		-	00. Never attended; kindergarten only
		117	01-12. Grades 1-12
			College:
		8	13. 1 year
		12	14. 2 years
		1	15. 3 years
		4	16. 4 years
		4	17. 5 years
		2	18. 6 years or more
		2	19. Unknown
		1	Blank. Under 5 years of age

## MDI4-8

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
53	Recode		<b>EDUCATION OF INDIVIDUAL RECODE</b>
		-	0. None; kindergarten only
		28	1. 1-8 years (elementary)
		27	2. 9-11 years (high school)
		62	3. 12 years (high school graduate)
		21	4. 1-3 years (college)
		4	5. 4 years (college graduate)
		6	6. 5+ years (post-college)
		2	7. Unknown
		1	Blank. Under 5 years of age
54-55	-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)</b>
		-	00. Never attended; kindergarten only
		101	01-12. Grades 1-12
			College:
		11	13. 1 year
		16	14. 2 years
		1	15. 3 years
		9	16. 4 years
		2	17. 5 years
		10	18. 6 years or more
		1	19. Unknown
56	-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER RECODE</b>
		-	0. None; kindergarten only
		11	1. 1-8 years (elementary)
		26	2. 9-11 years (high school)
		64	3. 12 years (high school graduate)
		28	4. 1-3 years (college)
		9	5. 4 years (college graduate)
		12	6. 5+ years (post-college)
		1	7. Unknown

## MDI4-9

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
57	L-8		<b>FAMILY INCOME \$20,000 OR MORE</b>
		70	1. Less than \$20,000
		75	2. \$20,000 or more
		6	3. Unknown
58-59	L-8		<b>FAMILY INCOME</b>
		-	00. Less than \$1,000
		1	01. \$ 1,000 - \$ 1,999
		-	02. 2,000 - 2,999
		-	03. 3,000 - 3,999
		4	04. 4,000 - 4,999
		3	05. 5,000 - 5,999
		4	06. 6,000 - 6,999
		3	07. 7,000 - 7,999
		-	08. 8,000 - 8,999
		3	09. 9,000 - 9,999
		3	10. 10,000 - 10,999
		6	11. 11,000 - 11,999
		1	12. 12,000 - 12,999
		1	13. 13,000 - 13,999
		5	14. 14,000 - 14,999
		4	15. 15,000 - 15,999
		2	16. 16,000 - 16,999
		5	17. 17,000 - 17,999
		4	18. 18,000 - 18,999
		3	19. 19,000 - 19,999
		14	20. 20,000 - 24,999
		12	21. 25,000 - 29,999
		9	22. 30,000 - 34,999
		11	23. 35,000 - 39,999
		4	24. 40,000 - 44,999
		3	25. 45,000 - 49,999
		16	26. \$50,000 and over
		30	27. Unknown

## MDI4-10

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
60	Recode		<b>FAMILY INCOME RECODE</b>
		5	0. Under \$5,000
		7	1. \$ 5,000 - \$ 6,999
		6	2. 7,000 - 9,999
		16	3. 10,000 - 14,999
		18	4. 15,000 - 19,999
		14	5. 20,000 - 24,999
		21	6. 25,000 - 34,999
		18	7. 35,000 - 49,999
		16	8. \$50,000 or more
		30	9. Unknown
61	Generated		<b>NHIS POVERTY INDEX*</b>
		114	1. At or above poverty threshold
		13	2. Below poverty threshold
		24	3. Unknown
62-63			<b>FAMILY RELATIONSHIP</b>
62	A-2		<b>TYPE OF FAMILY</b>
		29	&. Primary individual
		-	-. Secondary individual
		122	0. Primary family
		-	1-9. Secondary family
63	A-2		<b>RELATIONSHIP TO REFERENCE PERSON</b>
		29	&. Reference person, living alone
		64	0. Reference person, 2+ persons in household
		41	1. Spouse, other spouse NOT in Armed Forces and living at home
		-	2. Spouse, other spouse IN Armed Forces and living at home
		7	3. Child of reference person or spouse
		-	4. Grandchild of reference person or spouse
		7	5. Parent of reference person or spouse
		3	6. Other relative
		-	7. Child of military family with no eligible reference person
		-	9. DK or refused

\*Based on family size, number of children under 18 years of age and family income using the 1987 poverty levels derived from the August, 1988 Current Population Survey.

## MDI4-11

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
64	Recode		<b>FAMILY RELATIONSHIP RECODE</b>
		29	1. Living alone
		-	2. Living only with non-relative
		93	3. Living with spouse
		29	4. Living with relative - other
65-66	Generated		<b>SIZE OF FAMILY*</b>
			Unrelated individuals are coded 01
67	Generated		<b>SIZE OF FAMILY RECODE</b>
			1-8. Number of members
			9. 9+ members
68	A-2		<b>PARENT/OTHER ADULT RELATIVE (under 25 years old and never married)</b>
		5	1. Both parents, no other relative
		-	2. Mother only
		-	3. Father only
		-	4. Both parents and other 21+ year old adult relative
		1	5. Mother and other 21+ year old adult relative
		-	6. Father and other 21+ year old adult relative
		-	7. No parent, but one 21+ year old adult relative
		-	8. No parent, but two or more 21+ year old adult relatives
		-	9. Unknown
		1	0. Other
		144	Blank. Not applicable (25+ years old or ever married)

\*Count includes spouse in military but living at home.

## MDI4-12

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
69		B-1 B-8		<b>MAJOR ACTIVITY (18+ years old)</b>
			42	1. Working
			42	2. Keeping house
			1	3. Going to school
			58	4. Something else
			2	5. Unknown
			6	Blank. Not applicable (Under 18 years)
70		G-4		<b>HEALTH STATUS</b>
			10	1. Excellent
			18	2. Very Good
			56	3. Good
			32	4. Fair
			35	5. Poor
			-	6. Unknown
71		Recode		<b>ACTIVITY LIMITATION STATUS - (all ages)</b>
			35	1. Unable to perform major activity
			39	2. Limited in kind/amount major activity
			28	3. Limited in other activities
			49	4. Not limited (includes unknowns)
72		Recode		<b>ACTIVITY LIMITATION STATUS MEASURED BY "ABILITY TO WORK" (18-69 years)</b>
			42	1. Unable to work
			17	2. Limited in kind/amount of work
			6	3. Limited in other activities
			23	4. Not limited (includes unknowns)
			63	Blank. Not applicable (under 18 years, 70+ years)



## MDI4-13

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
73	B-11		<b>LIMITATION OF SCHOOL ACTIVITIES (5-17 years)</b>
		-	1. Unable to attend school
		-	2. Attends special school/classes
		-	3. Needs special school/classes
		1	4. Limited in school attendance
		2	5. Limited in other activities
		2	6. Not limited (includes unknowns)
		146	Blank. Not applicable (Under 5 years or 18+ years)
74	B-14		<b>NEEDS HELP WITH PERSONAL CARE (5-59 years old and limited, or age 60-69 years)</b>
		6	1. Unable to perform personal care needs
		9	2. Limited in performing other routine needs
		61	3. Not limited in performing personal or routine needs
		-	4. Unknown
		75	Blank. Not applicable (Under 5 years; 5-59 years not limited; 70+ years old)
75	D-1		<b>EMPLOYMENT STATUS IN PAST 2 WEEKS (18+ years)</b>
			In the Labor Force: (1-7)
			Currently employed: (1-3)
		37	1. Worked in past 2 weeks
		2	2. Did not work, has job; not on lay-off and not looking for work
		-	3. Did not work, has job; looking for work
			Unemployed: (4-7)
		-	4. Did not work, has job; on lay-off
		-	5. Did not work, has job; on lay-off and looking for work
		-	6. Did not work, has job; unknown if looking or on lay-off
		1	7. Did not work, has no job; looking for work or on lay-off
		105	Not in Labor Force (18+ years): (8)
		6	Blank. Not applicable (Under 18 years old)

MDI4-14

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
76	L-6		<b>CLASS OF WORKER</b>
		105	0. Not in labor force
		26	1. Private company
		2	2. Federal Government employee
		4	3. State Government employee
		4	4. Local Government employee
		2	5. Incorporated business
		2	6. Self-employed
		-	7. Without pay
		-	8. Never worked
		-	9. Unknown
		6	Blank. Under 18
77-79	L-6		<b>INDUSTRY DETAIL CODE</b>
		40	010-996. Code number
		111	Blank. Not applicable
80-81	Recode		<b>INDUSTRY RECODE 1</b>
			SEE APPENDIX B
82-83	Recode		<b>INDUSTRY RECODE 2</b>
			SEE APPENDIX B
84-86	L-6		<b>OCCUPATION DETAIL CODE</b>
		40	003-999. Code number
		111	Blank. Not applicable
87-88	Recode		<b>OCCUPATION RECODE 1</b>
			SEE APPENDIX C
89-90	Recode		<b>OCCUPATION RECODE 2</b>
			SEE APPENDIX C

## MDI4-15

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
91	L-R		<b>RESPONDENT</b>
		6	0. Under 17
		112	1. Self-entirely
		12	2. Self-partly
		20	3. Proxy
		1	4. Unknown
92	Recode		<b>CONDITION LIST ASSIGNED AND ASKED</b>
		28	1. Condition List 1, Skin and musculoskeletal
		22	2. Condition List 2, Impairments
		20	3. Condition List 3, Digestive
		32	4. Condition List 4, Miscellaneous
		33	5. Condition List 5, Circulatory
		16	6. Condition List 6, Respiratory
		-	7. Unknown
93-94	G-5		<b>HEIGHT WITHOUT SHOES (18+ years)</b>
			36-98. Number of inches
			99. Unknown
			Blank. Under 18 years of age
95-97	G-5		<b>WEIGHT WITHOUT SHOES (18+ years)</b>
			050-500. Number of pounds
			501. Unknown
			Blank. Under 18 years of age
98-99	Recode		<b>TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS</b>
		112	00. None
		39	01-14. Days
100-101	D-4		<b>BED DAYS IN PAST TWO WEEKS</b>
		129	00. None
		22	01-14. Days

## MDI4-16

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
102-103	D-2		<b>WORK-LOSS DAYS IN PAST TWO WEEKS</b>
		144	00. None
		7	01-14. Days
104-105	D-3		<b>SCHOOL-LOSS DAYS IN PAST TWO WEEKS</b>
		150	00. None
		1	01-14. Days
106-107	D-6		<b>OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS</b>
		126	00. None
		25	01-14. Days
108-110	G-2		<b>BED DAYS IN PAST 12 MONTHS</b>
		70	000. None
		78	001-365. 1-365 days
		3	366. Unknown
111	Recode		<b>BED DAYS IN PAST 12 MONTHS - Recode</b>
		70	0. None
		21	1. 1-7 days
		34	2. 8-30 days
		17	3. 31-180 days
		6	4. 181-365 days
		3	5. Unknown
112-114	G-3		<b>DOCTOR VISITS IN PAST 12 MONTHS</b>
		5	000. None
		146	001-996. Visits
		-	997. 997+ visits
		-	998. Unknown

## MDI4-17

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

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

\*Based on Operation codes and reason entered hospital.

## MDI4-18

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

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*
142-171	-		BLANK
172-177	-		QUARTER BASIC WEIGHT BEFORE AGE-SEX-RACE ADJUSTMENT (has one implied decimal)
178	Master Record		TYPE OF SUBSTRATUM
		8	0. Permit
		23	1. Area, oversampled for blacks
		120	2. Area, not oversampled for blacks
179-181	-		FULL SAMPLE STRATUM IDENTIFIER
182	Master Record		REGION
		25	1. Northeast
		55	2. Midwest
		46	3. South
		25	4. West
183	Master Record		GEOGRAPHIC DISTRIBUTION
			1-4. MSA Size
		70	1. 1,000,000 or more
		38	2. 250,000 - 999,999
		12	3. 100,000 - 249,999
		3	4. Under 100,000
		28	Blank. Non-MSA
184			BLANK
185	Master Record		TYPE OF PSU
		79	1. MSA - Self-representing
		44	3. MSA - Nonself-representing
		-	4. Non-MSA - Self-representing
		28	6. Non-MSA - Nonself-representing

\*Based on Operation codes and reason entered hospital.

## MDI4-19

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
186	Recode		MSA - NON-MSA RESIDENCE
		62	1. MSA - Central City
		61	2. MSA - Not Central City
		26	3. Non-MSA - Nonfarm
		2	4. Non-MSA - Farm
187-189			PSEUDO PSU CODES
190-200			CHRONIC CONDITION PREVALENCE AND INCIDENCE FACTOR (XX.XXXXXXXXXX) - character format with implied decimal
			FINAL BASIC WEIGHT
201-209			QUARTER
210-218			SEMI-ANNUAL (WT/2)
219-227			ANNUAL (WT/4)
			6.5 WEIGHT
228-236			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED RESTRICTED ACTIVITY DAYS IN PAST 2 WEEKS
237-245			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED BED DAYS IN PAST 2 WEEKS
246-254			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED WORK-LOSS DAYS IN PAST 2 WEEKS
255-263			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED SCHOOL-LOSS DAYS IN PAST 2 WEEKS
264-272			QUARTER, SEMI-ANNUAL AND ANNUAL

MDI4-20

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
			ESTIMATED DOCTOR VISITS IN PAST 12 MONTHS
273-281			QUARTER
282-290			SEMI-ANNUAL
291-299			ANNUAL
			ESTIMATED SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
300-308			QUARTER
309-317			SEMI-ANNUAL
318-326			ANNUAL
327-335			ANNUAL ESTIMATED NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
336	Generated		IS THIS FIRST HEART VALVE RECORD FOR PERSON
		135	1. Yes
		16	2. No



MDI4-21

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
337	1a	139	<b>NUMBER OF ARTIFICIAL HEART VALVE(S)</b>
		12	1-4. 1-4 Heart valve(s) Blank. Unknown
(338-342)	1b		<b>TYPE(S) OF VALVE(S) REPLACED WITH ARTIFICIAL VALVE(S)</b>
338		53	1. Mitral
		98	Blank. Not reported
339		73	2. Aortic
		78	Blank. Not reported
340		1	3. Tricuspid
		150	Blank. Not reported
341		2	4. Pulmonic
		149	Blank. Not reported
342		20	9. Unknown Type
		131	Blank. Not reported
343	Check Item		<b>TYPE OF VALVE REMAINING ITEMS REFER TO</b>
		53	1. Mitral
		73	2. Aortic
		1	3. Tricuspid
		2	4. Pulmonic
		22	9. Unknown Type

## MDI4-22

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
344	2a		<b>ARTIFICIAL VALVE A REPLACEMENT FOR PREVIOUS ARTIFICIAL VALVE</b>
		8	1. Yes
		142	2. No
		1	9. Unknown
		-	Blank.
345	2b		<b>NUMBER OF TIMES ARTIFICIAL VALVE REPLACED</b>
		8	1-4. 1-4 times
		-	5. 5+ times
		-	9. Unknown
		143	Blank. Not applicable
(346-356)	2c,2d		<b>REASON LAST ARTIFICIAL HEART VALVE REPLACED</b>
346	2c		<b>NORMAL GROWTH</b>
		-	1. Yes
		8	2. No
		143	9. Unknown
			Blank. Not Applicable
347	2c		<b>BLOOD CLOTS</b>
		-	1. Yes
		8	2. No
		143	9. Unknown
			Blank. Not Applicable
348	2d		<b>WHEN FIRST NOTICED BLOOD CLOTS</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		151	Blank. Not applicable

## MDI4-23

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
349	2c		<b>INFECTION</b>
		1	1. Yes
		7	2. No
		143	9. Unknown
			Blank. Not applicable
350	2d		<b>WHEN FIRST NOTICED INFECTION</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		1	3. More than 90 days
		-	9. Unknown
		150	Blank. Not applicable
351	2c		<b>BLEEDING</b>
		2	1. Yes
		6	2. No
		-	9. Unknown
		143	Blank. Not applicable
352	2d		<b>WHEN FIRST NOTICED BLEEDING</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		2	3. More than 90 days
		-	9. Unknown
		149	Blank. Not applicable
353	2c		<b>DEFECT OR MALFUNCTION</b>
		5	1. Yes
		3	2. No
		-	9. Unknown
		143	Blank. Not applicable
354	2d		<b>WHEN FIRST NOTICED OTHER REASON</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		5	3. More than 90 days
		-	9. Unknown
		146	Blank. Not applicable

MDI4-24

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
355	2c		<b>SOME OTHER REASON</b>
		2	1. Yes
		6	2. No
		-	9. Unknown
		143	Blank. Not applicable
356	2d		<b>WHEN FIRST NOTICED OTHER REASON</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		1	3. More than 90 days
		1	9. Unknown
		149	Blank. Not applicable
357-358	2e		<b>LENGTH OF TIME HAD PREVIOUS ARTIFICIAL VALVE BEFORE REPLACED WITH PRESENT VALVE</b>
		8	01-19. 1-19 years
		-	97. Less than 6 months
		-	98. 6-11 months
		-	99. Unknown
		143	Blank. Not applicable

## MDI4-25

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
	(359-362)	2f		<b>MONTH AND YEAR RECEIVED PREVIOUS ARTIFICIAL HEART VALVE</b>
	359-360			<b>MONTH</b>
			-	00. Before 1968 (year unknown)
			1	01. January
			-	02. February
			-	03. March
			2	04. April
			-	05. May
			-	06. June
			-	07. July
			-	08. August
			-	09. September
			-	10. October
			-	11. November
			2	12. December
			-	98. 1968 or later (year unknown)
			3	99. DK or Refused
			143	Blank. Not applicable
	361-362			<b>YEAR</b>
				00. Before 1968 (year unknown)
			8	70-89. 1970-1989
			-	98. 1968 or later (year unknown)
			-	99. Unknown
			143	Blank. Not applicable
	363-364	3a		<b>LENGTH OF TIME WITH CURRENT VALVE</b>
			127	01-29. 1-29 years
			9	97. Less than 6 months
			6	98. 6-11 months
			9	99. Unknown
			-	Blank.

