

1989 NATIONAL HEALTH INTERVIEW SURVEY
DIABETES PUBLIC USE DATA TAPE

Introduction

Each year, the National Center for Health Statistics (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 sociodemographic and health-related items and one or more special health topics which vary annually.

In 1989, the NHIS included an extensive set of questions about the dietary practices, health care usage, use of medication, and other related subjects asked of each identified and self-confirmed adult diabetic in an interviewed family.

In addition, in half of the responding families, an adult sample person was randomly selected to respond to a series of questions on Diabetes Risk Factors. If the selected sample person was a diabetic, the questions were asked within the context of the detailed questions on diabetes health practices and knowledge mentioned above; the resulting data is included on the data tape in the same locations as the data for all diabetics. Non-diabetics were only asked the risk factor questions and the data is found in locations 533-584.

Response rates

The overall non-response rate for the non-sample portion of the Diabetes survey was about 3.7 percent. An additional 122 persons were identified by the household respondent as being diabetic, but this was never confirmed by the individual. There were 298 persons who were initially identified as diabetics but who were either borderline or prediabetic, who were only diabetic during pregnancy and never confirmed after pregnancy (some were still pregnant), or who denied that they were ever or currently diabetic. Another 4 individuals confirmed that they were diabetic but did not answer the detailed follow-up questions.

The non-response rate for the sample person Diabetes Risk Factor Supplement was an estimated 10 per cent.

Construction of the 1989 Diabetes Data Tape

The data tape contains data from the NHIS basic health and demographic questionnaire in the first section of the tape with data specific to the detailed diabetes questions beginning in location 336 and ending in location 531.

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Because the great majority of persons were not identified as diabetics, only the Diabetic Status recode field (location 336) and the Diabetes Response Status field (location 532) are

completed for all adult respondents.

The final section of the data tape contains the diabetes risk factor data (location 533-584) and is blank for all adults except those who were selected as sample persons and who were not diabetic. As mentioned above, risk factor data for sample persons who were confirmed diabetics are incorporated into the detailed diabetic portion of the tape. A list of cross-referenced locations of risk factor data for diabetics and non-diabetics follows this cover sheet.

Limitations in the logical editing of the data

Because only one sixth of adults were asked the chronic condition list containing diabetes, the responses to the diabetes questionnaire were not edited as "diabetic" or non-diabetic" using NHIS core data. It is likely that some diabetes cases reported on core were non-respondents to this supplement or that when the individuals themselves were questioned, some cases could not be confirmed. Conversely some of the persons reported as diabetics on this supplement may not have been reported as diabetics on the basic NHIS even though they were asked the appropriate chronic condition list.

Weights

Except for exploratory runs for preliminary data analysis, data from the NHIS should always be in weighted form. This data tape contains two different weight fields: the Final Annual Basic Weight for all adult respondents is in location 201-206 and the Sample Person Final Annual Basic Weight is in location 207-212.

When analyzing basic NHIS data by diabetic status (location 336), the Final Annual Basic Weight for all adults (loc. 201-206) is the appropriate weight for calculating national estimates of all person-level variables, such as prevalence of diabetes, occupation, the number of 12-month doctor visits, and self-assessed health status. It is also the correct weight to use when looking at the characteristics of subgroups of diabetics who answered the detailed questions.

The Sample Person Final Annual Basic Weight (loc. 207-212) is used when making national prevalence estimates of the risk factors for diabetics and non-diabetics. For non-diabetics, this weight should be used when calculating national estimates using basic health and demographic variables whenever data from the risk factor portion of the data tape are also used (loc. 533-584).

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For sample person diabetics, the same weight field is used but the data are located within the detailed diabetic section of the tape.

Calculation of population estimates

1. Select the correct Final Basic Weight to use with the characteristics of interest (e.g., white females age 18-44 in excellent health).

2. Sum the weights for persons with the characteristic of interest.
3. The sum estimates the population with the characteristic of interest.

Calculation of annual estimates for events based on a 2-week recall period

To reduce respondent error, the recall period for some questions about events is limited to 2 weeks. Consequently, for an annual estimate the reported number of events must be multiplied by 26 (the number of 2 week period in a year). The two-week recall variables can be found in tape locations 98-107 and 120-121.

1. Select the correct Final Basic Weight for the characteristic of interest.
2. For each person, multiply the number of 2-week events for the characteristic of interest by 26.
3. Multiply the results of the previous step by the sampling weight for each person and sum the products.
4. The sum estimates the annual number of events associated with a characteristic of interest (e.g., doctor visits for white females age 18-44) in the diabetic population.

Calculation of annual estimates for events based on a 6-month recall period

Again to reduce respondent error, the recall period for hospital discharges and associated days is limited to 6 months. Consequently for an annual estimate the number of events must be found in tape locations 132-141.

1. Select the correct Final Basic Weight for the characteristic of interest.
2. For each person, multiply the number of 6-month events for the characteristic of interest by 2.

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3. Multiply the results of the previous step by the sampling weight for each person and sum the products.
4. The sum estimates the annual number of events associated with the characteristics of interest (e.g., hospital discharge for white females 18-44) for the diabetic population.

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Diabetic Sample Persons

Non-Diabetic Sample Persons

452	533
454	534
455	535
453	536
NA	537-538
435-437	539-541
456-457	542-543
458	544
459	545
460-461	546-547
462	548
463	549
464	550
465-466	551-552
423	553
467	554
468	555
469-470	556-557
471	558
472	559
473	560
474	561
475	562
476-477	563-564
478	565
479	566
480-482	567-569
483-485	570-572
486-488	573-575
489-491	576-578
492-493	579-580
434	581
529	582
530-531	583-584

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DB-1

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Outline of Items and Codes
Number of Records = 84,572

Tape Locations	Item No.	Frequency	Items and Codes
1-2	-	84,572	RECORD TYPE 90. Diabetes
3-4	-		PROCESSING YEAR

84,572

89. 1989

5	-		PROCESSING QUARTER
		19,269	1. Quarter 1
		22,221	2. Quarter 2
		21,600	3. Quarter 3
		21,482	4. Quarter 4

6-8	HH-5		RANDOM RECODE OF PSU NUMBER
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9-10	HH-5		WEEK - CENSUS CODE*
			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.