## MDI4-26

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
	(365-368)	3b		<b>MONTH AND YEAR RECEIVED CURRENT VALVE</b>
	365-366			<b>MONTH</b>
			-	00. Before 1968 (year unknown)
			6	01. January
			9	02. February
			9	03. March
			15	04. April
			12	05. May
			5	06. June
			11	07. July
			10	08. August
			12	09. September
			16	10. October
			9	11. November
			13	12. December
			2	98. 1968 or later (year unknown)
			22	99. Unknown
	367-368			<b>YEAR</b>
			-	00. Before 1968 (year unknown)
			139	60-89. 1960-1989
			2	98. 1968 or later (year unknown)
			10	99. Unknown
	369	4 (pgs. 20 & 21)		<b>SUBSTANCE HEART VALVE MADE FROM</b>
			97	1. Man-made substance
			38	2. Animal tissue
			-	3. Human tissue
			16	9. Unknown
	370	5a		<b>RECEIVED REGISTRATION CARD FOR VALVE</b>
			94	1. Yes
			37	2. No
			20	9. Unknown

MDI4-27

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
371-373	-		BLANK
(374-386)	6a-6k		HAD FOLLOWING PROBLEMS/COMPLICATIONS WITH/DUE TO CURRENT ARTIFICIAL HEART VALVE
374	6a		BLOOD CLOTS
		13	1. Yes
		135	2. No
		3	9. Unknown
		-	Blank.
375	6b		WHEN FIRST NOTICED BLOOD CLOTS
		7	1. Less than 30 days
		2	2. 30-90 days
		4	3. More than 90 days
		-	9. Unknown
		138	Blank. Not applicable

## MDI4-28

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
376	6c		<b>INFECTION OR ENDOCARDITIS</b>
		3	1. Yes
		145	2. No
		3	9. Unknown
377	6d		<b>WHEN FIRST NOTICED INFECTION OR ENDOCARDITIS</b>
		1	1. Less than 30 days
		-	2. 30-90 days
		1	3. More than 90 days
		1	9. Unknown
		148	Blank. Not applicable
378	6e		<b>BLEEDING RELATED TO SURGERY</b>
		10	1. Yes
		138	2. No
		3	9. Unknown
379	6f		<b>WHEN FIRST NOTICED BLEEDING</b>
		7	1. Less than 30 days
		-	2. 30-90 days
		3	3. More than 90 days
		-	9. Unknown
		141	Blank. Not applicable
380	6g		<b>DEFECTS OR NOT WORKING PROPERLY</b>
		11	1. Yes
		135	2. No
		5	9. Unknown
381	6h		<b>WHEN FIRST NOTICED DEFECT/IMPROPER WORKING</b>
		3	1. Less than 30 days
		1	2. 30-90 days
		7	3. More than 90 days
		-	9. Unknown
		140	Blank. Not applicable



## MDI4-29

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
382	6i		<b>OTHER PROBLEM(S) OR COMPLICATION(S)</b>
		7	1. Yes
		138	2. No
		6	9. Unknown
383	6j		<b>FIRST PROBLEM</b>
		7	1. First problem
		144	Blank. Not applicable
384	6k		<b>WHEN FIRST NOTICED FIRST PROBLEM</b>
		2	1. Less than 30 days
		2	2. 30-90 days
		3	3. More than 90 days
		-	9. Unknown
		144	Blank. Not applicable
385	6j		<b>SECOND PROBLEM</b>
		2	2. Second Problem
		149	Blank. No 2nd problem specified not applicable
386	6k		<b>WHEN FIRST NOTICED SECOND PROBLEM</b>
		2	1. Less than 30 days
		-	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		149	Blank. Not applicable

## MDI4-30

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
387	7a (pgs. 22 & 23)		<b>TAKE ANTICOAGULANTS TO PREVENT CLOTS</b>
		105	1. Yes
		38	2. No
		8	9. Unknown
388	7b		<b>TAKE ASPIRIN OR OTHER MEDICATION TO PREVENT CLOTTING</b>
		13	1. Yes
		31	2. No
		2	9. Unknown
		105	Blank. Not applicable
389	Recode		<b>TAKES MEDICATION TO PREVENT CLOTTING</b>
		118	1. Yes
		26	2. No
		7	9. Unknown
390	7c		<b>DAYS PER WEEK TAKE MEDICINE</b>
		-	0. Less than once a week
		13	1-6. 1-6 days per week
		95	7. Everyday
		10	9. Unknown
		33	Blank. Not applicable
(391-396)	8		<b>REASON FOR GETTING ORIGINAL HEART VALVE</b>
391			<b>CONGENITAL DEFECT</b>
		20	1. Yes
		129	2. No
		2	9. Unknown
392			<b>RHEUMATIC HEART DISEASE</b>
		33	1. Yes
		116	2. No
		2	9. Unknown
393			<b>HEART ATTACK OR MYOCARDIAL INFARCTION</b>
		18	1. Yes
		131	2. No
		2	9. Unknown

## MDI4-31

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (ARTIFICIAL HEART VALVE)

Tape Locations	Item No.	Frequency	Items and Codes
394			<b>CALCIFICATION</b>
		9	1. Yes
		140	2. No
		2	9. Unknown
395			<b>ENDOCARDITIS</b>
		4	1. Yes
		145	2. No
		2	9. Unknown
396			<b>SOME OTHER REASON</b>
		75	1. Yes
		74	2. No
		2	9. Unknown
397	Check Item 11		<b>RESPONDENT</b>
		109	1. Self - personal
		18	2. Self - telephone
		16	3. Proxy - personal
		6	4. Proxy - telephone
		1	5. Proxy - method unknown
		1	9. Respondent unknown
398-399	Check Item 11		<b>PROXY'S RELATIONSHIP TO PERSON WITH IMPLANT</b>
		13	01. Spouse
		1	02. Father
		6	03. Mother
		-	04. Brother
		1	05. Sister
		-	06. Son
		1	07. Daughter
		-	08. Aunt
		-	09. Uncle
		-	10. Grandmother (Great)
		-	11. Grandfather (Great)
		-	12. Grandson
		-	13. Granddaughter
		-	14. Not related
		-	15. DK if related
		-	88. Other relative
		1	99. Relationship unknown
		128	Blank. Not applicable
400-410			<b>BLANK</b>

## MDI5-1

NHIS PUBLIC USE TAPE RECORDS  
 Outline of Items and Codes  
 Number of Records - 1,941  
 1988 Medical Device Implant Record  
 Intraocular Lens

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-		<b>RECORD TYPE</b>
		1,941	64. Medical Device (Intraocular Lens)
3-4	-		<b>PROCESSING YEAR</b>
		1,941	88. 1988
5	-		<b>PROCESSING QUARTER</b>
		434	1. Quarter 1
		505	2. Quarter 2
		490	3. Quarter 3
		512	4. Quarter 4
6-8	HH-5		<b>RANDOM RECODE OF PSU NUMBER</b>
9-10	HH-5		<b>WEEK - CENSUS CODE*</b>
			01, 21, 41, 61, 81 ... Week 01
			02, 22, 42, 62, 82 ... Week 02
			03, 23, 43, 63, 83 ... Week 03
			04, 24, 44, 64, 84 ... Week 04
			05, 25, 45, 65, 85 ... Week 05
			06, 26, 46, 66, 86 ... Week 06
			07, 27, 47, 67, 87 ... Week 07
			08, 28, 48, 68, 88 ... Week 08
			09, 29, 49, 69, 89 ... Week 09
			10, 30, 50, 70, 90 ... Week 10
			11, 31, 51, 71, 91 ... Week 11
			12, 32, 52, 72, 92 ... Week 12
			13, 33, 53, 73, 93 ... 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.

MDI5-2

1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes																										
11-12	HH-5		<p><b>SEGMENT NUMBER</b></p> <p>Week plus Segment Number identifies the segment</p>																										
13-14	HH-5		<p><b>HOUSEHOLD NUMBER</b></p> <p>Numbered within PSU-Week-Segment</p>																										
15-16	-		<p><b>PERSON NUMBER</b></p>																										
17-18	-		<p><b>RECORD SERIAL NUMBER</b></p>																										
19-20	HH-5		<p><b>PROCESSING WEEK CODE</b> (Numbered within Quarter)</p> <table> <tr><td>162</td><td>01. Week 1</td></tr> <tr><td>153</td><td>02. Week 2</td></tr> <tr><td>175</td><td>03. Week 3</td></tr> <tr><td>135</td><td>04. Week 4</td></tr> <tr><td>139</td><td>05. Week 5</td></tr> <tr><td>119</td><td>06. Week 6</td></tr> <tr><td>160</td><td>07. Week 7</td></tr> <tr><td>153</td><td>08. Week 8</td></tr> <tr><td>145</td><td>09. Week 9</td></tr> <tr><td>162</td><td>10. Week 10</td></tr> <tr><td>164</td><td>11. Week 11</td></tr> <tr><td>133</td><td>12. Week 12</td></tr> <tr><td>141</td><td>13. Week 13</td></tr> </table>	162	01. Week 1	153	02. Week 2	175	03. Week 3	135	04. Week 4	139	05. Week 5	119	06. Week 6	160	07. Week 7	153	08. Week 8	145	09. Week 9	162	10. Week 10	164	11. Week 11	133	12. Week 12	141	13. Week 13
162	01. Week 1																												
153	02. Week 2																												
175	03. Week 3																												
135	04. Week 4																												
139	05. Week 5																												
119	06. Week 6																												
160	07. Week 7																												
153	08. Week 8																												
145	09. Week 9																												
162	10. Week 10																												
164	11. Week 11																												
133	12. Week 12																												
141	13. Week 13																												
21	-		<p><b>BLANK</b></p>																										

## MDI5-3

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
22-23	HH-10c,d		<b>TYPE OF LIVING QUARTERS:</b>
			Housing Unit = (00-07)
		13	00. Housing unit; kind unknown
		1,807	01. House, apartment, flat
		-	02. HU in nontransient hotel, motel, etc.
		2	03. HU-permanent in transient hotel, motel, etc.
		-	04. HU in rooming house
		92	05. Mobile home or trailer with no permanent room added
		21	06. Mobile home or trailer with one or more permanent rooms added
		-	07. HU not specified above
			Other Unit = (08-13)
		2	08. Quarters not HU in rooming or boarding house
		-	09. Unit not permanent in transient hotel, motel, etc.
		-	10. Unoccupied site for mobile home, trailer, or tent
		-	11. Student quarters in college dormitory
		4	12. Other unit not specified above
		-	13. Other unit; kind unknown
24	HH-11		<b>HAS TELEPHONE</b>
		1,862	1. Yes, phone number given
		32	2. Yes, no phone number given
		29	3. No
		18	4. Unknown
25	A-1		<b>SEX</b>
		728	1. Male
		1,213	2. Female
26	-		<b>BLANK</b>

## MDI5-4

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
27-28	Person Column		AGE
		-	00. Under 1 year
		1,940	01-98. Number of years
		1	99. 99+ years of age
29	Recode		AGE RECODE #1
		1	1. Under 5 years
		-	2. 5-17 years
		2	3. 18-24 years
		27	4. 25-44 years
		318	5. 45-64 years
		259	6. 65-69 years
		374	7. 70-74 years
		960	8. 75 years and over
30	Recode		AGE RECODE #2
		1	1. Under 6 years
		-	2. 6-16 years
		2	3. 17-24 years
		8	4. 25-34 years
		19	5. 35-44 years
		68	6. 45-54 years
		250	7. 55-64 years
		633	8. 65-74 years
		960	9. 75 years and over
31-32	Recode		AGE RECODE #3
		1	00-35. Months
		1,940	36. Over 3 years
33	-		BLANK

## MDI5-5

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
34-39	A-3		<b>MONTH AND YEAR OF BIRTH</b>
34-35			<b>MONTH</b>
			01. January                      08. August
			02. February                    09. September
			03. March                        10. October
			04. April                         11. November
			05. May                         12. December
			06. June                         99. DK or refused
			07. July
36-39			<b>YEAR OF BIRTH</b>
			1800-1899. 1800-1899
			1900-1989. 1900-1989
			9999. DK or refused
40-41			<b>BLANK</b>
42	L-3		<b>MAIN RACIAL BACKGROUND - Reported</b>
		9	1. Aleut, Eskimo, or American Indian
		7	2. Asian/Pacific Islander
		103	3. Black
		1,814	4. White
		4	5. Other
		1	6. Multiple race
		3	7. Unknown



## MDI5-6

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
43-45	Recode		RACE RECODES
43			RECODE 1
		1,821	1. White
		103	2. Black
		17	3. Other
44			RECODE 2
		1,821	1. White
		120	2. Non-white
45			RECODE 3
		103	1. Black
		1,838	2. Non-black
46-47	L-4		HISPANIC ORIGIN
		-	00. Multiple Hispanic
		2	01. Puerto Rican
		4	02. Cuban
		7	03. Mexican-Mexicano
		19	04. Mexican-American
		-	05. Chicano
		2	06. Other Latin American
		10	07. Other Spanish
		4	08. Spanish, DK type
		3	09. Unknown if Spanish origin
		1,890	10. Not Spanish origin
48	L-7		MARITAL STATUS
		1	0. Under 14 years
		1,059	1. Married - spouse in household
		16	2. Married - spouse not in household
		686	3. Widowed
		90	4. Divorced
		11	5. Separated
		78	6. Never married
		-	7. Unknown

## MDI5-7

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>49</b>	<b>L-1</b>		<b>VETERAN STATUS</b>
		1,596	1. Non-veteran
		9	2. WW I
		239	3. WW II
		45	4. Korean War
		15	5. Vietnam veteran
		4	6. Post-Vietnam
		24	7. Other service
		3	8. Served in Armed Forces, unknown if war veteran
		5	9. Unknown if served in Armed Forces
		1	Blank. Under 18 years of age
<b>50</b>	<b>L-1</b>		<b>ACTIVE GUARD/RESERVE STATUS FOR PERSONS ON ACTIVE DUTY IN ARMED FORCES</b>
		1,596	0. Non-veteran
		6	1. All service in Guard/Reserve
		58	2. Some service in Guard/Reserve
		-	3. Unknown if all service in Guard/Reserve
		248	4. No active service in Guard/Reserve
		32	5. Unknown if ever active member in Guard/Reserve or served in Armed Forces
		1	Blank. Under 18 years of age
<b>51-52</b>	<b>L-2</b>		<b>EDUCATION OF INDIVIDUAL - COMPLETED YEARS</b>
		23	00. Never attended; kindergarten only
		1,415	01-12. Grades 1-12
			College:
		87	13. 1 year
		106	14. 2 years
		50	15. 3 years
		130	16. 4 years
		35	17. 5 years
		81	18. 6 years or more
		13	19. Unknown
		1	Blank. Under 5 years of age

## MDI5-8

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
53	Recode		<b>EDUCATION OF INDIVIDUAL RECODE</b>
		23	0. None; kindergarten only
		490	1. 1-8 years (elementary)
		329	2. 9-11 years (high school)
		596	3. 12 years (high school graduate)
		243	4. 1-3 years (college)
		130	5. 4 years (college graduate)
		116	6. 5+ years (post-college)
		13	7. Unknown
		1	Blank. Under 5 years of age
54-55	-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)</b>
		10	00. Never attended; kindergarten only
		1,268	01-12. Grades 1-12
			College:
		99	13. 1 year
		147	14. 2 years
		63	15. 3 years
		185	16. 4 years
		43	17. 5 years
		120	18. 6 years or more
		6	19. Unknown
56	-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER RECODE</b>
		10	0. None; kindergarten only
		335	1. 1-8 years (elementary)
		239	2. 9-11 years (high school)
		694	3. 12 years (high school graduate)
		309	4. 1-3 years (college)
		185	5. 4 years (college graduate)
		163	6. 5+ years (post-college)
		6	7. Unknown

## MDI5-9

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
57	L-8		<b>FAMILY INCOME \$20,000 OR MORE</b>
		1,141	1. Less than \$20,000
		749	2. \$20,000 or more
		51	3. Unknown
58-59	L-8		<b>FAMILY INCOME</b>
		2	00. Less than \$1,000
		6	01. \$ 1,000 - \$ 1,999
		15	02. 2,000 - 2,999
		32	03. 3,000 - 3,999
		56	04. 4,000 - 4,999
		60	05. 5,000 - 5,999
		81	06. 6,000 - 6,999
		62	07. 7,000 - 7,999
		73	08. 8,000 - 8,999
		64	09. 9,000 - 9,999
		64	10. 10,000 - 10,999
		47	11. 11,000 - 11,999
		93	12. 12,000 - 12,999
		46	13. 13,000 - 13,999
		43	14. 14,000 - 14,999
		43	15. 15,000 - 15,999
		20	16. 16,000 - 16,999
		32	17. 17,000 - 17,999
		52	18. 18,000 - 18,999
		57	19. 19,000 - 19,999
		191	20. 20,000 - 24,999
		117	21. 25,000 - 29,999
		85	22. 30,000 - 34,999
		55	23. 35,000 - 39,999
		47	24. 40,000 - 44,999
		39	25. 45,000 - 49,999
		108	26. \$50,000 and over
		351	27. Unknown

## MDI5-10

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
60	Recode		<b>FAMILY INCOME RECODE</b>
		111	0. Under \$5,000
		141	1. \$ 5,000 - \$ 6,999
		199	2. 7,000 - 9,999
		293	3. 10,000 - 14,999
		204	4. 15,000 - 19,999
		191	5. 20,000 - 24,999
		202	6. 25,000 - 34,999
		141	7. 35,000 - 49,999
		108	8. \$50,000 or more
		351	9. Unknown
61	Generated		<b>NHIS POVERTY INDEX*</b>
		1,536	1. At or above poverty threshold
		161	2. Below poverty threshold
		244	3. Unknown
62-63			<b>FAMILY RELATIONSHIP</b>
62	A-2		<b>TYPE OF FAMILY</b>
		628	&. Primary individual
		5	-. Secondary individual
		1,305	0. Primary family
		3	1-9. Secondary family
63	A-2		<b>RELATIONSHIP TO REFERENCE PERSON</b>
		622	&. Reference person, living alone
		738	0. Reference person, 2+ persons in household
		453	1. Spouse, other spouse NOT in Armed Forces and living at home
		-	2. Spouse, other spouse IN Armed Forces and living at home
		16	3. Child of reference person or spouse
		3	4. Grandchild of reference person or spouse
		77	5. Parent of reference person or spouse
		32	6. Other relative
		-	7. Child of military family with no eligible reference person
		-	9. DK or refused

\*Based on family size, number of children under 18 years of age and family income using the 1987 poverty levels derived from the August, 1988 Current Population Survey.

## MDI5-11

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
64	Recode		<b>FAMILY RELATIONSHIP RECODE</b>
		622	1. Living alone
		11	2. Living only with non-relative
		1,057	3. Living with spouse
		251	4. Living with relative - other
65-66	Generated		<b>SIZE OF FAMILY*</b>
			Unrelated individuals are coded 01
67	Generated		<b>SIZE OF FAMILY RECODE</b>
			1-8. Number of members
			9. 9+ members
68	A-2		<b>PARENT/OTHER ADULT RELATIVE (under 25 years old and never married)</b>
		1	1. Both parents, no other relative
		-	2. Mother only
		-	3. Father only
		2	4. Both parents and other 21+ year old adult relative
		-	5. Mother and other 21+ year old adult relative
		-	6. Father and other 21+ year old adult relative
		-	7. No parent, but one 21+ year old adult relative
		-	8. No parent, but two or more 21+ year old adult relatives
		-	9. Unknown
		-	0. Other
		1,938	Blank. Not applicable (25+ years old or ever married)

\*Count includes spouse in military but living at home.

## MDI5-12

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
69		B-1 B-8		<b>MAJOR ACTIVITY (18+ years old)</b>
			258	1. Working
			856	2. Keeping house
			10	3. Going to school
			781	4. Something else
			35	5. Unknown
			1	Blank. Not applicable (Under 18 years)
70		G-4		<b>HEALTH STATUS</b>
			249	1. Excellent
			411	2. Very Good
			630	3. Good
			440	4. Fair
			207	5. Poor
			4	6. Unknown
71		Recode		<b>ACTIVITY LIMITATION STATUS - (all ages)</b>
			239	1. Unable to perform major activity
			265	2. Limited in kind/amount major activity
			358	3. Limited in other activities
			1,079	4. Not limited (includes unknowns)
72		Recode		<b>ACTIVITY LIMITATION STATUS MEASURED BY "ABILITY TO WORK" (18-69 years)</b>
			150	1. Unable to work
			66	2. Limited in kind/amount of work
			64	3. Limited in other activities
			326	4. Not limited (includes unknowns)
			1,335	Blank. Not applicable (under 18 years, 70+ years)

## MDI5-13

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
73	B-11		<b>LIMITATION OF SCHOOL ACTIVITIES (5-17 years)</b>
		-	1. Unable to attend school
		-	2. Attends special school/classes
		-	3. Needs special school/classes
		-	4. Limited in school attendance
		-	5. Limited in other activities
		-	6. Not limited (includes unknowns)
		1,941	Blank. Not applicable (Under 5 years or 18+ years)
74	B-14		<b>NEEDS HELP WITH PERSONAL CARE (5-59 years old and limited, or age 60-69 years)</b>
		28	1. Unable to perform personal care needs
		41	2. Limited in performing other routine needs
		410	3. Not limited in performing personal or routine needs
		7	4. Unknown
		1,455	Blank. Not applicable (Under 5 years; 5-59 years not limited; 70+ years old)
75	D-1		<b>EMPLOYMENT STATUS IN PAST 2 WEEKS (18+ years)</b>
			In the Labor Force: (1-7)
			Currently employed: (1-3)
		277	1. Worked in past 2 weeks
		18	2. Did not work, has job; not on lay-off and not looking for work
		-	3. Did not work, has job; looking for work
			Unemployed: (4-7)
		-	4. Did not work, has job; on lay-off
		-	5. Did not work, has job; on lay-off and looking for work
		-	6. Did not work, has job; unknown if looking or on lay-off
		8	7. Did not work, has no job; looking for work or on lay-off
		1,637	Not in Labor Force (18+ years): (8)
		1	Blank. Not applicable (Under 18 years old)



## MDI5-14

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
76	L-6		<b>CLASS OF WORKER</b>
		1,637	0. Not in labor force
		175	1. Private company
		11	2. Federal Government employee
		4	3. State Government employee
		22	4. Local Government employee
		13	5. Incorporated business
		64	6. Self-employed
		-	7. Without pay
		-	8. Never worked
		14	9. Unknown
		1	Blank. Under 18
77-79	L-6		<b>INDUSTRY DETAIL CODE</b>
		303	010-996. Code number
		1,638	Blank. Not applicable
80-81	Recode		<b>INDUSTRY RECODE 1</b>
			SEE APPENDIX B
82-83	Recode		<b>INDUSTRY RECODE 2</b>
			SEE APPENDIX B
84-86	L-6		<b>OCCUPATION DETAIL CODE</b>
		303	003-999. Code number
		1,638	Blank. Not applicable
87-88	Recode		<b>OCCUPATION RECODE 1</b>
			SEE APPENDIX C
89-90	Recode		<b>OCCUPATION RECODE 2</b>
			SEE APPENDIX C

## MDI5-15

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
91	L-R		<b>RESPONDENT</b>
		1	0. Under 17
		1,587	1. Self-entirely
		112	2. Self-partly
		227	3. Proxy
		14	4. Unknown
92	Recode		<b>CONDITION LIST ASSIGNED AND ASKED</b>
		345	1. Condition List 1, Skin and musculoskeletal
		350	2. Condition List 2, Impairments
		346	3. Condition List 3, Digestive
		287	4. Condition List 4, Miscellaneous
		300	5. Condition List 5, Circulatory
		311	6. Condition List 6, Respiratory
		2	7. Unknown
93-94	G-5		<b>HEIGHT WITHOUT SHOES (18+ years)</b>
			36-98. Number of inches
			99. Unknown
			Blank. Under 18 years of age
95-97	G-5		<b>WEIGHT WITHOUT SHOES (18+ years)</b>
			050-500. Number of pounds
			501. Unknown
			Blank. Under 18 years of age
98-99	Recode		<b>TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS</b>
		1,639	00. None
		302	01-14. Days
100-101	D-4		<b>BED DAYS IN PAST TWO WEEKS</b>
		1,792	00. None
		149	01-14. Days

## MDI5-16

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
102-103	D-2		<b>WORK-LOSS DAYS IN PAST TWO WEEKS</b>
		1,923	00. None
		18	01-14. Days
104-105	D-3		<b>SCHOOL-LOSS DAYS IN PAST TWO WEEKS</b>
		1,941	00. None
		-	01-14. Days
106-107	D-6		<b>OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS</b>
		1,743	00. None
		198	01-14. Days
108-110	G-2		<b>BED DAYS IN PAST 12 MONTHS</b>
		1,188	000. None
		743	001-365. 1-365 days
		10	366. Unknown
111	Recode		<b>BED DAYS IN PAST 12 MONTHS - Recode</b>
		1,188	0. None
		398	1. 1-7 days
		239	2. 8-30 days
		74	3. 31-180 days
		32	4. 181-365 days
		10	5. Unknown
112-114	G-3		<b>DOCTOR VISITS IN PAST 12 MONTHS</b>
		131	000. None
		1,800	001-996. Visits
		-	997. 997+ visits
		10	998. Unknown

## MDI5-17

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
115	G-3		INTERVAL SINCE LAST DOCTOR VISIT
		-	0. Never
		1,818	1. Less than 1 year
		51	2. 1 to less than 2 years
		56	3. 2 to less than 5 years
		11	4. 5 years or more
		5	5. Unknown
116-117	Generated		NUMBER OF CONDITIONS
118-119	Generated		NUMBER OF ACUTE INCIDENCE CONDITIONS
120-121	Generated		NUMBER OF TWO-WEEK DOCTOR VISITS
122-123	Generated		NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
124-126	Generated		SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
127-128	Generated		NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS EXCLUDING DELIVERY*
129-131	Generated		SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS EXCLUDING DELIVERY*
132-133	Generated		NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS
134-136	Generated		NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS
137-138	Generated		NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*

\*Based on Operation codes and reason entered hospital.

## MDI5-18

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

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*
142-171	-		BLANK
172-177	-		QUARTER BASIC WEIGHT BEFORE AGE-SEX-RACE ADJUSTMENT (has one implied decimal)
178	Master Record		TYPE OF SUBSTRATUM
		77	0. Permit
		113	1. Area, oversampled for blacks
		1,751	2. Area, not oversampled for blacks
179-181	-		FULL SAMPLE STRATUM IDENTIFIER
182	Master Record		REGION
		328	1. Northeast
		543	2. Midwest
		691	3. South
		379	4. West
183	Master Record		GEOGRAPHIC DISTRIBUTION
			1-4. MSA Size
		706	1. 1,000,000 or more
		494	2. 250,000 - 999,999
		114	3. 100,000 - 249,999
		39	4. Under 100,000
		588	Blank. Non-MSA
184			BLANK
185	Master Record		TYPE OF PSU
		898	1. MSA - Self-representing
		455	3. MSA - Nonself-representing
		-	4. Non-MSA - Self-representing
		588	6. Non-MSA - Nonself-representing

\*Based on Operation codes and reason entered hospital.

MDI5-19

1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
186	Recode		MSA - NON-MSA RESIDENCE
		605	1. MSA - Central City
		748	2. MSA - Not Central City
		552	3. Non-MSA - Nonfarm
		36	4. Non-MSA - Farm
187-189			PSEUDO PSU CODES
190-200			CHRONIC CONDITION PREVALENCE AND INCIDENCE FACTOR (XX.XXXXXXXXXX) - character format with implied decimal
			FINAL BASIC WEIGHT
201-209			QUARTER
210-218			SEMI-ANNUAL (WT/2)
219-227			ANNUAL (WT/4)
			6.5 WEIGHT
228-236			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED RESTRICTED ACTIVITY DAYS IN PAST 2 WEEKS
237-245			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED BED DAYS IN PAST 2 WEEKS
246-254			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED WORK-LOSS DAYS IN PAST 2 WEEKS
255-263			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED SCHOOL-LOSS DAYS IN PAST 2 WEEKS
264-272			QUARTER, SEMI-ANNUAL AND ANNUAL

1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
ESTIMATED DOCTOR VISITS IN PAST 12 MONTHS			
273-281			QUARTER
282-290			SEMI-ANNUAL
291-299			ANNUAL
ESTIMATED SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS			
300-308			QUARTER
309-317			SEMI-ANNUAL
318-326			ANNUAL
327-335			ANNUAL ESTIMATED NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
336	Generated		IS THIS FIRST INTRAOCULAR LENS RECORD FOR PERSON
		1,337	1. Yes
		604	2. No
337	Recode		NUMBER OF LENS IMPLANTS HAS NOW
		733	1. One
		1,208	2. Two

## MDI5-21

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
338	Check Item 13		<b>WHICH EYE REMAINING ITEM REFER TO</b> (Check Item 13)
		1,015	1. Right eye
		916	2. Left eye
		10	3. Unknown which eye
339	2a		<b>IS LENS NOW HAVE A REPLACEMENT FOR PREVIOUS LENS IMPLANT</b>
		18	1. Yes
		1,901	2. No
		22	9. Unknown
340	2b		<b>NUMBER OF TIMES LENS IMPLANT REPLACED</b>
		18	1-3. 1-3 times
		-	9. Unknown
		1,923	Blank. Not Applicable
(341-359)	2c, 2d		<b>REASON LAST LENS IMPLANT REPLACED</b>
341	2c		<b>NORMAL GROWTH</b>
		-	1. Yes
		15	2. No
		3	9. Unknown
		1,923	Blank. Not applicable
342	2c		<b>INJURY</b>
		3	1. Yes
		12	2. No
		3	9. Unknown
		1,923	Blank. Not applicable



## MDI5-22

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
343	2d		<b>WHEN FIRST NOTICED INJURY</b>
		1	1. Less than 30 days
		-	2. 30-90 days
		2	3. More than 90 days
		-	9. Unknown
		1,938	Blank. Not applicable
344	2c		<b>GLAUCOMA AFTER IMPLANT</b>
		-	1. Yes
		15	2. No
		3	9. Unknown
		1,923	Blank. Not applicable
345	2d		<b>WHEN FIRST NOTICED GLAUCOMA</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		1,941	Blank. Not applicable
346	2c		<b>IRRITATION OR INFLAMMATION</b>
		1	1. Yes
		14	2. No
		3	9. Unknown
		1,923	Blank. Not applicable
347	2d		<b>WHEN FIRST NOTICED IRRITATION OR INFLAMMATION</b>
		1	1. Less than 30 days
		-	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		1,940	Blank. Not applicable
348	2c		<b>TROUBLE READING</b>
		2	1. Yes
		13	2. No
		3	9. Unknown
		1,923	Blank. Not applicable

## MDI5-23

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
349	2d		<b>WHEN FIRST NOTICED TROUBLE READING</b>
		1	1. Less than 30 days
		-	2. 30-90 days
		1	3. More than 90 days
		-	9. Unknown
		1,939	Blank. Not applicable
350	2c		<b>INFECTION</b>
		-	1. Yes
		15	2. No
		3	9. Unknown
		1,923	Blank. Not applicable
351	2d		<b>WHEN FIRST NOTICED INFECTION</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		1,941	Blank. Not applicable
352	2c		<b>MOVEMENT OR DISPLACEMENT OF LENS</b>
		2	1. Yes
		13	2. No
		3	9. Unknown
		1,923	Blank. Not applicable
353	2d		<b>WHEN FIRST NOTICED MOVEMENT OR DISPLACEMENT OF THE LENS</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		2	3. More than 90 days
		-	9. Unknown
		1,939	Blank. Not applicable
354	2c		<b>WRONG LENS POWER</b>
		-	1. Yes
		1	2. No
		-	9. Unknown
		1,940	Blank. Not applicable

## MDI5-24

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
355	2d		<b>WHEN FIRST NOTICED WRONG LENS POWER</b>
		-	1. Less than 30 days
		1	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		1,940	Blank. Not applicable
356	2c		<b>PROBLEM DUE TO CORNEAL TRANSPLANT</b>
		-	1. Yes
		15	2. No
		3	9. Unknown
		1,923	Blank. Not applicable
357	2d		<b>WHEN FIRST NOTICED PROBLEM DUE TO CORNEAL TRANSPLANT</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		1,941	Blank. Not applicable
358	2c		<b>SOME OTHER REASON</b>
		7	1. Yes
		8	2. No
		3	9. Unknown
		1,923	Blank. Not applicable
359	2d		<b>WHEN FIRST NOTICED OTHER REASON</b>
		2	1. Less than 30 days
		1	2. 30-90 days
		2	3. More than 90 days
		2	9. Unknown
		1,934	Blank. Not applicable