1 DB-2
1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
11-12	HH-5		SEGMENT NUMBER
			Week plus Segment Number identifies the segment

13-14	HH-5		HOUSEHOLD NUMBER
			Numbered within PSU-Week-Segment

15-16	-	PERSON NUMBER
17-18	-	BLANK (Record Serial Number on other record types)
19-20	HH-5	PROCESSING WEEK CODE (Numbered within Quarter)
		5,020 01. Week 1
		6,750 02. Week 2
		6,669 03. Week 3
		6,667 04. Week 4
		6,528 05. Week 5
		6,622 06. Week 6
		6,629 07. Week 7
		6,573 08. Week 8
		6,732 09. Week 9
		6,547 10. Week 10
		6,741 11. Week 11
		6,415 12. Week 12
		6,679 13. Week 13

21		BLANK
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1		DB-3
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1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
22-23	HH-10d		TYPE OF LIVING QUARTERS:
			Housing Unit = (00-07)
		767	00. Housing unit; kind unknown
		79,041	01. House, apartment, flat
		53	02. HU in nontransient hotel, motel, etc.
		38	03. HU-permanent in transient hotel, motel, etc.
		38	04. HU in rooming house
		3,371	05. Mobile home or trailer with no permanent room added
		556	06. Mobile home or trailer with one

17 or more permanent rooms added
 07. HU not specified above
 Other Unit = (08-13)
 30 08. Quarters not HU in rooming or
 boarding house
 0 09. Unit not permanent in transient
 hotel, motel, etc.
 65 10. Unoccupied site for mobile home,
 trailer, or tent
 497 11. Student quarters in college
 dormitory
 98 12. Other unit not specified above
 1 13. Other unit; kind unknown

24 HH-11 HAS TELEPHONE
 76,331 1. Yes, phone number given
 2,962 2. Yes, no phone number given
 4,583 3. No
 696 4. Unknown

25 A-1 SEX
 39,100 1. Male
 45,472 2. Female

26 - BLANK

1 DB-4

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
27-28	Person Column		AGE
		0	00. Under 1 year
		84,560	01-98. Number of years
		12	99. 99+ years of age
29	Recode		AGE RECODE #1
		0	1. Under 5 years

0	2. 5-17 years
11,362	3. 18-24 years
36,688	4. 25-44 years
22,277	5. 45-64 years
4,788	6. 65-69 years
3,830	7. 70-74 years
5,627	8. 75 years and over

30	Recode		AGE RECODE #2
		0	1. Under 6 years
		0	2. 6-16 years
		11,362	3. 17-24 years
		19,244	4. 25-34 years
		17,444	5. 35-44 years
		12,046	6. 45-54 years
		10,231	7. 55-64 years
		8,618	8. 65-74 years
		5,627	9. 75 years and over

31-32	Recode		AGE RECODE #3
		0	00-35. Months
		84,572	36. Over 3 years

33 - BLANK

1 DB-5

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
34-39	A-3		MONTH AND YEAR OF BIRTH
34-35			Month
			01. January 08. August
			02. February 09. September
			03. March 10. October
			04. April 11. November
			05. May 12. December
			06. June 99. DK or refused
			07. July
36-39			Year of Birth

1800-1899. 1800-1899
 1900-1990. 1900-1990
 9999. DK or refused

40-41 BLANK

42 L-3 MAIN RACIAL BACKGROUND - Reported

593	1. Aleut, Eskimo, or American Indian
1,892	2. Asian/Pacific Islander
11,377	3. Black
68,980	4. White
1,153	5. Other
63	6. Multiple race
514	7. Unknown

1 DB-6
 1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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43-45	Recode		RACE RECODES
43			Recode 1
		70,567	1. White
		11,458	2. Black
		2,547	3. Other
44			Recode 2
		70,567	1. White
		14,005	2. Non-white
45			Recode 3
		11,458	1. Black
		73,114	2. Non-black

46-47	L-4		HISPANIC ORIGIN
		58	00. Multiple Hispanic
		628	01. Puerto Rican
		384	02. Cuban
		1,509	03. Mexican-Mexicano
		1,720	04. Mexican-American

30	05. Chicano
731	06. Other Latin American
789	07. Other Spanish
124	08. Spanish, DK type
524	09. Unknown if Spanish origin
78,075	10. Not Spanish origin

48 L-7

MARITAL STATUS

0	0. Under 14 years
53,190	1. Married - spouse in household
696	2. Married - spouse not in household
6,414	3. Widowed
6,132	4. Divorced
1,946	5. Separated
15,805	6. Never married
389	7. Unknown

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DB-7

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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49 L-1

VETERAN STATUS

70,162	1. Non-veteran
46	2. WW I
3,885	3. WW II
2,089	4. Korean War
3,767	5. Vietnam veteran
970	6. Post-Vietnam
2,201	7. Other service
287	8. Served in Armed Forces, unknown if war veteran
1,165	9. Unknown if served in Armed Forces
0	Blank. Under 18 years of age

50 L-1

ACTIVE GUARD/RESERVE STATUS FOR PERSONS ON ACTIVE DUTY IN ARMED FORCES

70,162	0. Non-veteran
973	1. All service in Guard/Reserve
1,840	2. Some service in Guard/Reserve
37	3. Unknown if all service in Guard/Reserve
9,711	4. No active service in
Guard/Reserve	
1,849	5. Unknown if ever active member in

1,726	18.	18,000 - 18,999
1,998	19.	19,000 - 19,999
6,675	20.	20,000 - 24,999
6,337	21.	25,000 - 29,999
6,034	22.	30,000 - 34,999
4,848	23.	35,000 - 39,999
4,433	24.	40,000 - 44,999
3,832	25.	45,000 - 49,999
13,984	26.	\$50,000 and over
14,718	27.	Unknown

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DB-10

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
60	Recode		FAMILY INCOME RECODE
		3,230	0. Under \$5,000
		2,330	1. \$ 5,000 - \$ 6,999
		3,658	2. 7,000 - 9,999
		6,730	3. 10,000 - 14,999
		7,763	4. 15,000 - 19,999
		6,675	5. 20,000 - 24,999
		12,371	6. 25,000 - 34,999
		13,113	7. 35,000 - 49,999
		13,984	8. \$50,000 or more
		14,718	9. Unknown
61	Generated		NHIS POVERTY INDEX*
		68,706	1. At or above poverty threshold
		7,605	2. Below poverty threshold
		8,261	3. Unknown
62-63			FAMILY RELATIONSHIP
62	A-2		Type of Family
		12,299	&. Primary individual
		1,394	-. Secondary individual
		70,778	0. Primary family
		101	1-9. Secondary family
63	A-2		Relationship to Reference Person
		11,696	&. Reference person, living alone
		34,679	0. Reference person, 2+ persons in household
		26,013	1. Spouse, other spouse NOT in Armed Forces and living at home
		326	2. Spouse, other spouse IN Armed

8,671	Forces and living at home
301	3. Child of reference person or spouse
950	4. Grandchild of reference person or spouse
1,935	5. Parent of reference person or spouse
1	6. Other relative
0	7. Child of ineligible reference person
	9. DK or refused

*Based on family size, number of children under 18 years of age and family income using the 1988 poverty levels derived from the August, 1989 Current Population Survey.