## MDI5-25

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
	360-361	2e		<b>LENGTH OF TIME HAD PREVIOUS LENS IMPLANT BEFORE REPLACED WITH PRESENT LENS</b>
			9	01-96. 1-96 years
			4	97. Less than 6 months
			1	98. 6-11 months
			4	99. Unknown
			1,923	Blank. Not applicable
	(362-365)	2f		<b>MONTH AND YEAR RECEIVED PREVIOUS LENS IMPLANT</b>
	362-363			<b>MONTH</b>
			-	00. Before 1968 (year unknown)
			1	01. January
			-	02. February
			1	03. March
			1	04. April
			-	05. May
			1	06. June
			-	07. July
			-	08. August
			-	09. September
			-	10. October
			-	11. November
			1	12. December
			4	98. 1968 or later (year unknown)
			9	99. Unknown
			1,923	Blank. Not applicable
	364-365			<b>YEAR</b>
			-	00. Before 1968 (year unknown)
			8	60-89. 1960-1989
			4	98. 1968 or later (year unknown)
			6	99. Unknown
			1,923	Blank. Not applicable

## MDI5-26

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
366-367		3a		<b>LENGTH OF TIME WITH CURRENT VALVE</b>
			1,390	01-29. 1-29 years
			217	97. Less than 6 months
			189	98. 6-11 months
			145	99. Unknown
(368-371)		3b		<b>MONTH AND YEAR RECEIVED CURRENT LENS IMPLANT</b>
368-369				<b>MONTH</b>
			-	00. Before 1968 (year unknown)
			130	01. January
			131	02. February
			131	03. March
			165	04. April
			121	05. May
			133	06. June
			116	07. July
			92	08. August
			126	09. September
			125	10. October
			111	11. November
			89	12. December
			71	98. 1968 or later (year unknown)
			400	99. Unknown
370-371				<b>YEAR</b>
			-	00. Before 1968 (year unknown)
			1,769	60-89. 1960-1989
			71	98. 1968 or later (year unknown)
			101	99. Unknown
372		4		<b>NOW HAVE EXPERIMENTAL LENS</b>
			87	1. Yes
			1,727	2. No
			127	9. Unknown

## MDI5-27

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
373	5		<b>LENS HAS SUBSTANCE THAT ABSORBS LIGHT</b>
		148	1. Yes
		643	2. No
		1150	9. Unknown
374	6		<b>BECAUSE OF LENS IMPLANT, DID DOCTOR ADVISE WEAR SUNGLASSES IN BRIGHT LIGHT</b>
		977	1. Yes
		895	2. No
		69	9. Unknown
(375-397)	7a-7s		<b>HAD FOLLOWING PROBLEMS/COMPLICATIONS WITH/DUE TO CURRENT LENS IMPLANT</b>
375	7a		<b>INFECTION</b>
		126	1. Yes
		1,777	2. No
		38	9. Unknown
376	7b		<b>HOW LONG AFTER LENS IMPLANT WAS INFECTION FIRST NOTICED</b>
		40	1. Less than 30 days
		19	2. 30-90 days
		60	3. More than 90 days
		7	9. Unknown
		1,815	Blank. Not applicable
377	7c		<b>HEALING PROBLEMS</b>
		80	1. Yes
		1,824	2. No
		37	9. Unknown
378	7d		<b>HOW LONG AFTER LENS IMPLANT WAS HEALING PROBLEM FIRST NOTICED</b>
		39	1. Less than 30 days
		17	2. 30-90 days
		24	4. More than 90 days
		-	9. Unknown
		1,861	Blank. Not applicable

## MDI5-28

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
379	7e		<b>PAIN, IRRITATION OR INFLAMMATION</b>
		219	1. Yes
		1,687	2. No
		35	9. Unknown
380	7f		<b>HOW LONG AFTER LENS IMPLANT WAS PAIN/IRRITATION/INFLAMMATION FIRST NOTICED</b>
		84	1. Less than 30 days
		37	2. 30-90 days
		90	3. More than 90 days
		8	9. Unknown
		1,722	Blank. Not applicable
381	7g		<b>GLAUCOMA AFTER THIS IMPLANT</b>
		42	1. Yes
		1,845	2. No
		54	9. Unknown
382	7h		<b>HOW LONG AFTER LENS IMPLANT WAS GLAUCOMA FIRST NOTICED</b>
		5	1. Less than 30 days
		9	2. 30-90 days
		25	3. More than 90 days
		3	9. Unknown
		1,899	Blank. Not applicable
383	7i		<b>CLOUDING OR BLURRED VISION</b>
		404	1. Yes
		1,495	2. No
		42	9. Unknown

## MDI5-29

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
384	7j		<b>HOW LONG AFTER LENS IMPLANT WAS CLOUDING/BLURRED VISION FIRST NOTICED</b>
		112	1. Less than 30 days
		56	2. 30-90 days
		214	3. More than 90 days
		22	9. Unknown
		1,537	Blank. Not applicable
385	7k		<b>TROUBLE READING NEWSPAPER PRINT</b>
		312	1. Yes
		1,582	2. No
		47	9. Unknown
386	7l		<b>HOW LONG AFTER LENS IMPLANT WAS READING TROUBLE FIRST NOTICED</b>
		103	1. Less than 30 days
		47	2. 30-90 days
		147	3. More than 90 days
		15	9. Unknown
		1,629	Blank. Not applicable
387	7m (pgs. 28 & 29)		<b>PROBLEM WITH GLARE OR LIGHT STREAKS</b>
		310	1. Yes
		1,580	2. No
		51	9. Unknown
		-	Blank. Not applicable
388	7n		<b>HOW LONG AFTER LENS IMPLANT WAS GLARE/LIGHT STREAK PROBLEM FIRST NOTICED</b>
		169	1. Less than 30 days
		39	2. 30-90 days
		94	3. More than 90 days
		8	9. Unknown
		1,631	Blank. Not applicable



## MDI5-30

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
389	7o		<b>PROBLEM DUE TO WRONG LENS POWER</b>
		40	1. Yes
		1,753	2. No
		148	9. Unknown
390	7p		<b>HOW LONG AFTER LENS IMPLANT WAS WRONG LENS POWER FIRST NOTICED</b>
		14	1. Less than 30 days
		14	2. 30-90 days
		11	3. More than 90 days
		1	9. Unknown
		1,901	Blank. Not applicable
391	7q		<b>OTHER PROBLEM(S) OR COMPLICATIONS(S)</b>
		158	1. Yes
		1,738	2. No
		45	9. Unknown
392	7r		<b>FIRST PROBLEM</b>
		158	1. First problem
		1,783	Blank. Not applicable
393	7s		<b>HOW LONG AFTER LENS IMPLANT WAS FIRST PROBLEM FIRST NOTICED</b>
		41	1. Less than 30 days
		18	2. 30-90 days
		83	3. More than 90 days
		16	9. Unknown
		1,783	Blank. Not applicable
394	7r		<b>SECOND PROBLEM</b>
		24	2. Second problem
		1,917	Blank. No 2nd problem specified; not applicable

## MDI5-31

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
395	7s		<b>HOW LONG AFTER LENS IMPLANT WAS SECOND PROBLEM FIRST NOTICED</b>
		6	1. Less than 30 days
		2	2. 30-90 days
		15	3. More than 90 days
		1	9. Unknown
		1,917	Blank. Not applicable
396	7r		<b>THIRD PROBLEM</b>
		5	3. Third Problem
		1,936	Blank. No 3rd problem specified; not applicable
397	7s		<b>HOW LONG AFTER LENS IMPLANT WAS THIRD PROBLEM FIRST NOTICED</b>
		-	1. Less than 30 days
		2	2. 30-90 days
		3	3. More than 90 days
		-	9. Unknown
		1,936	Blank. Not applicable
398	8a		<b>PROBLEM WITH EYES FEELING TIRED</b>
		190	1. Yes
		1,696	2. No
		55	9. Unknown
399	8b		<b>PROBLEM START AFTER LENS IMPLANT</b>
		108	1. Yes
		66	2. No
		16	9. Unknown
		1,751	Blank. Not applicable

## MDI5-32

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
400	8c		<b>LENGTH OF TIME HAD IMPLANT WHEN THIS PROBLEM WAS FIRST NOTICED</b>
		28	1. Less than 30 days
		25	2. 30-90 days
		47	3. More than 90 days
		8	9. Unknown
		1,833	Blank. Not applicable
(401-403)	9		<b>REASON FOR ORIGINAL IMPLANT</b>
401			<b>CATARACT</b>
		1,830	1. Yes
		79	2. No
		32	9. Unknown
402			<b>INJURY</b>
		14	1. Yes
		1,895	2. No
		32	9. Unknown
403			<b>OTHER REASON</b>
		87	1. Yes
		1,822	2. No
		32	9. Unknown
404	Check Item 14		<b>RESPONDENT</b>
		1,554	1. Self - personal
		194	2. Self - telephone
		108	3. Proxy - personal
		45	4. Proxy - telephone
		13	5. Proxy - method unknown
		27	9. Respondent unknown

## MDI5-33

## 1988 MEDICAL DEVICE IMPLANT PUBLIC USE FILE (INTRAOCULAR LENS)

Tape Locations	Item No.	Frequency	Items and Codes
405-406	Check Item 14		<b>PROXY'S RELATIONSHIP TO PERSON WITH IMPLANT</b>
		79	01. Spouse
		-	02. Father
		7	03. Mother
		-	04. Brother
		9	05. Sister
		4	06. Son
		45	07. Daughter
		3	08. Aunt
		-	09. Uncle
		-	10. Grandmother (Great)
		-	11. Grandfather (Great)
		-	12. Grandson
		-	13. Granddaughter
		2	14. Not related
		-	15. DK if related
		10	88. Other relative
		7	99. Relationship unknown
		1,775	Blank. Not applicable
407-410			<b>BLANK</b>

MDI6-1

NHIS PUBLIC USE TAPE RECORDS  
 Outline of Items and Codes  
 Number of Records = 244  
 1988 Medical Device Implant Record  
 Pacemaker

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-		<b>RECORD TYPE</b>
		244	65. Medical Device (Pacemaker)
3-4	-		<b>PROCESSING YEAR</b>
			88. 1988
5	-		<b>PROCESSING QUARTER</b>
		57	1. Quarter 1
		60	2. Quarter 2
		55	3. Quarter 3
		72	4. Quarter 4
6-8	HH-5		<b>RANDOM RECODE OF PSU NUMBER</b>
9-10	HH-5		<b>WEEK - CENSUS CODE*</b>
			01, 21, 41, 61, 81 ... Week 01
			02, 22, 42, 62, 82 ... Week 02
			03, 23, 43, 63, 83 ... Week 03
			04, 24, 44, 64, 84 ... Week 04
			05, 25, 45, 65, 85 ... Week 05
			06, 26, 46, 66, 86 ... Week 06
			07, 27, 47, 67, 87 ... Week 07
			08, 28, 48, 68, 88 ... Week 08
			09, 29, 49, 69, 89 ... Week 09
			10, 30, 50, 70, 90 ... Week 10
			11, 31, 51, 71, 91 ... Week 11
			12, 32, 52, 72, 92 ... Week 12
			13, 33, 53, 73, 93 ... 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.

MDI6-2

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
11-12	HH-5		<p><b>SEGMENT NUMBER</b></p> <p>Week plus Segment Number identifies the segment</p>
13-14	HH-5		<p><b>HOUSEHOLD NUMBER</b></p> <p>Numbered within PSU-Week-Segment</p>
15-16	-		<p><b>PERSON NUMBER</b></p>
17-18	-		<p><b>RECORD SERIAL NUMBER</b></p>
19-20	HH-5		<p><b>PROCESSING WEEK CODE</b> (Numbered within Quarter)</p>
		22	01. Week 1
		21	02. Week 2
		18	03. Week 3
		19	04. Week 4
		30	05. Week 5
		16	06. Week 6
		16	07. Week 7
		16	08. Week 8
		18	09. Week 9
		15	10. Week 10
		14	11. Week 11
		16	12. Week 12
		23	13. Week 13
21	-		<b>BLANK</b>

## MDI6-3

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
22-23	HH-10c,d		<b>TYPE OF LIVING QUARTERS:</b>
			Housing Unit = (00-07)
		3	00. Housing unit; kind unknown
		226	01. House, apartment, flat
		-	02. HU in nontransient hotel, motel, etc.
		-	03. HU-permanent in transient hotel, motel, etc.
		-	04. HU in rooming house
		10	05. Mobile home or trailer with no permanent room added
		3	06. Mobile home or trailer with one or more permanent rooms added
		-	07. HU not specified above
			Other Unit = (08-13)
		-	08. Quarters not HU in rooming or boarding house
		-	09. Unit not permanent in transient hotel, motel, etc.
		-	10. Unoccupied site for mobile home, trailer, or tent
		-	11. Student quarters in college dormitory
		2	12. Other unit not specified above
		-	13. Other unit; kind unknown
24	HH-11		<b>HAS TELEPHONE</b>
		226	1. Yes, phone number given
		8	2. Yes, no phone number given
		8	3. No
		2	4. Unknown
25	A-1		<b>SEX</b>
		123	1. Male
		121	2. Female
26	-		<b>BLANK</b>

## MDI6-4

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
27-28	Person Column		<b>AGE</b>
		-	00. Under 1 year
		244	01-98. Number of years
		-	99. 99+ years of age
29	Recode		<b>AGE RECODE #1</b>
		-	1. Under 5 years
		2	2. 5-17 years
		2	3. 18-24 years
		3	4. 25-44 years
		26	5. 45-64 years
		23	6. 65-69 years
		37	7. 70-74 years
		151	8. 75 years and over
30	Recode		<b>AGE RECODE #2</b>
		-	1. Under 6 years
		1	2. 6-16 years
		3	3. 17-24 years
		2	4. 25-34 years
		1	5. 35-44 years
		9	6. 45-54 years
		17	7. 55-64 years
		60	8. 65-74 years
		151	9. 75 years and over
31-32	Recode		<b>AGE RECODE #3</b>
		-	00-35. Months
		244	36. Over 3 years
33	-		<b>BLANK</b>



## MDI6-5

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
34-39	A-3		<b>MONTH AND YEAR OF BIRTH</b>
34-35			<b>MONTH</b>
			01. January                      08. August
			02. February                    09. September
			03. March                        10. October
			04. April                         11. November
			05. May                         12. December
			06. June                         99. DK or refused
			07. July
36-39			<b>YEAR OF BIRTH</b>
			1800-1899. 1800-1899
			1900-1989. 1900-1989
			9999. DK or refused
40-41			<b>BLANK</b>
42	L-3		<b>MAIN RACIAL BACKGROUND - Reported</b>
		1	1. Aleut, Eskimo, or American Indian
		2	2. Asian/Pacific Islander
		20	3. Black
		219	4. White
		-	5. Other
		-	6. Multiple race
		2	7. Unknown

## MDI6-6

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
43-45	Recode		<b>RACE RECODES</b>
43			<b>RECODE 1</b>
		221	1. White
		20	2. Black
		3	3. Other
44			<b>RECODE 2</b>
		221	1. White
		23	2. Non-white
45			<b>RECODE 3</b>
		20	1. Black
		224	2. Non-black
46-47	L-4		<b>HISPANIC ORIGIN</b>
		-	00. Multiple Hispanic
		1	01. Puerto Rican
		-	02. Cuban
		3	03. Mexican-Mexicano
		1	04. Mexican-American
		-	05. Chicano
		1	06. Other Latin American
		1	07. Other Spanish
		-	08. Spanish, DK type
		2	09. Unknown if Spanish origin
		235	10. Not Spanish origin
48	L-7		<b>MARITAL STATUS</b>
		1	0. Under 14 years
		134	1. Married - spouse in household
		6	2. Married - spouse not in household
		84	3. Widowed
		9	4. Divorced
		2	5. Separated
		8	6. Never married
		-	7. Unknown

## MDI6-7

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>49</b>	<b>L-1</b>		<b>VETERAN STATUS</b>
		187	1. Non-veteran
		5	2. WW I
		36	3. WW II
		6	4. Korean War
		1	5. Vietnam veteran
		-	6. Post-Vietnam
		3	7. Other service
		1	8. Served in Armed Forces, unknown if war veteran
		3	9. Unknown if served in Armed Forces
		2	Blank. Under 18 years of age
<b>50</b>	<b>L-1</b>		<b>ACTIVE GUARD/RESERVE STATUS FOR PERSONS ON ACTIVE DUTY IN ARMED FORCES</b>
		187	0. Non-veteran
		-	1. All service in Guard/Reserve
		6	2. Some service in Guard/Reserve
		-	3. Unknown if all service in Guard/Reserve
		41	4. No active service in Guard/Reserve
		8	5. Unknown if ever active member in Guard/Reserve or served in Armed Forces
		2	Blank. Under 18 years of age
<b>51-52</b>	<b>L-2</b>		<b>EDUCATION OF INDIVIDUAL - COMPLETED YEARS</b>
		2	00. Never attended; kindergarten only
		198	01-12. Grades 1-12
			College:
		12	13. 1 year
		16	14. 2 years
		1	15. 3 years
		6	16. 4 years
		1	17. 5 years
		7	18. 6 years or more
		1	19. Unknown
		-	Blank. Under 5 years of age

## MDI6-8

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
53		Recode		<b>EDUCATION OF INDIVIDUAL RECODE</b>
			2	0. None; kindergarten only
			80	1. 1-8 years (elementary)
			45	2. 9-11 years (high school)
			73	3. 12 years (high school graduate)
			29	4. 1-3 years (college)
			6	5. 4 years (college graduate)
			8	6. 5+ years (post-college)
			1	7. Unknown
			-	Blank. Under 5 years of age
54-55		-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)</b>
			1	00. Never attended; kindergarten only
			173	01-12. Grades 1-12
				College:
			12	13. 1 year
			23	14. 2 years
			5	15. 3 years
			16	16. 4 years
			2	17. 5 years
			12	18. 6 years or more
			-	19. Unknown
56		-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER RECODE</b>
			1	0. None; kindergarten only
			59	1. 1-8 years (elementary)
			29	2. 9-11 years (high school)
			85	3. 12 years (high school graduate)
			40	4. 1-3 years (college)
			16	5. 4 years (college graduate)
			14	6. 5+ years (post-college)
			-	7. Unknown

## MDI6-9

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
57	L-8		<b>FAMILY INCOME \$20,000 OR MORE</b>
		154	1. Less than \$20,000
		80	2. \$20,000 or more
		10	3. Unknown
58-59	L-8		<b>FAMILY INCOME</b>
		1	00. Less than \$1,000
		2	01. \$ 1,000 - \$ 1,999
		3	02. 2,000 - 2,999
		7	03. 3,000 - 3,999
		8	04. 4,000 - 4,999
		11	05. 5,000 - 5,999
		7	06. 6,000 - 6,999
		8	07. 7,000 - 7,999
		7	08. 8,000 - 8,999
		9	09. 9,000 - 9,999
		12	10. 10,000 - 10,999
		10	11. 11,000 - 11,999
		7	12. 12,000 - 12,999
		4	13. 13,000 - 13,999
		4	14. 14,000 - 14,999
		2	15. 15,000 - 15,999
		5	16. 16,000 - 16,999
		5	17. 17,000 - 17,999
		4	18. 18,000 - 18,999
		3	19. 19,000 - 19,999
		18	20. 20,000 - 24,999
		18	21. 25,000 - 29,999
		7	22. 30,000 - 34,999
		3	23. 35,000 - 39,999
		7	24. 40,000 - 44,999
		6	25. 45,000 - 49,999
		9	26. \$50,000 and over
		57	27. Unknown

## MDI6-10

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
60	Recode		<b>FAMILY INCOME RECODE</b>
		21	0. Under \$5,000
		18	1. \$ 5,000 - \$ 6,999
		24	2. 7,000 - 9,999
		37	3. 10,000 - 14,999
		19	4. 15,000 - 19,999
		18	5. 20,000 - 24,999
		25	6. 25,000 - 34,999
		16	7. 35,000 - 49,999
		9	8. \$50,000 or more
		57	9. Unknown
61	Generated		<b>NHIS POVERTY INDEX*</b>
		170	1. At or above poverty threshold
		29	2. Below poverty threshold
		45	3. Unknown
62-63			<b>FAMILY RELATIONSHIP</b>
62	A-2		<b>TYPE OF FAMILY</b>
		77	&. Primary individual
		2	-. Secondary individual
		165	0. Primary family
		-	1-9. Secondary family
63	A-2		<b>RELATIONSHIP TO REFERENCE PERSON</b>
		78	&. Reference person, living alone
		103	0. Reference person, 2+ persons in household
		44	1. Spouse, other spouse NOT in Armed Forces and living at home
		-	2. Spouse, other spouse IN Armed Forces and living at home
		4	3. Child of reference person or spouse
		-	4. Grandchild of reference person or spouse
		12	5. Parent of reference person or spouse
		3	6. Other relative
		-	7. Child of military family with no eligible reference person
		-	9. DK or refused

\*Based on family size, number of children under 18 years of age and family income using the 1987 poverty levels derived from the August, 1988 Current Population Survey.

## MDI6-11

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
64	Recode		<b>FAMILY RELATIONSHIP RECODE</b>
		78	1. Living alone
		1	2. Living only with non-relative
		134	3. Living with spouse
		31	4. Living with relative - other
65-66	Generated		<b>SIZE OF FAMILY*</b>
			Unrelated individuals are coded 01
67	Generated		<b>SIZE OF FAMILY RECODE</b>
			1-8. Number of members
			9. 9+ members
68	A-2		<b>PARENT/OTHER ADULT RELATIVE (under 25 years old and never married)</b>
		3	1. Both parents, no other relative
		-	2. Mother only
		-	3. Father only
		-	4. Both parents and other 21+ year old adult relative
		-	5. Mother and other 21+ year old adult relative
		-	6. Father and other 21+ year old adult relative
		-	7. No parent, but one 21+ year old adult relative
		-	8. No parent, but two or more 21+ year old adult relatives
		-	9. Unknown
		-	0. Other
		241	Blank. Not applicable (25+ years old or ever married)

\*Count includes spouse in military but living at home.

## MDI6-12

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
69	B-1 B-8		<b>MAJOR ACTIVITY (18+ years old)</b>
		28	1. Working
		72	2. Keeping house
		1	3. Going to school
		134	4. Something else
		7	5. Unknown
		2	Blank. Not applicable (Under 18 years)
70	G-4		<b>HEALTH STATUS</b>
		14	1. Excellent
		44	2. Very Good
		63	3. Good
		77	4. Fair
		43	5. Poor
		3	6. Unknown
71	Recode		<b>ACTIVITY LIMITATION STATUS - (all ages)</b>
		41	1. Unable to perform major activity
		58	2. Limited in kind/amount major activity
		55	3. Limited in other activities
		90	4. Not limited (includes unknowns)
72	Recode		<b>ACTIVITY LIMITATION STATUS MEASURED BY "ABILITY TO WORK" (18-69 years)</b>
		18	1. Unable to work
		8	2. Limited in kind/amount of work
		8	3. Limited in other activities
		20	4. Not limited (includes unknowns)
		190	Blank. Not applicable (under 18 years, 70+ years)



## MDI6-13

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
73	B-11		<b>LIMITATION OF SCHOOL ACTIVITIES (5-17 years)</b>
		-	1. Unable to attend school
		-	2. Attends special school/classes
		-	3. Needs special school/classes
		1	4. Limited in school attendance
		1	5. Limited in other activities
		-	6. Not limited (includes unknowns)
		242	Blank. Not applicable (Under 5 years or 18+ years)
74	B-14		<b>NEEDS HELP WITH PERSONAL CARE (5-59 years old and limited, or age 60-69 years)</b>
		1	1. Unable to perform personal care needs
		5	2. Limited in performing other routine needs
		41	3. Not limited in performing personal or routine needs
		1	4. Unknown
		196	Blank. Not applicable (Under 5 years; 5-59 years not limited; 70+ years old)
75	D-1		<b>EMPLOYMENT STATUS IN PAST 2 WEEKS (18+ years)</b>
			In the Labor Force: (1-7)
			Currently employed: (1-3)
		32	1. Worked in past 2 weeks
		-	2. Did not work, has job; not on lay-off and not looking for work
		-	3. Did not work, has job; looking for work
			Unemployed: (4-7)
		-	4. Did not work, has job; on lay-off
		-	5. Did not work, has job; on lay-off and looking for work
		1	6. Did not work, has job; unknown if looking or on lay-off
		-	7. Did not work, has no job; looking for work or on lay-off
		209	Not in Labor Force (18+ years): (8)
		2	Blank. Not applicable (Under 18 years old)

## MDI6-14

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
76	L-6		<b>CLASS OF WORKER</b>
		209	0. Not in labor force
		18	1. Private company
		-	2. Federal Government employee
		2	3. State Government employee
		2	4. Local Government employee
		3	5. Incorporated business
		7	6. Self-employed
		1	7. Without pay
		-	8. Never worked
		-	9. Unknown
		2	Blank. Under 18
77-79	L-6		<b>INDUSTRY DETAIL CODE</b>
		33	010-996. Code number
		211	Blank. Not applicable
80-81	Recode		<b>INDUSTRY RECODE 1</b>
			SEE APPENDIX B
82-83	Recode		<b>INDUSTRY RECODE 2</b>
			SEE APPENDIX B
84-86	L-6		<b>OCCUPATION DETAIL CODE</b>
		33	003-999. Code number
		211	Blank. Not applicable
87-88	Recode		<b>OCCUPATION RECODE 1</b>
			SEE APPENDIX C
89-90	Recode		<b>OCCUPATION RECODE 2</b>
			SEE APPENDIX C

## MDI6-15

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
91	L-R		<b>RESPONDENT</b>
		1	0. Under 17
		187	1. Self-entirely
		23	2. Self-partly
		30	3. Proxy
		3	4. Unknown
92	Recode		<b>CONDITION LIST ASSIGNED AND ASKED</b>
		45	1. Condition List 1, Skin and musculoskeletal
		38	2. Condition List 2, Impairments
		43	3. Condition List 3, Digestive
		33	4. Condition List 4, Miscellaneous
		35	5. Condition List 5, Circulatory
		49	6. Condition List 6, Respiratory
		1	7. Unknown
93-94	G-5		<b>HEIGHT WITHOUT SHOES (18+ years)</b>
			36-98. Number of inches
			99. Unknown
			Blank. Under 18 years of age
95-97	G-5		<b>WEIGHT WITHOUT SHOES (18+ years)</b>
			050-500. Number of pounds
			501. Unknown
			Blank. Under 18 years of age
98-99	Recode		<b>TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS</b>
		189	00. None
		55	01-14. Days
100-101	D-4		<b>BED DAYS IN PAST TWO WEEKS</b>
		210	00. None
		34	01-14. Days

## MDI6-16

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
102-103	D-2		<b>WORK-LOSS DAYS IN PAST TWO WEEKS</b>
		241	00. None
		3	01-14. Days
104-105	D-3		<b>SCHOOL-LOSS DAYS IN PAST TWO WEEKS</b>
		244	00. None
		-	01-14. Days
106-107	D-6		<b>OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS</b>
		217	00. None
		27	01-14. Days
108-110	G-2		<b>BED DAYS IN PAST 12 MONTHS</b>
		107	000. None
		130	001-365. 1-365 days
		7	366. Unknown
111	Recode		<b>BED DAYS IN PAST 12 MONTHS - Recode</b>
		107	0. None
		52	1. 1-7 days
		45	2. 8-30 days
		24	3. 31-180 days
		9	4. 181-365 days
		7	5. Unknown
112-114	G-3		<b>DOCTOR VISITS IN PAST 12 MONTHS</b>
		10	000. None
		228	001-996. Visits
		-	997. 997+ visits
		6	998. Unknown

## MDI6-17

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

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

\*Based on Operation codes and reason entered hospital.

## MDI6-18

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

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*
142-171	-		BLANK
172-177	-		QUARTER BASIC WEIGHT BEFORE AGE-SEX-RACE ADJUSTMENT (has one implied decimal)
178	Master Record		TYPE OF SUBSTRATUM
		14	0. Permit
		23	1. Area, oversampled for blacks
		207	2. Area, not oversampled for blacks
179-181	-		FULL SAMPLE STRATUM IDENTIFIER
182	Master Record		REGION
		44	1. Northeast
		74	2. Midwest
		80	3. South
		46	4. West
183	Master Record		GEOGRAPHIC DISTRIBUTION
			1-4. MSA Size
		87	1. 1,000,000 or more
		62	2. 250,000 - 999,999
		22	3. 100,000 - 249,999
		8	4. Under 100,000
		65	Blank. Non-MSA
184			BLANK
185	Master Record		TYPE OF PSU
		120	1. MSA - Self-representing
		59	3. MSA - Nonself-representing
		-	4. Non-MSA - Self-representing
		65	6. Non-MSA - Nonself-representing

\*Based on Operation codes and reason entered hospital.

## MDI6-19

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
186	Recode		MSA - NON-MSA RESIDENCE
		84	1. MSA - Central City
		95	2. MSA - Not Central City
		61	3. Non-MSA - Nonfarm
		4	4. Non-MSA - Farm
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			ANNUAL (WT/4)
228-236			6.5 WEIGHT QUARTER, SEMI-ANNUAL AND ANNUAL
237-245			ESTIMATED RESTRICTED ACTIVITY DAYS IN PAST 2 WEEKS QUARTER, SEMI-ANNUAL AND ANNUAL
246-254			ESTIMATED BED DAYS IN PAST 2 WEEKS QUARTER, SEMI-ANNUAL AND ANNUAL
255-263			ESTIMATED WORK-LOSS DAYS IN PAST 2 WEEKS QUARTER, SEMI-ANNUAL AND ANNUAL
264-272			ESTIMATED SCHOOL-LOSS DAYS IN PAST 2 WEEKS QUARTER, SEMI-ANNUAL AND ANNUAL

## MDI6-20

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

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Tape Locations	Item No.	Frequency	Items and Codes
			ESTIMATED DOCTOR VISITS IN PAST 12 MONTHS
273-281			QUARTER
282-290			SEMI-ANNUAL
291-299			ANNUAL
			ESTIMATED SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
300-308			QUARTER
309-317			SEMI-ANNUAL
318-326			ANNUAL
327-335			ANNUAL ESTIMATED NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS

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MDI6-21

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
336	1a		<b>PACEMAKER A REPLACEMENT FOR PREVIOUS PACEMAKER</b>
		36	1. Yes
		208	2. No
		-	9. Unknown
337-338	1b		<b>NUMBER OF TIMES PACEMAKER REPLACED</b>
		33	01-09. 1-9 times
		1	10. 10+ times
		2	99. Unknown
		208	Blank. Not applicable
(339-353)	1c,1d		<b>REASON LAST PACEMAKER REPLACED</b>
339	1c		<b>NORMAL GROWTH</b>
		1	1. Yes
		34	2. No
		1	9. Unknown
		208	Blank. Not applicable
340	1c		<b>BATTERY FAILURE</b>
		17	1. Yes
		18	2. No
		1	9. Unknown
		208	Blank. Not applicable

## MDI6-22

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
341	1d		<b>WHEN FIRST NOTICED BATTERY FAILURE</b>
		1	1. Less than 30 days
		-	2. 30-90 days
		15	3. More than 90 days
		1	9. Unknown
		227	Blank. Not applicable
342	1c		<b>LEAD FAILURE</b>
		1	1. Yes
		34	2. No
		1	9. Unknown
		208	Blank. Not applicable
343	1d		<b>WHEN FIRST NOTICED LEAD FAILURE</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		1	3. More than 90 days
		-	9. Unknown
		243	Blank. Not applicable
344	1c		<b>OTHER MECHANICAL FAILURE</b>
		7	1. Yes
		28	2. No
		1	9. Unknown
		208	Blank. Not applicable
345	1d		<b>WHEN FIRST NOTICED MECHANICAL FAILURE</b>
		-	1. Less than 30 days
		1	2. 30-90 days
		5	3. More than 90 days
		1	9. Unknown
		237	Blank. Not applicable
346	1c		<b>INFECTION</b>
		-	1. Yes
		35	2. No
		1	9. Unknown
		208	Blank. Not applicable

## MDI6-23

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
347	1d		<b>WHEN FIRST NOTICED INFECTION</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		244	Blank. Not applicable
348	1c		<b>HEALING PROBLEM</b>
		-	1. Yes
		35	2. No
		1	9. Unknown
		208	Blank. Not applicable
349	1d		<b>WHEN FIRST NOTICED HEALING PROBLEM</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		244	Blank. Not applicable
350	1c		<b>PAIN</b>
		-	1. Yes
		35	2. No
		1	9. Unknown
		208	Blank. Not applicable
351	1d		<b>WHEN FIRST NOTICED PAIN</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		244	Blank. Not applicable
352	1c		<b>SOME OTHER REASON</b>
		11	1. Yes
		24	2. No
		1	9. Unknown
		208	Blank. Not applicable

## MDI6-24

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
353	1d		<b>WHEN FIRST NOTICED OTHER REASON</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		10	3. More than 90 days
		1	9. Unknown
		233	Blank. Not applicable
354	1e		<b>WAS LAST PACEMAKER MONITORED</b>
		35	1. Yes
		-	2. No
		1	9. Unknown
		208	Blank. Not applicable
(355-358)	1e		<b>HOW WAS LAST PACEMAKER MONITORED</b>
355			<b>TELEPHONE</b>
		21	1. Yes
		14	2. No
		-	9. Unknown
		209	Blank. Not applicable
356			<b>DOCTOR'S OFFICE</b>
		16	1. Yes
		19	2. No
		-	9. Unknown
		209	Blank. Not applicable
357			<b>HOSPITAL</b>
		3	1. Yes
		32	2. No
		-	9. Unknown
		209	Blank. Not applicable