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DB-11

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
64	Recode		FAMILY RELATIONSHIP RECODE
		11,696	1. Living alone
		1,997	2. Living only with non-relative
		53,168	3. Living with spouse
		17,711	4. Living with relative - other
65-66	Generated		SIZE OF FAMILY* Unrelated individuals are coded 01
67	Generated		SIZE OF FAMILY RECODE 1-8. Number of members 9. 9+ members
68	A-2		PARENT/OTHER ADULT RELATIVE (under 25 years old and never married)
		2,697	1. Both parents, no other relative
		873	2. Mother only
		135	3. Father only
		1,152	4. Both parents and other 21+ year old adult relative
		455	5. Mother and other 21+ year old adult relative
		66	6. Father and other 21+ year old

	adult relative
254	7. No parent, but one 21+ year old adult relative
257	8. No parent, but two or more 21+ year old adult relatives
319	9. Unknown
1,838	0. Other
76,526	Blank. Not applicable (25+ years old or ever married)

*Count includes spouse in military but living at home.

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DB-12

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
69	B-1 B-8		MAJOR ACTIVITY (18+ years old)
		51,964	1. Working
		16,104	2. Keeping house
		4,646	3. Going to school
		11,282	4. Something else
		576	5. Unknown
		0	Blank. Not applicable (Under 18 years)
70	G-4		HEALTH STATUS
		28,728	1. Excellent
		23,882	2. Very Good
		20,842	3. Good
		7,648	4. Fair
		3,090	5. Poor
		382	6. Unknown
71	Recode		ACTIVITY LIMITATION STATUS - (all ages)
		4,802	1. Unable to perform major activity
		5,392	2. Limited in kind/amount major activity
		4,768	3. Limited in other activities
		69,610	4. Not limited (includes unknowns)
72	Recode		ACTIVITY LIMITATION STATUS MEASURED BY "ABILITY TO WORK" (18-69 years)

4,894	1. Unable to work
3,683	2. Limited in kind/amount of work
2,687	3. Limited in other activities
63,851	4. Not limited (includes unknowns)
9,457	Blank. Not applicable (under 18 years, 70+ years)

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DB-13

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
73	B-11		LIMITATION OF SCHOOL ACTIVITIES (5-17 years)
		0	1. Unable to attend school
		0	2. Attends special school/classes
		0	3. Needs special school/classes
		0	4. Limited in school attendance
		0	5. Limited in other activities
		0	6. Not limited (includes unknowns)
		84,572	Blank. Not applicable (Under 5 years or 18+ years)
74	B-14		NEEDS HELP WITH PERSONAL CARE (5-59 years old and limited, or age 60-69 years)*
		513	1. Unable to perform personal care needs
		1,358	2. Limited in performing other routine needs
personal		15,238	3. Not limited in performing or routine needs
		509	4. Unknown
		66,954	Blank. Not applicable (Under 5 years; 5-59 years not limited; 70+ years old)
75	D-1		EMPLOYMENT STATUS IN PAST 2 WEEKS (18+ years)
			In the Labor Force: (1-7)
			Currently employed: (1-3)
		53,249	1. Worked in past 2 weeks
		1,124	2. Did not work, has job; not on lay-off and not looking for work
		26	3. Did not work, has job; looking for work
			Unemployed: (4-7)

131	4. Did not work, has job; on lay-off
7	5. Did not work, has job; on lay-off and looking for work
424	6. Did not work, has job; unknown if looking or on lay-off
1,680	7. Did not work, no job; looking for work or on lay-off
	Not in Labor Force (18+ years): (8)
27,931	8. Not in Labor Force (18+ years)
0	Blank. Not applicable (Under 18 years old)

*For persons 70+ years, codes 1 and 2 in Loc. 71 correspond to codes 1 and 2 in Loc. 74.

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DB-14

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
76	L-6		CLASS OF WORKER
		27,931	0. Not in labor force
		40,621	1. Private company
		1,710	2. Federal Government employee
		2,222	3. State Government employee
		4,375	4. Local Government employee
		1,305	5. Incorporated business
		4,987	6. Self-employed
		97	7. Without pay
		57	8. Never worked
		1,267	9. Unknown
		0	Blank. Under 18
77-79	L-6		INDUSTRY DETAIL CODE
		56,641	010-996. Code number
		27,931	Blank. Not applicable
80-81	Recode		INDUSTRY RECODE 1
			SEE APPENDIX B
82-83	Recode		INDUSTRY RECODE 2
			SEE APPENDIX B

Blank. Under 18 years of age

95-97	G-5		WEIGHT WITHOUT SHOES (18+ years)
			050-500. Number of pounds
			501. Unknown
			Blank. Under 18 years of age

98-99	Recode		TOTAL RESTRICTED ACTIVITY DAYS IN PAST TWO WEEKS
		75,602	00. None
		8,970	01-14. Days

100-101	D-4		BED DAYS IN PAST TWO WEEKS
		79,336	00. None
		5,236	01-14. Days

1 DB-16

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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102-103	D-2		WORK-LOSS DAYS IN PAST TWO WEEKS (control on currently employed, 75:1-3)
		81,201	00. None
		3,371	01-14. Days

104-105	D-3		SCHOOL-LOSS DAYS IN PAST TWO WEEKS
		84,572	00. None
		0	01-14. Days

106-107	D-6		OTHER DAYS OF RESTRICTED ACTIVITY IN PAST TWO WEEKS
		80,157	00. None
		4,415	01-14. Days

108-110	G-2		BED DAYS IN PAST 12 MONTHS
		47,893	000. None
		35,933	001-365. 1-365 days
		746	366. Unknown

111	Recode		BED DAYS IN PAST 12 MONTHS - Recode
		47,893	0. None
		26,250	1. 1-7 days
		6,840	2. 8-30 days
		2,256	3. 31-180 days
		587	4. 181-365 days
		746	5. Unknown

112-114	G-3		DOCTOR VISITS IN PAST 12 MONTHS
		21,547	000. None
		62,720	001-996. Visits
		1	997. 997+ visits
		304	998. Unknown

1 DB-17

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
115	G-3		INTERVAL SINCE LAST DOCTOR VISIT
		132	0. Never
		63,472	1. Less than 1 year
		8,190	2. 1 to less than 2 years
		7,922	3. 2 to less than 5 years
		3,582	4. 5 years or more
		1,274	5. Unknown

116-117	Generated		NUMBER OF CONDITIONS
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118-119	Generated		NUMBER OF ACUTE INCIDENCE CONDITIONS
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120-121	Generated		NUMBER OF TWO-WEEK DOCTOR VISITS
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122-123	Generated	NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS
124-126	Generated	SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS
127-128	Generated	NUMBER OF SHORT-STAY HOSPITAL EPISODES IN PAST 12 MONTHS EXCLUDING DELIVERY*
129-131	Generated	SHORT-STAY HOSPITAL EPISODE DAYS IN PAST 12 MONTHS EXCLUDING DELIVERY*
132-133	Generated	NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS
134-136	Generated	NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS
137-138	Generated	NUMBER OF SHORT-STAY HOSPITAL DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*

*Based on Operation codes and reason entered hospital.