## MDI6-25

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
358			<b>OTHER METHODS</b>
		-	1. Yes
		1	2. No
		34	9. Unknown
		209	Blank. Not applicable
359-360	1f		<b>LENGTH OF TIME HAD PACEMAKER BEFORE LAST REPLACEMENT</b>
		32	01-19. 1-19 years
		-	97. Less than 6 months
		2	98. 6-11 months
		2	99. Unknown
		208	Blank. Not applicable
(361-364)	1g		<b>MONTH AND YEAR RECEIVED PREVIOUS PACEMAKER</b>
361-362			<b>MONTH</b>
		1	00. Before 1968 (year unknown)
		1	01. January
		2	02. February
		1	03. March
		1	04. April
		1	05. May
		2	06. June
		6	07. July
		1	08. August
		3	09. September
		3	10. October
		1	11. November
		3	12. December
		-	98. 1968 or later (year unknown)
		10	99. Unknown
		208	Blank. Not applicable
363-364			<b>YEAR</b>
		1	00. Before 1968 (year unknown)
		31	60-89. 1960-1989
		-	98. 1968 or later
		4	99. Unknown
		208	Blank. Not applicable

## MDI6-26

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
	365-366	2a		<b>LENGTH OF TIME WITH CURRENT PACEMAKER</b>
			196	01-29. 1-29 years
			18	97. Less than 6 months
			22	98. 6-11 months
			8	99. Unknown
			-	Blank. Not applicable
	(367-370)	2b		<b>MONTH AND YEAR RECEIVED CURRENT PACEMAKER</b>
	367-368			<b>MONTH</b>
			-	00. Before 1968 (year unknown)
			17	01. January
			16	02. February
			23	03. March
			24	04. April
			14	05. May
			11	06. June
			19	07. July
			13	08. August
			19	09. September
			21	10. October
			9	11. November
			8	12. December
			13	98. 1968 or later (year unknown)
			37	99. Unknown
			-	Blank. Not applicable
	369-370			<b>YEAR</b>
			-	00. Before 1968 (year unknown)
			221	60-89. 1960-1989
			13	98. 1968 or later
			10	99. Unknown
			-	Blank. Not applicable

## MDI6-27

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
371	3		<b>IS CURRENT PACEMAKER MONITORED</b>
		221	1. Yes
		22	2. No
		1	9. Unknown
(372-375)	3		<b>HOW IS CURRENT PACEMAKER MONITORED</b>
372			<b>TELEPHONE</b>
		123	1. Yes
		98	2. No
		23	Blank. Not applicable
373			<b>DOCTOR'S OFFICE</b>
		88	1. Yes
		133	2. No
		23	Blank. Not applicable
374			<b>HOSPITAL</b>
		26	1. Yes
		195	2. No
		23	Blank. Not applicable
375			<b>OTHER METHOD</b>
		9	1. Yes
		212	2. No
		23	Blank. Not applicable

## MDI6-28

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
376	4		<b>CAN PRESENT PACEMAKER BE PROGRAMMED OR ADJUSTED WITHOUT SURGERY</b>
		109	1. Yes
		54	2. No
		81	9. Unknown
(377-396)	5a-5n		<b>HAD FOLLOWING PROBLEMS/COMPLICATIONS WITH/DUE TO CURRENT PACEMAKER</b>
377	5a		<b>INFECTION</b>
		3	1. Yes
		239	2. No
		2	9. Unknown
378	5b		<b>HOW LONG HAD PACEMAKER WHEN INFECTION FIRST NOTICED</b>
		2	1. Less than 30 days
		-	2. 30-90 days
		1	3. More than 90 days
		-	9. Unknown
		241	Blank. Not applicable
379	5c		<b>HEALING PROBLEMS</b>
		4	1. Yes
		239	2. No
		1	9. Unknown
380	5d		<b>HOW LONG HAD PACEMAKER WHEN HEALING PROBLEMS FIRST NOTICED</b>
		3	1. Less than 30 days
		1	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		240	Blank. Not applicable



## MDI6-29

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
381	5e		<b>PAIN OTHER THAN DISCOMFORT DUE TO SURGERY</b>
		10	1. Yes
		234	2. No
		-	9. Unknown
382	5f		<b>HOW LONG HAD PACEMAKER WHEN PAIN FIRST NOTICED</b>
		5	1. Less than 30 days
		1	2. 30-90 days
		2	3. More than 90 days
		2	9. Unknown
		234	Blank. Not applicable
383	5g		<b>IRREGULAR HEART BEAT</b>
		43	1. Yes
		190	2. No
		11	9. Unknown
384	5h		<b>HOW LONG HAD PACEMAKER WHEN IRREGULAR HEART BEAT FIRST NOTICED</b>
		11	1. Less than 30 days
		6	2. 30-90 days
		23	3. More than 90 days
		3	9. Unknown
		201	Blank. Not applicable
385	5i		<b>MECHANICAL PROBLEMS</b>
		12	1. Yes
		229	2. No
		3	9. Unknown
386	5j		<b>BATTERY FAILURE</b>
		229	0. No mechanical problem
		8	1. Yes
		4	2. No
		3	9. Unknown

## MDI6-30

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
387	5k		<b>HOW LONG HAD PACEMAKER WHEN BATTERY FAILURE FIRST NOTICED</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		8	3. More than 90 days
		236	9. Unknown
			Blank. Not applicable
388	5j		<b>LEAD FAILURE</b>
		229	0. No mechanical problem
		4	1. Yes
		8	2. No
		3	9. Unknown
389	5k		<b>HOW LONG HAD PACEMAKER WHEN LEAD FAILURE FIRST NOTICED</b>
		2	1. Less than 30 days
		-	2. 30-90 days
		2	3. More than 90 days
		-	9. Unknown
		240	Blank. Not applicable
390	5j		<b>OTHER MECHANICAL PROBLEM</b>
		229	0. No mechanical problem
		1	1. Yes
		11	2. No
		3	9. Unknown
391	5k		<b>HOW LONG HAD PACEMAKER WHEN OTHER MECHANICAL PROBLEM FIRST NOTICED</b>
		-	1. Less than 30 days
		-	2. 30-90 days
		1	3. More than 90 days
		-	9. Unknown
		243	Blank. Not applicable

## MDI6-31

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

Tape Locations	Item No.	Frequency	Items and Codes
392	51 (pgs. 34 & 35)		<b>HAD ANY OTHER PROBLEMS OR COMPLICATIONS WITH CURRENT PACEMAKER</b>
		7	1. Yes
		236	2. No
		1	9. Unknown
			Blank. Not applicable
393	5m		<b>FIRST PROBLEM</b>
		7	1. First problem
		237	Blank. Not applicable
394	5n		<b>HOW LONG HAD PACEMAKER WHEN FIRST PROBLEM FIRST NOTICED</b>
		3	1. Less than 30 days
		1	2. 30-90 days
		1	3. More than 90 days
		2	9. Unknown
		237	Blank. Not applicable
395	5m		<b>SECOND PROBLEM</b>
		1	2. Second problem
		243	Blank. No 2nd problem specified; not applicable
396	5n		<b>HOW LONG HAD PACEMAKER WHEN SECOND PROBLEM FIRST NOTICED</b>
		-	1. Less than 30 days
		1	2. 30-90 days
		-	3. More than 90 days
		-	9. Unknown
		243	Blank. Not applicable

## MDI6-32

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (PACEMAKER)

<b>Tape</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>397</b>	<b>Check Item 16</b>		<b>RESPONDENT</b>
		181	1. Self - personal
		23	2. Self - telephone
		31	3. Proxy - personal
		9	4. Proxy - telephone
		-	5. Proxy - method unknown
		-	9. Respondent unknown
<b>398-399</b>	<b>Check Item 16</b>		<b>PROXY'S RELATIONSHIP TO PERSON WITH PACEMAKER</b>
		16	01. Spouse
		-	02. Father
		3	03. Mother
		-	04. Brother
		1	05. Sister
		2	06. Son
		11	07. Daughter
		-	08. Aunt
		-	09. Uncle
		-	10. Grandmother (Great)
		-	11. Grandfather (Great)
		-	12. Grandson
		-	13. Granddaughter
		3	14. Not related
		-	15. DK if related
		2	88. Other relative
		2	99. Relationship unknown
		204	Blank. Not applicable
<b>400-410</b>			<b>BLANK</b>

MDI7-1

NHIS PUBLIC USE TAPE RECORDS  
 Outline of Items and Codes  
 Number of Records = 2,004  
 1988 Medical Device Implant Record  
 Other Devices

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-		<b>RECORD TYPE</b>
		2,004	66. Medical Device (Other Devices)
3-4	-		<b>PROCESSING YEAR</b>
		2,004	88. 1988
5	-		<b>PROCESSING QUARTER</b>
		488	1. Quarter 1
		523	2. Quarter 2
		503	3. Quarter 3
		490	4. Quarter 4
6-8	HH-5		<b>RANDOM RECODE OF PSU NUMBER</b>
9-10	HH-5		<b>WEEK - CENSUS CODE*</b>
			01, 21, 41, 61, 81 ... Week 01
			02, 22, 42, 62, 82 ... Week 02
			03, 23, 43, 63, 83 ... Week 03
			04, 24, 44, 64, 84 ... Week 04
			05, 25, 45, 65, 85 ... Week 05
			06, 26, 46, 66, 86 ... Week 06
			07, 27, 47, 67, 87 ... Week 07
			08, 28, 48, 68, 88 ... Week 08
			09, 29, 49, 69, 89 ... Week 09
			10, 30, 50, 70, 90 ... Week 10
			11, 31, 51, 71, 91 ... Week 11
			12, 32, 52, 72, 92 ... Week 12
			13, 33, 53, 73, 93 ... 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.

MDI7-2

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes																										
11-12	HH-5		<p><b>SEGMENT NUMBER</b></p> <p>Week plus Segment Number identifies the segment</p>																										
13-14	HH-5		<p><b>HOUSEHOLD NUMBER</b></p> <p>Numbered within PSU-Week-Segment</p>																										
15-16	-		<p><b>PERSON NUMBER</b></p>																										
17-18	-		<p><b>RECORD SERIAL NUMBER</b></p>																										
19-20	HH-5		<p><b>PROCESSING WEEK CODE</b> (Numbered within Quarter)</p> <table> <tr><td>173</td><td>01. Week 1</td></tr> <tr><td>159</td><td>02. Week 2</td></tr> <tr><td>147</td><td>03. Week 3</td></tr> <tr><td>135</td><td>04. Week 4</td></tr> <tr><td>162</td><td>05. Week 5</td></tr> <tr><td>136</td><td>06. Week 6</td></tr> <tr><td>173</td><td>07. Week 7</td></tr> <tr><td>150</td><td>08. Week 8</td></tr> <tr><td>154</td><td>09. Week 9</td></tr> <tr><td>145</td><td>10. Week 10</td></tr> <tr><td>171</td><td>11. Week 11</td></tr> <tr><td>177</td><td>12. Week 12</td></tr> <tr><td>122</td><td>13. Week 13</td></tr> </table>	173	01. Week 1	159	02. Week 2	147	03. Week 3	135	04. Week 4	162	05. Week 5	136	06. Week 6	173	07. Week 7	150	08. Week 8	154	09. Week 9	145	10. Week 10	171	11. Week 11	177	12. Week 12	122	13. Week 13
173	01. Week 1																												
159	02. Week 2																												
147	03. Week 3																												
135	04. Week 4																												
162	05. Week 5																												
136	06. Week 6																												
173	07. Week 7																												
150	08. Week 8																												
154	09. Week 9																												
145	10. Week 10																												
171	11. Week 11																												
177	12. Week 12																												
122	13. Week 13																												
21	-		<p><b>BLANK</b></p>																										

## MDI7-3

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
22-23	HH-10c,d		<b>TYPE OF LIVING QUARTERS:</b>
			Housing Unit = (00-07)
		7	00. Housing unit; kind unknown
		1,870	01. House, apartment, flat
		-	02. HU in nontransient hotel, motel, etc.
		-	03. HU-permanent in transient hotel, motel, etc.
		-	04. HU in rooming house
		105	05. Mobile home or trailer with no permanent room added
		12	06. Mobile home or trailer with one or more permanent rooms added
		-	07. HU not specified above
			Other Unit = (08-13)
		-	08. Quarters not HU in rooming or boarding house
		-	09. Unit not permanent in transient hotel, motel, etc.
		4	10. Unoccupied site for mobile home, trailer, or tent
		5	11. Student quarters in college dormitory
		1	12. Other unit not specified above
		-	13. Other unit; kind unknown
24	HH-11		<b>HAS TELEPHONE</b>
		1,832	1. Yes, phone number given
		63	2. Yes, no phone number given
		98	3. No
		11	4. Unknown
25	A-1		<b>SEX</b>
		983	1. Male
		1,021	2. Female
26	-		<b>BLANK</b>

## MDI7-4

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
27-28	Person Column		AGE
		21	00. Under 1 year
		1,983	01-98. Number of years
		-	99. 99+ years of age
29	Recode		AGE RECODE #1
		369	1. Under 5 years
		414	2. 5-17 years
		73	3. 18-24 years
		493	4. 25-44 years
		362	5. 45-64 years
		115	6. 65-69 years
		77	7. 70-74 years
		101	8. 75 years and over
30	Recode		AGE RECODE #2
		454	1. Under 6 years
		325	2. 6-16 years
		77	3. 17-24 years
		211	4. 25-34 years
		282	5. 35-44 years
		171	6. 45-54 years
		191	7. 55-64 years
		192	8. 65-74 years
		101	9. 75 years and over
31-32	Recode		AGE RECODE #3
		230	00-35. Months
		1,774	36. Over 3 years
33	-		BLANK



## MDI7-5

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>34-39</b>	<b>A-3</b>		<b>MONTH AND YEAR OF BIRTH</b>
<b>34-35</b>			<b>MONTH</b>
			01. January                      08. August
			02. February                    09. September
			03. March                        10. October
			04. April                         11. November
			05. May                          12. December
			06. June                         99. DK or refused
			07. July
<b>36-39</b>			<b>YEAR OF BIRTH</b>
			1800-1899. 1800-1899
			1900-1989. 1900-1989
			9999. DK or refused
<b>40-41</b>			<b>BLANK</b>
<b>42</b>	<b>L-3</b>		<b>MAIN RACIAL BACKGROUND - Reported</b>
		15	1. Aleut, Eskimo, or American Indian
		15	2. Asian/Pacific Islander
		136	3. Black
		1,805	4. White
		7	5. Other
		1	6. Multiple race
		25	7. Unknown

## MDI7-6

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
43-45	Recode		RACE RECODES
43			RECODE 1
		1,837	1. White
		137	2. Black
		30	3. Other
44			RECODE 2
		1,837	1. White
		167	2. Non-white
45			RECODE 3
		137	1. Black
		1,867	2. Non-black
46-47	L-4		HISPANIC ORIGIN
		-	00. Multiple Hispanic
		16	01. Puerto Rican
		6	02. Cuban
		7	03. Mexican-Mexicano
		38	04. Mexican-American
		-	05. Chicano
		7	06. Other Latin American
		13	07. Other Spanish
		2	08. Spanish, DK type
		26	09. Unknown if Spanish origin
		1,889	10. Not Spanish origin
48	L-7		MARITAL STATUS
		751	0. Under 14 years
		807	1. Married - spouse in household
		17	2. Married - spouse not in household
		108	3. Widowed
		157	4. Divorced
		24	5. Separated
		138	6. Never married
		2	7. Unknown

## MDI7-7

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>49</b>	<b>L-1</b>			<b>VETERAN STATUS</b>
			943	1. Non-veteran
			1	2. WW I
			107	3. WW II
			44	4. Korean War
			56	5. Vietnam veteran
			27	6. Post-Vietnam
			30	7. Other service
			1	8. Served in Armed Forces, unknown if war veteran
			12	9. Unknown if served in Armed Forces
			783	Blank. Under 18 years of age
<b>50</b>	<b>L-1</b>			<b>ACTIVE GUARD/RESERVE STATUS FOR PERSONS ON ACTIVE DUTY IN ARMED FORCES</b>
			943	0. Non-veteran
			5	1. All service in Guard/Reserve
			49	2. Some service in Guard/Reserve
			-	3. Unknown if all service in Guard/Reserve
			200	4. No active service in Guard/Reserve
			24	5. Unknown if ever active member in Guard/Reserve or served in Armed Forces
			783	Blank. Under 18 years of age
<b>51-52</b>	<b>L-2</b>			<b>EDUCATION OF INDIVIDUAL - COMPLETED YEARS</b>
			179	00. Never attended; kindergarten only
			987	01-12. Grades 1-12
				College:
			92	13. 1 year
			111	14. 2 years
			49	15. 3 years
			110	16. 4 years
			21	17. 5 years
			70	18. 6 years or more
			16	19. Unknown
			369	Blank. Under 5 years of age

## MDI7-8

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
53	Recode		<b>EDUCATION OF INDIVIDUAL RECODE</b>
		179	0. None; kindergarten only
		340	1. 1-8 years (elementary)
		206	2. 9-11 years (high school)
		441	3. 12 years (high school graduate)
		252	4. 1-3 years (college)
		110	5. 4 years (college graduate)
		91	6. 5+ years (post-college)
		16	7. Unknown
		369	Blank. Under 5 years of age
54-55	-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER (Detail)</b>
		-	00. Never attended; kindergarten only
		984	01-12. Grades 1-12
			College:
		162	13. 1 year
		263	14. 2 years
		104	15. 3 years
		260	16. 4 years
		58	17. 5 years
		169	18. 6 years or more
		4	19. Unknown
56	-		<b>HIGHEST EDUCATION OF RESPONSIBLE ADULT FAMILY MEMBER RECODE</b>
		-	0. None; kindergarten only
		70	1. 1-8 years (elementary)
		194	2. 9-11 years (high school)
		720	3. 12 years (high school graduate)
		529	4. 1-3 years (college)
		260	5. 4 years (college graduate)
		227	6. 5+ years (post-college)
		4	7. Unknown

## MDI7-9

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
57	L-8		<b>FAMILY INCOME \$20,000 OR MORE</b>
		717	1. Less than \$20,000
		1,246	2. \$20,000 or more
		41	3. Unknown
58-59	L-8		<b>FAMILY INCOME</b>
		8	00. Less than \$1,000
		12	01. \$ 1,000 - \$ 1,999
		10	02. 2,000 - 2,999
		28	03. 3,000 - 3,999
		38	04. 4,000 - 4,999
		30	05. 5,000 - 5,999
		43	06. 6,000 - 6,999
		29	07. 7,000 - 7,999
		52	08. 8,000 - 8,999
		35	09. 9,000 - 9,999
		36	10. 10,000 - 10,999
		27	11. 11,000 - 11,999
		35	12. 12,000 - 12,999
		27	13. 13,000 - 13,999
		27	14. 14,000 - 14,999
		45	15. 15,000 - 15,999
		32	16. 16,000 - 16,999
		42	17. 17,000 - 17,999
		44	18. 18,000 - 18,999
		44	19. 19,000 - 19,999
		175	20. 20,000 - 24,999
		191	21. 25,000 - 29,999
		129	22. 30,000 - 34,999
		142	23. 35,000 - 39,999
		134	24. 40,000 - 44,999
		74	25. 45,000 - 49,999
		304	26. \$50,000 and over
		211	27. Unknown

## MDI7-10

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
60	Recode		<b>FAMILY INCOME RECODE</b>
		96	0. Under \$5,000
		73	1. \$ 5,000 - \$ 6,999
		116	2. 7,000 - 9,999
		152	3. 10,000 - 14,999
		207	4. 15,000 - 19,999
		175	5. 20,000 - 24,999
		320	6. 25,000 - 34,999
		350	7. 35,000 - 49,999
		304	8. \$50,000 or more
		211	9. Unknown
61	Generated		<b>NHIS POVERTY INDEX*</b>
		1,652	1. At or above poverty threshold
		238	2. Below poverty threshold
		114	3. Unknown
62-63			<b>FAMILY RELATIONSHIP</b>
62	A-2		<b>TYPE OF FAMILY</b>
		218	&. Primary individual
		22	-. Secondary individual
		1,764	0. Primary family
		-	1-9. Secondary family
63	A-2		<b>RELATIONSHIP TO REFERENCE PERSON</b>
		199	&. Reference person, living alone
		520	0. Reference person, 2+ persons in household
		408	1. Spouse, other spouse NOT in Armed Forces and living at home
		8	2. Spouse, other spouse IN Armed Forces and living at home
		804	3. Child of reference person or spouse
		31	4. Grandchild of reference person or spouse
		16	5. Parent of reference person or spouse
		18	6. Other relative
		-	7. Child of military family with no eligible reference person
		-	9. DK or refused

\*Based on family size, number of children under 18 years of age and family income using the 1987 poverty levels derived from the August, 1988 Current Population Survey.

## MDI7-11

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
64	Recode		<b>FAMILY RELATIONSHIP RECODE</b>
		199	1. Living alone
		41	2. Living only with non-relative
		807	3. Living with spouse
		957	4. Living with relative - other
65-66	Generated		<b>SIZE OF FAMILY*</b>
			Unrelated individuals are coded 01
67	Generated		<b>SIZE OF FAMILY RECODE</b>
			1-8. Number of members
			9. 9+ members
68	A-2		<b>PARENT/OTHER ADULT RELATIVE (under 25 years old and never married)</b>
		604	1. Both parents, no other relative
		135	2. Mother only
		5	3. Father only
		19	4. Both parents and other 21+ year old adult relative
		35	5. Mother and other 21+ year old adult relative
		-	6. Father and other 21+ year old adult relative
		-	7. No parent, but one 21+ year old adult relative
		8	8. No parent, but two or more 21+ year old adult relatives
		1	9. Unknown
		13	0. Other
		1,184	Blank. Not applicable (25+ years old or ever married)

\*Count includes spouse in military but living at home.

## MDI7-12

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
69	B-1 B-8		<b>MAJOR ACTIVITY (18+ years old)</b>
		602	1. Working
		250	2. Keeping house
		25	3. Going to school
		335	4. Something else
		9	5. Unknown
		783	Blank. Not applicable (Under 18 years)
70	G-4		<b>HEALTH STATUS</b>
		523	1. Excellent
		517	2. Very Good
		486	3. Good
		249	4. Fair
		218	5. Poor
		11	6. Unknown
71	Recode		<b>ACTIVITY LIMITATION STATUS - (all ages)</b>
		294	1. Unable to perform major activity
		276	2. Limited in kind/amount major activity
		145	3. Limited in other activities
		1,289	4. Not limited (includes unknowns)
72	Recode		<b>ACTIVITY LIMITATION STATUS MEASURED BY "ABILITY TO WORK" (18-69 years)</b>
		260	1. Unable to work
		111	2. Limited in kind/amount of work
		62	3. Limited in other activities
		610	4. Not limited (includes unknowns)
		961	Blank. Not applicable (under 18 years, 70+ years)



## MDI7-13

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
73	B-11		<b>LIMITATION OF SCHOOL ACTIVITIES (5-17 years)</b>
		7	1. Unable to attend school
		41	2. Attends special school/classes
		8	3. Needs special school/classes
		21	4. Limited in school attendance
		25	5. Limited in other activities
		312	6. Not limited (includes unknowns)
		1,590	Blank. Not applicable (Under 5 years or 18+ years)
74	B-14		<b>NEEDS HELP WITH PERSONAL CARE (5-59 years old and limited, or age 60-69 years)</b>
		68	1. Unable to perform personal care needs
		84	2. Limited in performing other routine needs
		441	3. Not limited in performing personal or routine needs
		1	4. Unknown
		1,410	Blank. Not applicable (Under 5 years; 5-59 years not limited; 70+ years old)
75	D-1		<b>EMPLOYMENT STATUS IN PAST 2 WEEKS (18+ years)</b>
			In the Labor Force: (1-7)
			Currently employed: (1-3)
		596	1. Worked in past 2 weeks
		23	2. Did not work, has job; not on lay-off and not looking for work
		-	3. Did not work, has job; looking for work
			Unemployed: (4-7)
		-	4. Did not work, has job; on lay-off
		-	5. Did not work, has job; on lay-off and looking for work
		6	6. Did not work, has job; unknown if looking or on lay-off
		27	7. Did not work, has no job; looking for work or on lay-off
		569	Not in Labor Force (18+ years): (8)
		783	Blank. Not applicable (Under 18 years old)

## MDI7-14

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
76	L-6		<b>CLASS OF WORKER</b>
		569	0. Not in labor force
		455	1. Private company
		21	2. Federal Government employee
		22	3. State Government employee
		56	4. Local Government employee
		16	5. Incorporated business
		70	6. Self-employed
		3	7. Without pay
		-	8. Never worked
		9	9. Unknown
		783	Blank. Under 18
77-79	L-6		<b>INDUSTRY DETAIL CODE</b>
		652	010-996. Code number
		1,352	Blank. Not applicable
80-81	Recode		<b>INDUSTRY RECODE 1</b>
			SEE APPENDIX B
82-83	Recode		<b>INDUSTRY RECODE 2</b>
			SEE APPENDIX B
84-86	L-6		<b>OCCUPATION DETAIL CODE</b>
		652	003-999. Code number
		1,352	Blank. Not applicable
87-88	Recode		<b>OCCUPATION RECODE 1</b>
			SEE APPENDIX C
89-90	Recode		<b>OCCUPATION RECODE 2</b>
			SEE APPENDIX C

## MDI7-15

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
<b>91</b>	<b>L-R</b>		<b>RESPONDENT</b>
		779	0. Under 17
		903	1. Self-entirely
		104	2. Self-partly
		212	3. Proxy
		6	4. Unknown
<b>92</b>	<b>Recode</b>		<b>CONDITION LIST ASSIGNED AND ASKED</b>
		316	1. Condition List 1, Skin and musculoskeletal
		330	2. Condition List 2, Impairments
		352	3. Condition List 3, Digestive
		331	4. Condition List 4, Miscellaneous
		306	5. Condition List 5, Circulatory
		368	6. Condition List 6, Respiratory
		1	7. Unknown
<b>93-94</b>	<b>G-5</b>		<b>HEIGHT WITHOUT SHOES (18+ years)</b>
			36-98. Number of inches
			99. Unknown
			Blank. Under 18 years of age
<b>95-97</b>	<b>G-5</b>		<b>WEIGHT WITHOUT SHOES (18+ years)</b>
			050-500. Number of pounds
			501. Unknown
			Blank. Under 18 years of age
<b>98-99</b>	<b>Recode</b>		<b>TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS</b>
		1,586	00. None
		418	01-14. Days
<b>100-101</b>	<b>D-4</b>		<b>BED DAYS IN PAST TWO WEEKS</b>
		1,748	00. None
		256	01-14. Days

## MDI7-16

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
102-103	D-2		WORK-LOSS DAYS IN PAST TWO WEEKS
		1,933	00. None
		71	01-14. Days
104-105	D-3		SCHOOL-LOSS DAYS IN PAST TWO WEEKS
		1,944	00. None
		60	01-14. Days
106-107	D-6		OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS
		1,790	00. None
		214	01-14. Days
108-110	G-2		BED DAYS IN PAST 12 MONTHS
		697	000. None
		1,285	001-365. 1-365 days
		22	366. Unknown
111	Recode		BED DAYS IN PAST 12 MONTHS - Recode
		697	0. None
		743	1. 1-7 days
		322	2. 8-30 days
		163	3. 31-180 days
		57	4. 181-365 days
		22	5. Unknown
112-114	G-3		DOCTOR VISITS IN PAST 12 MONTHS
		180	000. None
		1,815	001-996. Visits
		-	997. 997+ visits
		9	998. Unknown

## MDI7-17

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
115	G-3		INTERVAL SINCE LAST DOCTOR VISIT
		-	0. Never
		1,831	1. Less than 1 year
		102	2. 1 to less than 2 years
		49	3. 2 to less than 5 years
		10	4. 5 years or more
		12	5. Unknown
116-117	Generated		NUMBER OF CONDITIONS
118-119	Generated		NUMBER OF ACUTE INCIDENCE CONDITIONS
120-121	Generated		NUMBER OF TWO-WEEK DOCTOR VISITS
122-123	Generated		NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
124-126	Generated		SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
127-128	Generated		NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS EXCLUDING DELIVERY*
129-131	Generated		SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS EXCLUDING DELIVERY*
132-133	Generated		NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS
134-136	Generated		NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS
137-138	Generated		NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*

\*Based on Operation codes and reason entered hospital.

## MDI7-18

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

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*
142-171	-		BLANK
172-177	-		QUARTER BASIC WEIGHT BEFORE AGE-SEX-RACE ADJUSTMENT (has one implied decimal)
178	Master Record		TYPE OF SUBSTRATUM
		289	0. Permit
		99	1. Area, oversampled for blacks
		1,616	2. Area, not oversampled for blacks
179-181	-		FULL SAMPLE STRATUM IDENTIFIER
182	Master Record		REGION
		265	1. Northeast
		579	2. Midwest
		740	3. South
		420	4. West
183	Master Record		GEOGRAPHIC DISTRIBUTION
			1-4. MSA Size
		739	1. 1,000,000 or more
		556	2. 250,000 - 999,999
		133	3. 100,000 - 249,999
		27	4. Under 100,000
		549	Blank. Non-MSA
184			BLANK
185	Master Record		TYPE OF PSU
		986	1. MSA - Self-representing
		469	3. MSA - Nonself-representing
		-	4. Non-MSA - Self-representing
		549	6. Non-MSA - Nonself-representing

\*Based on Operation codes and reason entered hospital.

## MDI7-19

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
186	Recode		MSA - NON-MSA RESIDENCE
		558	1. MSA - Central City
		897	2. MSA - Not Central City
		530	3. Non-MSA - Nonfarm
		19	4. Non-MSA - Farm
187-189			PSEUDO PSU CODES
190-200			CHRONIC CONDITION PREVALENCE AND INCIDENCE FACTOR (XX.XXXXXXXXXX) - character format with implied decimal
			FINAL BASIC WEIGHT
201-209			QUARTER
210-218			SEMI-ANNUAL (WT/4)
219-227			ANNUAL (WT/4)
			6.5 WEIGHT
228-236			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED RESTRICTED ACTIVITY DAYS IN PAST 2 WEEKS
237-245			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED BED DAYS IN PAST 2 WEEKS
246-254			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED WORK-LOSS DAYS IN PAST 2 WEEKS
255-263			QUARTER, SEMI-ANNUAL AND ANNUAL
			ESTIMATED SCHOOL-LOSS DAYS IN PAST 2 WEEKS
264-272			QUARTER, SEMI-ANNUAL AND ANNUAL

## MDI7-20

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

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Tape Locations	Item No.	Frequency	Items and Codes
			ESTIMATED DOCTOR VISITS IN PAST 12 MONTHS
273-281			QUARTER
282-290			SEMI-ANNUAL
291-299			ANNUAL
			ESTIMATED SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
300-308			QUARTER
309-317			SEMI-ANNUAL
318-326			ANNUAL
327-335			ANNUAL ESTIMATED NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS

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## MDI7-21

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
336-337	Check Item 17		<b>TYPE OF "OTHER MEDICAL DEVICE" REMAINING ITEMS REFER TO</b>
		757	01. Ear vent tubes
		134	02. Dental implant
		2	03. Spinal cord stimulator
		4	04. Artificial esophageal- gastric sphincter
		291	05. Silicone implant
		8	06. Infusion pump
		174	07. Shunt or catheter
		126	08. Artificial blood vessel (arteries or veins)
		16	09. Artificial ligament
		3	10. Artificial urinary sphincter
		390	88. Other device
		99	99. Unknown
338	Recode		<b>TYPE OF SHUNT</b>
		66	1. Central Nervous System Shunt
		96	2. Other type of shunt or catheter
		12	3. Shunt or catheter, type unknown
		1,830	4. Not a Shunt or catheter
339	Generated		<b>IS THIS FIRST OTHER DEVICE RECORD OF THIS TYPE* (*In Loc 336-337)</b>
		1,488	1. Yes
		516	2. No
340	Generated		<b>TOTAL NUMBER OF "OTHER DEVICES" FOR THIS PERSON</b>
		2,004	1-9. Total number of other devices
341	Generated		<b>NUMBER OF OTHER DEVICES* OF THIS TYPE FOR PERSON (*Type of Device in 336-337)</b>
		1,488	1-9. Number of this type
		516	Blank.
342	1a		<b>REASON FOR INFUSION PUMP</b>
		6	1. Chemotherapy
		-	2. Insulin
		1	8. Other
		1	9. Reason unknown
		1,996	Blank. Device not an infusion pump

## MDI7-22

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
343	1b		<b>PUMP IMPLANTED INSIDE BODY OR WORN ON OUTSIDE</b>
		7	1. Inside only
		1	2. Outside (includes both on inside and outside)
		-	9. Unknown
		1,996	Blank. Devices not an infusion pump
(344-352)	2a		<b>PART OF BODY OTHER DEVICE LOCATED</b>
344-346			<b>FIRST BODY PART</b>
		35	100. Head
		8	101. Skull
		19	102. Brain
		26	103. Eye, left or right
		560	104. Ear, left or right
		3	105. Cochlea, left or right
		8	106. Nose
		127	107. Mouth
		6	108. Chin
		10	109. Jaw
		3	110. Facial Bones
		-	111. Brain blood vessels
		17	200. Neck
		35	300. Chest
		34	301. Heart
		16	302. Aorta
		2	303. Lung, left or right
		176	304. Breast, left or right
		8	305. Esophagus
		46	400. Abdomen
		45	401. Stomach
		2	402. Liver
		-	403. Pancreas
		1	404. Spleen
		1	405. Intestine, small; duodenum
		1	406. Intestine, large (includes colon)
		3	407. Rectum
		2	408. Intestine, unspecified
		8	409. Kidney, left or right
		-	410. Ureter, left or right
		9	500. Pelvis
		18	501. Bladder