1 DB-18

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
139-141	Generated		NUMBER OF DAYS IN SHORT-STAY HOSPITAL IN PAST 12 MONTHS FOR DISCHARGES IN PAST 6 MONTHS EXCLUDING DELIVERY*
142-143			BLANK

144	L-9b		YEARS LIVED IN STATE OF PRESENT RESIDENCE
		1,126	1. Less than 1 year
		3,528	2. 1 yr., less than 5 yrs.
		3,317	3. 5 yrs., less than 10 yrs.
		3,236	4. 10 yrs., less than 15 yrs.
		61,722	5. 15 years or more
		3,501	9. Unknown
		8,142	Blank. Not applicable (Foreign-born or less than 18 years)

145	L-9c		YEARS LIVED IN UNITED STATES
		299	1. Less than 1 year
		1,060	2. 1 yr., less than 5 yrs.
		1,317	3. 5 yrs., less than 10 yrs.
		1,112	4. 10 yrs., less than 15 yrs.
		4,068	5. 15 years or more
		286	9. Unknown
		76,430	Blank. Not applicable (U.S. born or less than 18 years)

146-171 - BLANK

172-177 QUARTER BASIC WEIGHT BEFORE AGE-SEX-RACE ADJUSTMENT (Has one implied decimal)

178	Master Record		TYPE OF SUBSTRATUM
		9,351	0. Permit
		7,960	1. Area, oversampled for blacks
		67,261	2. Area, not oversampled for blacks

179-181 FULL SAMPLE STRATUM IDENTIFIER

*Based on Operation codes and reason entered hospital.

1 DB-19

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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182	Master		REGION
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Record	17,573	1. Northeast
	21,043	2. Midwest
	28,326	3. South
	17,630	4. West

183	Master Record	GEOGRAPHIC DISTRIBUTION	
		MSA Size	
	36,214	1.	1,000,000 or more
	22,054	2.	250,000 - 999,999
	5,352	3.	100,000 - 249,999
	1,407	4.	Under 100,000
	19,545	Blank.	Non-MSA

184		BLANK
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185	Master Record	TYPE OF PSU	
	46,049	1.	MSA - Self-representing
	18,978	3.	MSA - Nonself-representing
	1	4.	Non-MSA - Self-representing
	19,544	6.	Non-MSA - Nonself-representing

186	Recode	MSA - NON-MSA RESIDENCE	
	27,122	1.	MSA - Central City
	37,905	2.	MSA - Not Central City
	18,287	3.	Non-MSA - Nonfarm
	1,258	4.	Non-MSA - Farm

1		DB-20
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1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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187-189		PSEUDO PSU CODES
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190-200		BLANK
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201-206 FINAL ANNUAL BASIC WEIGHT
 (To be used when making national estimates of the prevalence of diabetes, and the characteristics, behavior and knowledge of diabetics based on the detailed follow-up questions asked of all identified and responding diabetics (data in locations 350-531)). See the cover documentation for more information.

207-212 SAMPLE PERSON FINAL ANNUAL BASIC WEIGHT
 (To be used when preparing national estimates based on sample person (SPs) responding to the Diabetes Risk Factor Supplement Questions (DRFS). Diabetic SPs can be identified by location 532:5 and Non-diabetic SPs by location 532:3). See the cover documentation for more information and the list of cross-referenced data locations for diabetics and non-diabetics.

213-218 SAMPLE PERSON ANNUAL BASIC WEIGHT BEFORE AGE-SEX-RACE ADJUSTMENT
 (This weight may be useful in variance estimation)

219-335 BLANK

1 DB-21

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
SECTION Q. DIABETES SCREENING/FOLLOW-UP			
336	Recode		DIABETES STATUS RECODE 1*
		122	0. Probable diabetic, no data
		2,405	1. Diabetic, with data
		4	2. Diabetic, no data entered
		295	3. Not current diabetic
		78,586	4. Non diabetic
		3	5. Unknown current diabetic status
		3,157	9. Unknown (no evidence of diabetes)
337-338	1		AGE DEVELOPED DIABETES
		25	00. Don't have diabetes
		2,484	01-95. 1-95 years old
		0	96. 96+ years old
		84	97. Have pre, potential, or borderline diabetes
		138	98. Missing/Unknown

		98	99. DK or refused
		81,743	Blank. NA (Not reported to have diabetes by household respondent)
339-340	Recode		YEARS SINCE DEVELOPED DIABETES (All people thought to have diabetes currently even if incomplete data)
		102	00. Less than 1 year
		2,199	01-97. 1-97 years
		137	98. Missing/Unknown
		93	99. DK, refused
		82,041	Blank. NA
341	2		NOW A DIABETIC (Ever diabetic except probable with no data)
		2,417	1. Yes
		174	2. No
		5	7. Diabetic during pregnancy, unknown current status
		2	8. Missing/Unknown
		0	9. DK or refused
		81,974	Blank. NA

*See detailed Diabetic Status Recode 2 for any adult identified as diabetic.

1

DB-22

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
342	3a		CIRCUMSTANCES DIABETES DIAGNOSED (Current diabetic or diabetic during pregnancy; Q2=1,7)
		1,260	1. Sick/symptoms
		1,137	2. By chance
		5	8. Missing/Unknown
		20	9. DK or refused
		82,150	Blank. NA
343	3b		PLACE DIABETES DIAGNOSED (Current diabetic or diabetic during pregnancy except discovered by chance; Q3a = 1,8,9)
		822	1. Doctor's office
		197	2. Patient in hospital
		252	3. Somewhere else
		5	8. Missing/Unknown
		9	9. DK or refused
		83,287	Blank. NA
344	3c		HOW DIABETES DISCOVERED (Current diabetic or diabetic

during pregnancy and diabetes discovered by chance; Q3a = 2)

501	1. Routine physical
63	2. Screening test for diabetes
444	3. Treated for something else
53	7. Other
57	8. Missing/Unknown
19	9. DK or refused
83,435	Blank. NA

345	4a		TYPE OF TEST (Current diabetic or diabetic during pregnancy; Q2 = 1,7)
		398	1. Blood
		131	2. Urine
		1,786	3. Both urine and blood
		6	8. Missing/Unknown
		101	9. DK or refused
		82,150	Blank. NA

1 DB-23

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
346	4b		ORAL GLUCOSE TOLERANCE TEST (Current diabetic or diabetic during pregnancy with diabetes diagnosed by blood test; Q4a = 1,3)
		897	1. Yes
		595	2. No
		26	8. Missing/Unknown
		666	9. DK or refused
		82,388	Blank. NA
347	5a		PREGNANT WHEN FIRST TOLD HAD DIABETES (Females only, current diabetics or current diabetic status unknown)
		54	1. Yes
		1,377	2. No
		7	8. Missing/Unknown
		0	9. DK or refused
		83,134	Blank. NA
348	5b		DIABETES DIAGNOSED OTHER THAN PREGNANCY (Females only, or unknown if pregnant when diabetes diagnosed; Q5a = 1,8,9)
		48	1. Yes
		12	2. No
		1	8. Missing/Unknown
		0	9. DK or refused