## MDI7-23

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
344-346	2a		<b>FIRST BODY PART - cont.</b>
		2	502. Urethra
		4	503. Prostate
		8	504. Penis
		2	505. Uterus
		-	506. Cervix
		3	507. Vagina
		2	600. Back spine/vertebrae
		1	601. Back spine/vertebrae-upper
		-	602. Back spine/vertebrae-middle
		12	603. Back spine/vertebrae-lower
		3	604. Spinal cord
		-	700. Extremity/limb
		23	701. Arm, left or right
		3	702. Arm-upper, left or right
		14	703. Arm-lower, left or right
		7	704. Wrist, left or right
		5	705. Hand, left or right
		32	706. Leg, left or right
		15	707. Leg-upper, left or right
		6	708. Leg-lower, left or right
		24	709. Knee, left or right
		3	710. Foot, left or right
		6	711. Ankle, left or right
		2	712. Toes, left or right
		61	888. Other body parts
		21	999. Unknown
		516	Blank.
347-349	2a		<b>SECOND BODY PART</b>
		-	100. Head
		-	101. Skull
		-	102. Brain
		1	103. Eye, left or right
		-	104. Ear, left or right
		-	105. Cochlea, left or right
		-	106. Nose
		-	107. Mouth
		1	108. Chin
		-	109. Jaw

## MDI7-24

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape	Locations	Item No.	Frequency	Items and Codes
347-349				<b>SECOND BODY PART - cont.</b>
			-	110. Facial Bones
			-	111. Brain blood vessels
			1	200. Neck
			-	300. Chest
			1	301. Heart
			2	302. Aorta
			-	303. Lung, left or right
			1	304. Breast, left or right
			-	305. Esophagus
			1	400. Abdomen
			7	401. Stomach
			-	402. Liver
			-	403. Pancreas
			-	404. Spleen
			-	405. Intestine, small; duodenum
			-	406. Intestine, large (includes colon)
			-	407. Rectum
			-	408. Intestine, unspecified
			-	409. Kidney, left or right
			-	410. Ureter, left or right
			-	500. Pelvis
			2	501. Bladder
			-	502. Urethra
			-	503. Prostate
			-	504. Penis
			-	505. Uterus
			-	506. Cervix
			-	507. Vagina
			-	600. Back spine/vertebrae
			-	601. Back spine/vertebrae-upper
			-	602. Back spine/vertebrae-middle
			-	603. Back spine/vertebrae-lower
			-	604. Spinal cord
			-	700. Extremity/limb
			1	701. Arm, left or right
			-	702. Arm-upper, left or right
			1	703. Arm-lower, left or right
			-	704. Wrist, left or right
			-	705. Hand, left or right
			7	706. Leg, left or right

## MDI7-25

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
347-349			<b>SECOND BODY PART - cont.</b>
		3	707. Leg-upper, left or right
		-	708. Leg-lower, left or right
		-	709. Knee, left or right
		-	710. Foot, left or right
		-	711. Ankle, left or right
		-	712. Toes, left or right
		3	888. Other body parts
		-	999. Unknown
		1,972	Blank.
350-352	2a		<b>THIRD BODY PART</b>
		-	100. Head
		-	101. Skull
		-	102. Brain
		-	103. Eye, left or right
		-	104. Ear, left or right
		-	105. Cochlea, left or right
		-	106. Nose
		-	107. Mouth
		-	108. Chin
		-	109. Jaw
		-	110. Facial Bones
		-	111. Brain blood vessels
		-	200. Neck
		-	300. Chest
		1	301. Heart
		1	302. Aorta
		-	303. Lung, left or right
		-	304. Breast, left or right
		-	305. Esophagus
		-	400. Abdomen
		-	401. Stomach
		-	402. Liver
		-	403. Pancreas
		-	404. Spleen
		-	405. Intestine, small; duodenum
		-	406. Intestine, large (includes colon)

## MDI7-26

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape	Locations	Item No.	Frequency	Items and Codes
350-352				<b>THIRD BODY PART - cont.</b>
			-	407. Rectum
			-	408. Intestine, unspecified
			-	409. Kidney, left or right
			-	410. Ureter, left or right
			-	500. Pelvis
			-	501. Bladder
			1	502. Urethra
			-	503. Prostate
			-	504. Penis
			-	505. Uterus
			-	506. Cervix
			-	507. Vagina
			-	600. Back spine/vertebrae
			-	601. Back spine/vertebrae-upper
			-	602. Back spine/vertebrae-middle
			-	603. Back spine/vertebrae-lower
			-	604. Spinal cord
			-	700. Extremity/limb
			-	701. Arm, left or right
			-	702. Arm-upper, left or right
			-	703. Arm-lower, left or right
			-	704. Wrist, left or right
			-	705. Hand, left or right
			4	706. Leg, left or right
			1	707. Leg-upper, left or right
			-	708. Leg-lower, left or right
			1	709. Knee, left or right
			-	710. Foot, left or right
			-	711. Ankle, left or right
			-	712. Toes, left or right
			-	888. Other body parts
			-	999. Unknown
			1,995	Blank.

## MDI7-27

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape	Item No.	Frequency	Items and Codes
353-355	Check Item 19		BODY PART THIS MEDICAL DEVICE LOCATED IN (Check Item 19)
		39	100. Head
		8	101. Skull
		20	102. Brain
		28	103. Eye, left or right
		843	104. Ear, left or right
		5	105. Cochlea, left or right
		8	106. Nose
		150	107. Mouth
		7	108. Chin
		11	109. Jaw
		3	110. Facial Bones
		-	111. Brain blood vessels
		21	200. Neck
		36	300. Chest
		38	301. Heart
		19	302. Aorta
		2	303. Lung, left or right
		293	304. Breast, left or right
		8	305. Esophagus
		47	400. Abdomen
		55	401. Stomach
		2	402. Liver
		-	403. Pancreas
		1	404. Spleen
		1	405. Intestine, small; duodenum
		1	406. Intestine, large (includes colon)
		3	407. Rectum
		2	408. Intestine, unspecified
		8	409. Kidney, left or right
		-	410. Ureter, left or right
		10	500. Pelvis
		20	501. Bladder
		4	502. Urethra
		4	503. Prostate
		9	504. Penis
		2	505. Uterus
		-	506. Cervix
		3	507. Vagina
		2	600. Back spine/vertebrae

## MDI7-28

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
353-355		Check Item 19		<b>BODY PART THIS MEDICAL DEVICE</b> LOCATED IN CHECK ITEM 19 - cont.
			1	601. Back spine/vertebrae-upper
			-	602. Back spine/vertebrae-middle
			12	603. Back spine/vertebrae-lower
			3	604. Spinal cord
			-	700. Extremity/limb
			26	701. Arm, left or right
			3	702. Arm-upper, left or right
			17	703. Arm-lower, left or right
			7	704. Wrist, left or right
			6	705. Hand, left or right
			52	706. Leg, left or right
			24	707. Leg-upper, left or right
			7	708. Leg-lower, left or right
			28	709. Knee, left or right
			4	710. Foot, left or right
			6	711. Ankle, left or right
			2	712. Toes, left or right
			71	888. Other body parts
			22	999. Unknown
356		3a		<b>IS DEVICE A REPLACEMENT</b>
			412	1. Yes
			1,555	2. No
			37	9. Unknown
357-358		3b		<b>NUMBER OF TIMES DEVICE REPLACED</b>
			392	01-09. 1-9 times
			11	10. 10+ times
			9	99. Unknown
			1,592	Blank. Not applicable
(359-375)		3c, 3d		<b>REASON LAST DEVICE REPLACED</b>
359		3c		<b>NORMAL GROWTH</b>
			48	1. Yes
			360	2. No
			4	9. Unknown
			1,592	Blank. Not applicable



## MDI7-29

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
360	3c		<b>INFECTION</b>
		106	1. Yes
		302	2. No
		4	9. Unknown
		1,592	Blank. Not applicable
361	3d		<b>WHEN FIRST NOTICED INFECTION</b>
		17	1. Less than 30 days
		15	2. 30-90 days
		69	3. More than 90 days
		5	9. Unknown
		1,898	Blank. Not applicable
362	3c		<b>DEFECT OR MALFUNCTION</b>
		65	1. Yes
		343	2. No
		4	9. Unknown
		1,592	Blank. Not applicable
363	3d		<b>WHEN FIRST NOTICED DEFECT OR MALFUNCTION</b>
		6	1. Less than 30 days
		9	2. 30-90 days
		47	3. More than 90 days
		3	9. Unknown
		1,939	Blank. Not applicable
364	3c		<b>HEALING PROBLEM</b>
		11	1. Yes
		397	2. No
		4	9. Unknown
		1,592	Blank. Not applicable
365	3d		<b>WHEN NOTICED HEALING PROBLEM</b>
		4	1. Less than 30 days
		-	2. 30-90 days
		7	3. More than 90 days
		-	9. Unknown
		1,993	Blank. Not applicable

## MDI7-30

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
366	3c		<b>PAIN</b>
		17	1. Yes
		391	2. No
		4	9. Unknown
		1,592	Blank. Not applicable
367	3d		<b>WHEN FIRST NOTICED PAIN</b>
		6	1. Less than 30 days
		1	2. 30-90 days
		10	3. More than 90 days
		-	9. Unknown
		1,987	Blank. Not applicable
368	3c		<b>BLOOD CLOTS</b>
		12	1. Yes
		396	2. No
		4	9. Unknown
		1,592	Blank. Not applicable
369	3d		<b>WHEN FIRST NOTICED BLOOD CLOTS</b>
		3	1. Less than 30 days
		1	2. 30-90 days
		8	3. More than 90 days
		-	9. Unknown
		1,992	Blank. Not applicable
370	3c		<b>BLEEDING</b>
		6	1. Yes
		402	2. No
		4	9. Unknown
		1,592	Blank. Not applicable
371	3d		<b>WHEN FIRST NOTICED BLEEDING</b>
		2	1. Less than 30 days
		2	2. 30-90 days
		2	3. More than 90 days
		-	9. Unknown
		1,998	Blank. Not applicable

## MDI7-31

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
372	3c		<b>INJURY</b>
		2	1. Yes
		406	2. No
		4	9. Unknown
		1,592	Blank. Not applicable
373	3d		<b>WHEN FIRST NOTICED INJURY</b>
		-	1. Less than 30 days
		1	2. 30-90 days
		1	3. More than 90 days
		-	9. Unknown
		2,002	Blank. Not applicable
374	3c		<b>SOME OTHER REASON</b>
		208	1. Yes
		200	2. No
		4	9. Unknown
		1,592	Blank. Not applicable
375	3d		<b>WHEN FIRST NOTICED OTHER REASON</b>
		15	1. Less than 30 days
		12	2. 30-90 days
		156	3. More than 90 days
		25	9. Unknown
		1,796	Blank. Not applicable
376-377	3e		<b>LENGTH OF TIME HAD OTHER DEVICE BEFORE LAST REPLACEMENT</b>
		246	01-29. 1-29 years
		57	97. Less than 6 months
		58	98. 6-11 months
		51	99. Unknown
		1,592	Blank. Not applicable

## MDI7-32

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
	(378-381)	3f		<b>MONTH AND YEAR RECEIVED PREVIOUS DEVICE</b>
	378-379			<b>MONTH</b>
			14	00. Before 1968 (year unknown)
			11	01. January
			22	02. February
			18	03. March
			22	04. April
			25	05. May
			15	06. June
			22	07. July
			12	08. August
			14	09. September
			19	10. October
			15	11. November
			20	12. December
			36	98. 1968 or later (year unknown)
			147	99. Unknown
			1,592	Blank. Not applicable
	380-381			<b>YEAR</b>
			14	00. Before 1968 (year unknown)
			294	60-89. 1960-1989
			36	98. 1968 or later (year unknown)
			68	99. Unknown
			1,592	Blank. Not applicable
	382-383	4a		<b>LENGTH OF TIME WITH CURRENT DEVICE</b>
			1,295	01-29. 1-29 years
			301	97. Less than 6 months
			214	98. 6-11 months
			194	99. Unknown

## MDI7-33

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape</b>	<b>Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
(384-387)		4b		<b>MONTH AND YEAR RECEIVED CURRENT DEVICE</b>
384-385				<b>MONTH</b>
			12	00. Before 1968 (year unknown)
			128	01. January
			100	02. February
			138	03. March
			143	04. April
			146	05. May
			136	06. June
			122	07. July
			98	08. August
			98	09. September
			107	10. October
			105	11. November
			89	12. December
			62	98. 1968 or later (year unknown)
			520	99. Unknown
386-387				<b>YEAR</b>
			12	00. Before 1968 (year unknown)
			1,671	60-89. 1960-1989
			62	98. 1968 or later (year unknown)
			259	99. Unknown
(388-402)		5a-5k		<b>HAD FOLLOWING PROBLEMS/COMPLICATIONS WITH/DUE TO CURRENT DEVICE</b>
388		5a		<b>INFECTION</b>
			309	1. Yes
			1,646	2. No
			49	9. Unknown
389		5b		<b>HOW LONG HAD OTHER DEVICE WHEN INFECTION FIRST NOTICED</b>
			84	1. Less than 30 days
			66	2. 30-90 days
			144	3. More than 90 days
			15	9. Unknown
			1,695	Blank. Not applicable

## MDI7-34

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
390	5c		<b>HEALING PROBLEM</b>
		69	1. Yes
		1,889	2. No
		46	9. Unknown
391	5d		<b>HOW LONG HAD OTHER DEVICE WHEN HEALING PROBLEMS FIRST NOTICED</b>
		42	1. Less than 30 days
		10	2. 30-90 days
		15	3. More than 90 days
		2	9. Unknown
		1,935	Blank. Not applicable
392	5e		<b>ANY PAIN OTHER THAN SURGERY DISCOMFORT</b>
		161	1. Yes
		1,781	2. No
		62	9. Unknown
393	5f		<b>HOW LONG HAD OTHER DEVICE WHEN PAIN FIRST NOTICED</b>
		56	1. Less than 30 days
		28	2. 30-90 days
		73	3. More than 90 days
		4	9. Unknown
		1,843	Blank. Not applicable
394	5g		<b>ANY DEFECTS OR FAILURE TO OPERATE</b>
		125	1. Yes
		1,818	2. No
		61	9. Unknown
395	5h		<b>HOW LONG HAD OTHER DEVICE WHEN DEFECT/FAILURE FIRST NOTICED</b>
		25	1. Less than 30 days
		24	2. 30-90 days
		74	3. More than 90 days
		2	9. Unknown
		1,879	Blank. Not applicable
396	5i		<b>ANY OTHER PROBLEMS OR COMPLICATIONS</b>
		148	1. Yes
		1,801	2. No
		55	9. Unknown

## MDI7-35

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

<b>Tape Locations</b>	<b>Item No.</b>	<b>Frequency</b>	<b>Items and Codes</b>
397	5j	148 1,856	<b>FIRST PROBLEM</b> 1. First problem Blank. Not applicable
398	5k	41 26 69 12 1,856	<b>HOW LONG HAD OTHER DEVICE WHEN FIRST PROBLEM FIRST NOTICED</b> 1. Less than 30 days 2. 30-90 days 3. More than 90 days 9. Unknown Blank. Not applicable
399	5j	31 1,973	<b>SECOND PROBLEM</b> 2. Second problem Blank. No 2nd Problem specified, not applicable
400	5k	10 8 11 2 1,973	<b>HOW LONG HAD OTHER DEVICE WHEN SECOND PROBLEM FIRST NOTICED</b> 1. Less than 30 days 2. 30-90 days 3. More than 90 days 9. Unknown Blank. Not applicable
401	5j	3 2,001	<b>THIRD PROBLEM</b> 3. Third problem Blank. No 3rd problem specified; not applicable

MDI7-36

1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
402	5k		<b>HOW LONG HAD OTHER DEVICE WHEN THIRD PROBLEM FIRST NOTICED</b>
		2	1. Less than 30 days
		-	2. 30-90 days
		-	3. More than 90 days
		1	9. Unknown
		2,001	Blank. Not applicable
(403-405)	6		<b>REASON(S) FOR GETTING ORIGINAL DEVICE</b>
403			<b>INFECTION</b>
		616	1. Yes
		1,333	2. No
		55	9. Unknown
404			<b>INJURY</b>
		131	1. Yes
		1,818	2. No
		55	9. Unknown
405			<b>OTHER REASON</b>
		1,251	1. Yes
		698	2. No
		55	9. Unknown
406	Check Item 20		<b>RESPONDENT</b>
		887	1. Self - personal
		143	2. Self - telephone
		729	3. Proxy - personal
		176	4. Proxy - telephone
		4	5. Proxy - method unknown
		65	9. Respondent unknown



## MDI7-37

## 1988 NHIS MEDICAL DEVICE IMPLANT PUBLIC USE FILE (OTHER DEVICES)

Tape Locations	Item No.	Frequency	Items and Codes
407-408	Check Item 20		<b>PROXY'S RELATIONSHIP TO PERSON WITH DEVICE</b>
		104	01. Spouse
		103	02. Father
		631	03. Mother
		1	04. Brother
		5	05. Sister
		4	06. Son
		14	07. Daughter
		-	08. Aunt
		-	09. Uncle
		17	10. Grandmother (Great)
		-	11. Grandfather (Great)
		-	12. Grandson
		-	13. Granddaughter
		3	14. Not related
		-	15. DK if related
		4	88. Other relative
		23	99. Relationship unknown
		1,095	Blank. Not applicable
409-410			<b>BLANK</b>