84,511 Blank. NA

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DB-24

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
349	Recode		DIABETES STATUS RECODE 2
		2,405	1. Diabetic, with data
		4	2. Diabetic, no data entered
		25	3. Reported as diabetic, respondent denied (Q1 = 00)
		84	4. Reported as diabetic, respondent reported pre, potential or
border-			line diabetic (Q1 = 98)
		174	5. Reported as diabetic, not currently diabetic (Q2 = 2)
		12	6. Reported as diabetic, only diabetic during pregnancy (Q5b = 2) (females only)
		124	7. Reported as diabetic, unknown if current diabetic, (Q2 = 8,9) or probable diabetic, no data
		0	8. Reported as diabetic, diabetic during pregnancy, unknown if diabetic other than during pregnancy (Q5b = 8,9) (Females only)
		1	9. Reported as diabetic, unknown if diabetic when pregnant or other than when pregnant (Females only)
		81,743	Blank. NA (Non-diabetics, unknown diabetic status)

1

DB-25

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
			FOLLOW-UP QUESTIONS FOR CONFIRMED DIABETICS SELF RESPONDENTS ONLY*
350	6a		NOW TAKING INSULIN
		1,056	1. Yes
		1,346	2. No
		3	8. Missing/Unknown
		0	9. DK or refused

		82,167	Blank. NA (*)
(351-353)	6b		LENGTH OF TIME TAKING INSULIN
351-352			Number of Time Units
		9	00. Less than 1 month
		990	01-96. 1-96 months, years
		0	97. 97+ months, years
		29	98. Missing/Unknown
		28	99. DK or refused
		83,516	Blank. NA (*, no/unknown if taking insulin now)
353			Time Units
		9	0. Less than 1 month
		113	1. Months
		906	2. Years
		1	8. Missing/Unknown
		27	9. DK or refused
		83,516	Blank. NA (*, no/unknown if taking insulin now)
354-356	Recode		NUMBER OF MONTHS TAKING INSULIN
		999	000-996. 000-996 months
		0	997. 997+ months
		29	998. Missing/Unknown
		28	999. DK, refused
		83,516	Blank. NA (*, no/unknown if taking insulin now)

*The questions in location 350-531 were asked only of current diagnosed diabetics except those females whose diabetes has not been confirmed outside pregnancy. Current diabetics who were not available or refused are also not included. (Location 336 = 2) nor are non confirmed diabetics (location 336 = 0)

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DB-26

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
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(357-359)	6c		HOW OFTEN TAKE INSULIN
		3	993. Use insulin pump
357-358			Number of Time Units
		1,036	01-97. 1-97 times per day, week
		0	98. 98+ times per day, week
		20	99. Unknown, DK or refused
		83,516	Blank. NA (*, no/unknown if taking insulin now)
359			Time Units
		1,027	1. Day

		10	2. Week
		3	3. Use insulin pump
		5	8. Missing/Unknown
		11	9. DK or refused
		83,516	Blank. NA (*, no/unknown if taking insulin now)
360-362	6d		UNITS OF INSULIN TAKEN ON AVERAGE DAY
		1,020	001-996. 001-996 Units per day
		0	997. 997+ Units per day
		2	998. Missing/Unknown
		34	999. DK or refused
		83,516	Blank. NA (*, no/unknown if taking insulin now)
363	6e		EVER USED INSULIN PUMP
		53	1. Yes
		2,322	2. No
		15	8. Missing/Unknown
		15	9. DK or refused
		82,167	Blank. NA (*)
364	6f		NOW TAKING DIABETES PILLS
		1,164	1. Yes
		1,231	2. No
		5	8. Missing/Unknown
		5	9. DK or refused
		82,167	Blank. NA (*)

*See footnote on page 25.

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DB-27

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(365-367)	6g		LENGTH OF TIME TAKING PILLS
365-366			Number of Time Units
		10	00. Less than 1 month
		1,078	01-96. 1-96 months, years
		0	97. 97+ months, years
		25	98. Missing/Unknown
		51	99. DK or refused
		83,408	Blank. NA (*, no/unknown if taking diabetes pills now)
367			Time Units
		10	0. Less than 1 month
		142	1. Months
		962	2. Years
		19	8. Missing/Unknown
		31	9. DK or refused

		83,408	Blank. NA (*, no/unknown if taking diabetes pills now)
368-370	Recode		NUMBER OF MONTHS TAKING DIABETES PILLS
		1,088	000-996. 000-996 Months
		0	997. 997+ Months
		25	998. Missing/Unknown
		51	999. DK, refused
		83,408	Blank. NA (*, no/unknown if taking diabetes pills now)
(371-373)	6h		HOW OFTEN TAKE PILLS
371-372			Number of Time Units
		1,130	01-97. 1-97 times per day, week
		0	98. 98+ times per day, week
		34	99. Unknown, DK or refused
		83,408	Blank. NA (*, No/unknown if taking diabetes pills now)
373			Time Units
		1,117	1. Day
		16	2. Week
		19	8. Missing/Unknown
		12	9. DK or refused
		83,408	Blank. NA (*, No/unknown if taking diabetes pills now)

*See footnote on page 25.

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DB-28

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
374	7a		EVER GIVEN DIET OR INSTRUCTIONS ON FOOD TO EAT
		2,284	1. Yes
		116	2. No
		3	8. Missing/Unknown
		2	9. DK or refused
		82,167	Blank. NA (*)
375	7b		FOLLOWED THE DIET OR INSTRUCTIONS
		2,007	1. Yes
		268	2. No
		9	8. Missing/Unknown
		0	9. DK or refused
		82,288	Blank. NA (*, No/unknown if ever given diabetic diet)
376	7c		ABLE TO FOLLOW DIET OR INSTRUCTIONS
		561	1. Always

971	2.	Most of the time
398	3.	Some of the time
62	4.	Rarely
13	5.	Never
2	8.	Missing/Unknown
0	9.	DK or refused
82,565	Blank.	NA (*, no/unknown if tried to follow diabetic diet given)

377	Recode	KNOWN USE OF INSULIN, PILLS, DIET** NOW (RECODE)
	53	0. No use of insulin, pills or diet
	79	1. Uses insulin, pills and follows diet**
	13	2. Uses insulin and pills
	783	3. Uses insulin and follows diet**
	845	4. Uses pills and follows diet**
	181	5. Uses insulin only
	227	6. Uses pills only
	223	7. Follows diet** only
	1	9. All uses unknown
	82,167	Blank. NA (*)

*See footnote on page 25.

**Follows diet at least some of the time

1 DB-29

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(378-384)	8a(1-7)		DIFFICULTIES ASSOCIATED WITH DIET
378	8a(1)		Eating In Restaurants(follows diabetic diet given rarely, some or most of the time; Q7c=2-4)
		156	0. Not applicable
		677	1. Yes
		588	2. No
		8	8. Missing/Unknown
		2	9. DK or refused
		83,141	Blank. NA
379	8a(2)		Going to Parties or Social Events (follows diabetic diet given rarely, some or most of the time; Q7c = 2-4)
		305	0. Not applicable
		603	1. Yes
		510	2. No
		8	8. Missing/Unknown
		5	9. DK or refused

		83,141	Blank. NA
380	8a(3)		Busy With Other Activities (follows diabetic diet given rarely, some or most of the time; Q7c = 2-4)
		75	0. Not applicable
		494	1. Yes
		846	2. No
		8	8. Missing/Unknown
		8	9. DK or refused
		83,141	Blank. NA
381	8a(4)		Going On A Trip (follows diabetic diet given rarely, some or most of the time; Q7c = 2-4)
		211	0. Not applicable
		577	1. Yes
		624	2. No
		9	8. Missing/Unknown
		10	9. DK or refused
		83,141	Blank. NA

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DB-30

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(378-384)	8a(1-7)		DIFFICULTIES ASSOCIATED WITH DIET (Continued)
382	8a(5)		Feeling Upset or Angry (Follows diet given rarely, some or most of the time; Q7c = 2-4)
		32	0. Not applicable
		584	1. Yes
		781	2. No
		13	8. Missing/Unknown
		21	9. DK or refused
		83,141	Blank. NA
383	8a(6)		Feeling Sad, Depressed, or Blue (Follows diet given rarely, some or most of the time; Q7c = 2-4)
		35	0. Not applicable
		564	1. Yes
		806	2. No
		8	8. Missing/Unknown
		18	9. DK or refused
		83,141	Blank. NA
384	8a(7)		Feeling Bored (Follows diet given

		rarely, some or most of the time; Q7c = 2-4)
40		0. Not applicable
529		1. Yes
845		2. No
9		8. Missing/Unknown
8		9. DK or refused
83,141		Blank. NA

(385-389) 8b(1-5) OTHER DIFFICULTIES ASSOCIATED WITH DIET

385	8b(1)	Foods Don't Taste Good (Follows diet given rarely, some or most of the time, never or with unknown frequency; Q7c = 2-5,8,9)
4		0. Not applicable
456		1. Yes
971		2. No
8		8. Missing/Unknown
7		9. DK or refused
83,126		Blank. NA

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DB-31

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(385-389)	8b(1-5)		OTHER DIFFICULTIES ASSOCIATED WITH DIET (Continued)
386	8b(2)		Craves Food Not On Diet (Follows diet given rarely, some or most of the time, never or with unknown frequency; Q7c = 2-5,8,9)
		4	0. Not applicable
		838	1. Yes
		592	2. No
		7	8. Missing/Unknown
		5	9. DK or refused
		83,126	Blank.
387	8b(3)		Prepare Foods Separately (Follows diet given rarely, some or most of the time, never or with unknown frequency; Q7c = 2-5,8,9)
		170	0. Not applicable
		272	1. Yes
		995	2. No
		6	8. Missing/Unknown
		3	9. DK or refused

		83,126	Blank. NA
388	8b(4)		Lack of Support (Follows diet given rarely, some or most of the time, never or with unknown frequency; Q7c = 2-5,8,9)
		51	0. Not applicable
		124	1. Yes
		1,253	2. No
		8	8. Missing/Unknown
		10	9. DK or refused
		83,126	Blank. NA
389	8b(5)		Unsure of What Foods To Eat (Follows diet given rarely, some or most of the time, never or with unknown frequency; Q7c = 2-5,8,9)
		14	0. Not applicable
		114	1. Yes
		1,308	2. No
		6	8. Missing/Unknown
		4	9. DK or refused
		83,126	Blank. NA

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DB-32

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
390	9		THINK FOOD OR DRINK IMPORTANT IN CONTROLLING DIABETES
		2,046	1. Very important
		239	2. Somewhat important
		53	3. Not important
		14	8. Missing/Unknown
		53	9. DK or refused
		82,167	Blank. NA (*)
391	10a		ONE DOCTOR USUALLY SEEN FOR DIABETES
		2,173	1. Yes
		225	2. No
		6	8. Missing/Unknown
		1	9. DK or refused
		82,167	Blank. NA (*)
392-393	10b		TIMES REGULAR DIABETES DOCTOR SEEN PAST 12 MONTHS
		61	00. None
		2,055	01-96. 1-96 Times
		1	97. 97+ Times
		29	98. Missing/Unknown
		27	99. DK or refused

		82,399	Blank. NA (*, don't have only 1 doctor for diabetes, Q10a not equal 1)
(394-400)	10c(1-7)		TYPE OF DOCTOR SEEN PAST 12 MONTHS
394	10c(1)		Cardiologist or Heart Doctor
		559	1. Yes
		1,825	2. No
		9	8. Missing/Unknown
		12	9. DK or refused
		82,167	Blank. NA (*)
395	10c(2)		Ophthalmologist
		1,068	1. Yes
		1,318	2. No
		8	8. Missing/Unknown
		11	9. DK or refused
		82,167	Blank. NA (*)

*See footnote on page 25.

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DB-33

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(394-400)	10c(1-7)		TYPE OF DOCTOR SEEN PAST 12 MONTHS (Continued)
396	10c(3)		Obstetrician or Gynecologist
		216	1. Yes
		1,186	2. No
		20	8. Missing/Unknown
		3	9. DK or refused
		83,147	Blank. NA (*, males)
397	10c(4)		Podiatrist or Foot Doctor
		416	1. Yes
		1,973	2. No
		12	8. Missing/Unknown
		4	9. DK or refused
		82,167	Blank. NA (*)
398	10c(5)		Psychologist or Psychiatrist
		96	1. Yes
		2,293	2. No
		10	8. Missing/Unknown
		6	9. DK or refused
		82,167	Blank. NA (*)
399	10c(6)		Dietitian or Nutritionist
		500	1. Yes

		1,888	2. No
		12	8. Missing/Unknown
		5	9. DK or refused
		82,167	Blank. NA (*)
400	10c(7)		Other Medical Doctor
		696	1. Yes
		1,629	2. No
		28	4. Surgeon of any kind
		2	5. Orthopedist
		37	8. Missing/Unknown
		13	9. DK or refused
		82,167	Blank. NA (*)
401-402	11a		NUMBER OF TIMES URINE CHECKED BY HEALTH PROFESSIONAL 6 MONTHS
		798	00. None
		1,529	01-96. 1-96 Times
		1	97. 97+ Times
		9	98. Missing/Unknown
		68	99. DK or refused
		82,167	Blank. NA (*)

*See footnote on page 25.

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DB-34

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(403-405)	11b		HOW OFTEN YOU, FRIEND, RELATIVE CHECK YOUR URINE
403-404			Number of Time Units
		1,496	00. Never
		833	01-97. Times per day, week, month, year
		3	98. 98+ Times per day, week, month, year
		73	99. DK or refused
		82,167	Blank. NA (*)
405			Time Units
		1,496	0. Never
		268	1. Day
		322	2. Week
		166	3. Month
		80	4. Year
		15	8. Missing/Unknown
		58	9. DK or refused
		82,167	Blank. NA (*)
406	11c		HOW OFTEN HAD GLUCOSE IN URINE
		218	1. Always

186	2. Most of the time
460	3. Some of the time
328	4. Rarely
271	5. Never
157	8. Missing/Unknown
222	9. DK or refused
82,730	Blank. NA (*, No urine checks by health professional in past 6 months, never checked by relative, friend, self)

407 11d

463	TESTED FOR KETONES
1,273	1. Yes
24	2. No
645	8. Missing/Unknown
82,167	9. DK or refused
	Blank. NA (*)

*See footnote on page 25.

1

DB-35

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
408	11e	132 252 4 75 84,109	KETONE TEST POSITIVE 1. Yes 2. No 8. Missing/Unknown 9. DK or refused Blank. NA (*, not tested for ketones; Q11d not equal to 1)
409-410	12a	339 1,982 3 13 68 82,167	NUMBER OF TIMES BLOOD CHECKED BY HEALTH PROFESSIONAL-6 MONTHS 00. None 01-96. 1-96 Times 97. 97+ Times 98. Missing/Unknown 99. DK or refused Blank. NA
(411-413)	12b		HOW OFTEN YOU, FRIEND, RELATIVE CHECK YOUR BLOOD
411-412		1,472 862 1 70 82,167	Number of Time Units 00. Never 01-97. 1-97 Times per day, week, month, year 98. 98+ Times per day, week, month, year 99. DK or refused Blank. NA

413

	1,472	Time Units	0. Never
	316		1. Day
	345		2. Week
	145		3. Month
	58		4. Year
	16		8. Missing/Unknown
	53		9. DK or refused
	82,167	Blank.	NA (*)

*See footnote on page 25.

1

DB-36

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
414	12c	224 275 668 459 302 167 130 82,347	HOW OFTEN SUGAR LEVEL TOO HIGH 1. Always 2. Most of the time 3. Some of the time 4. Rarely 5. Never 8. Missing/Unknown 9. DK or refused Blank. NA (*, no glucose tests by health professional in past 6 months, never checked by relative, friend, self)
415	13a	375 2,005 17 8 82,167	EVER HEARD OF GLYCOSYLATED HEMOGLOBIN OR HEMOGLOBIN "A ONE C" 1. Yes 2. No 8. Missing/Unknown 9. DK or refused Blank. NA (*)
416-417	13b	135 166 0 2 72 84,197	NUMBER OF TIMES CHECKED FOR GLYCOSYLATED HEMOGLOBIN OR HEMOGLOBIN "A ONE C" 00. None 01-96. 1-96 Times 97. 97+ Times 98. Missing/Unknown 99. DK or refused Blank. NA (*, no/unknown if heard of glycosylated hemoglobin)
418-419	14a	1,234	NUMBER OF TIMES HEALTH PROFESSIONAL CHECKED FEET FOR SORES OR IRRITATIONS-6 MONTHS 00. None

1,121	01-96. 1-96 Times
1	97. 97+ Times
13	98. Missing/Unknown
36	99. DK or refused
82,167	Blank. NA (*)

*See footnote on page 25.

1

DB-37

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(420-422)	14b		HOW OFTEN YOU CHECK FEET FOR SORES OR IRRITATIONS
420-421			Number of Time Units
		504	00. Never
		1,757	01-97. 1-97 Times per day, week, month, year
		0	98. 98+ Times per day, week, month, year
		144	99. DK or refused
		82,167	Blank. NA (*)
422			Time Units
		504	0. Never
		1,189	1. Day
		442	2. Week
		103	3. Month
		25	4. Year
		45	8. Missing/Unknown
		97	9. DK or refused
		82,167	Blank. NA (*)
423	15		ANY FOOT/ANKLE SORES OR IRRITATIONS THAT DID NOT HEAL NORMALLY-6 MONTHS
		213	1. Yes
		2,168	2. No
		21	8. Missing/Unknown
		3	9. DK or refused
		82,167	Blank. (*)
424	16		LAST EYE EXAM WITH PUPIL DILATION
		151	1. Less than 1 month
		960	2. 1 to 12 months
		396	3. 13 to 24 months
		468	4. More than 2 years
		307	5. Never
		14	8. Missing/Unknown
		109	9. DK or refused
		82,167	Blank. NA (*)
425	17a		ANY EYE EXAM PAST TWO YEARS

369	1. Yes
508	2. No
13	8. Missing/Unknown
8	9. DK or refused
83,674	Blank. NA (*, eyes dilated in exam in past 2 years)

*See footnote on page 25.

1

DB-38

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
426	17b	287 444 33 1 83,807	EYE EXAM PAST TWELVE MONTHS 1. Yes 2. No 8. Missing/Unknown 9. DK or refused Blank. NA (*, eyes dilated in exam in past year, no eye exam in past 2 years)
427	18a	625 1,692 15 73 82,167	DIABETES HAS AFFECTED RETINA 1. Yes 2. No 8. Missing/Unknown 9. DK or refused Blank. NA (*)
428-429	18b	532 0 47 46 83,947	AGE FIRST TOLD DIABETES AFFECTED RETINA 01-96. 1-96 years old 97. 97+ years old 98. Missing/Unknown 99. DK or refused Blank. NA (*, Never/unknown if told diabetes affected retina)
430	19a	154 450 6 15 83,947	EVER HAD LASER OR PHOTOCOAGULATION TREATMENT FOR THIS PROBLEM 1. Yes 2. No 8. Missing/Unknown 9. DK or refused Blank. NA (*, Never/unknown if told diabetes affected retina)
431	19b	62 88 4 0 84,418	RECEIVE TREATMENT PAST TWELVE MONTHS 1. Yes 2. No 8. Missing/Unknown 9. DK or refused Blank. NA (*, Never/unknown if

told diabetes affected retina,
 never/unknown if had laser/
 photocoagulation treatment
 for problem)

*See footnote on page 25.

1

DB-39

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
retinal	432	19c	FIRST TIME HAD TREATMENT (had laser/ photocoagulation treatment for problem in last year) 1. Yes 2. No 8. Missing/Unknown 9. DK or refused Blank. NA
		40	
		21	
		1	
		0	
		84,510	
	433	20	EVER HAD PHOTOGRAPHS TAKEN OF RETINA 1. Yes 2. No 8. Missing/Unknown 9. DK or refused Blank. NA (*)
		589	
		1,532	
		15	
		269	
		82,167	
	434	21	TROUBLE SEEING WITH ONE OR BOTH EYES 1. Yes 2. No 8. Missing/Unknown 9. DK or refused Blank. NA (*)
		638	
		1,743	
		13	
		11	
		82,167	

*See footnote on page 25.

1

DB-40

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
435-437	22a		NUMBER OF TIMES BLOOD PRESSURE CHECKED BY HEALTH PROFESSIONAL 12 MONTHS 000. None
		118	

		2,225	001-996.	001-996 Times
		0	997.	997+ Times
		15	998.	Missing/Unknown
		47	999.	DK or refused
		82,167	Blank.	NA (*)
438	22b		EVER TOLD HAD HIGH BLOOD PRESSURE OR HYPERTENSION	
		1,422	1.	Yes
		960	2.	No
		17	8.	Missing/Unknown
		6	9.	DK or refused
		82,167	Blank.	NA (*)
(439-442)	22c(1-4)		DOING ANY OF THE FOLLOWING FOR HIGH BLOOD PRESSURE	
439	22c(1)		Taking Prescribed Medication	
		1,148	1.	Yes
		1,218	2.	No
		25	8.	Missing/Unknown
		14	9.	DK or refused
		82,167	Blank.	NA (*)
440	22c(2)		Losing Weight or Controlling Weight	
		1,384	1.	Yes
		991	2.	No
		19	8.	Missing/Unknown
		11	9.	DK or refused
		82,167	Blank.	NA (*)
441	22c(3)		Cutting Down on Salt or Sodium	
		1,747	1.	Yes
		634	2.	No
		19	8.	Missing/Unknown
		5	9.	DK or refused
		82,167	Blank.	NA (*)

*See footnote on page 25.

1

DB-41

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(439-442)	22c(1-4)		DOING ANY OF THE FOLLOWING FOR HIGH BLOOD PRESSURE (Continued)
442	22c(4)		Getting Physical Activity or Exercise
		1,299	1. Yes
		1,077	2. No
		24	8. Missing/Unknown

		5	9. DK or refused
		82,167	Blank. NA (*)
443	22d		BLOOD PRESSURE STATUS AT LAST CHECK
		334	1. High
		214	2. Borderline
		96	3. Low
		1,557	4. Normal
		141	5. Not Told
		1	6. Never Checked
		19	8. Missing/Unknown
		43	9. DK or refused
		82,167	Blank. NA (*)
(444-453)	23a-j		HAS DOCTOR EVER TOLD YOU THAT YOU HAD THESE CONDITIONS
444	23a		Glaucoma
		172	1. Yes
		2,204	2. No
		12	8. Missing/Unknown
		17	9. DK or refused
		82,167	Blank. NA (*)
445	23b		Now Taking Medication For Glaucoma
		91	1. Yes
		74	2. No
		7	8. Missing/Unknown
		0	9. DK or refused
		84,400	Blank. NA (*, no/unknown if ever had glaucoma)
446	23c		Angina
		289	1. Yes
		2,072	2. No
		16	8. Missing/Unknown
		28	9. DK or refused
		82,167	Blank. NA (*)

*See footnote on page 25.

1

DB-42

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(444-453)	23a-j		HAS DOCTOR EVER TOLD YOU THAT YOU HAD THESE CONDITIONS (Continued)
447	23d		Now Taking Medication For Angina
		199	1. Yes
		71	2. No
		16	8. Missing/Unknown
		3	9. DK or refused

		84,283	Blank. NA (*, No/unknown if ever had angina)
448	23e	616	Any Other Heart Trouble
		1,750	1. Yes
		21	2. No
		18	8. Missing/Unknown
		82,167	9. DK or refused
			Blank. NA (*)
449	23f		Now Taking Medication For Other Heart Trouble
		396	1. Yes
		188	2. No
		29	8. Missing/Unknown
		3	9. DK or refused
		83,956	Blank. NA (*, no/unknown if ever had other heart trouble)
450	23g		Stroke
		222	1. Yes
		2,157	2. No
		17	8. Missing/Unknown
		9	9. DK or refused
		82,167	Blank. NA (*)
451	23h		Cataracts
		535	1. Yes
		1,837	2. No
		20	8. Missing/Unknown
		13	9. DK or refused
		82,167	Blank. NA (*)
452	23i		Protein Or Albumin In Your Urine
		179	1. Yes
		1,999	2. No
		14	8. Missing/Unknown
		213	9. DK or refused
		82,167	Blank. NA (*)

*See footnote on page 25.

1

DB-43

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(444-453)	23a-j		HAS DOCTOR EVER TOLD YOU THAT YOU HAD THESE CONDITIONS (Continued)
453	23j	311	Periodontal Or Gum Disease
		2,039	1. Yes
			2. No

		20	8. Missing/Unknown
		35	9. DK or refused
		82,167	Blank. NA (*)
454	24a		EVER HAD KIDNEY DISEASE
		171	1. Yes
		2,202	2. No
		15	8. Missing/Unknown
		17	9. DK or refused
		82,167	Blank. NA (*)
455	24b		EVER HAD POLYCYSTIC KIDNEY DISEASE
		11	1. Yes
		95	2. No
		14	8. Missing/Unknown
		51	9. DK or refused
		84,401	Blank. NA (*, no/unknown if ever had kidney disease)
456-457	25		NUMBER OF TIMES WITH BLADDER OR URINARY TRACT INFECTION-12 MONTHS
		2,003	00. None
		356	01-96. 1-96 Times
		0	97. 97+ Times
		24	98. Missing/Unknown
		22	99. DK or refused
		82,167	Blank. NA (*)
458	26		EVER HAD SYMPTOMS OF BLADDER INFECTION FOR 3+ MONTHS
		158	1. Yes
		2,213	2. No
		16	8. Missing/Unknown
		18	9. DK or refused
		82,167	Blank. NA (*)

*See footnote on page 25.

1

DB-44

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
459	27		HAD PAINFUL BLADDER SYNDROME OR INTERSTITIAL CYSTITIS
		25	1. Yes
		90	2. No
		11	8. Missing/Unknown
		32	9. DK or refused
		84,414	Blank. NA (*, No/unknown if had symptoms of bladder infection for 3+ months)

460-461	28		AGE WHEN YOU HAD BLADDER SYNDROME OR INTERSTITIAL CYSTITIS
		24	01-96. 1-96 years old
		0	97. 97+ years old
		0	98. Missing/Unknown
		1	99. DK or refused
		84,547	Blank. NA (*, No/unknown if had painful bladder syndrome or interstitial cystitis)
462	29a		USUALLY HAVE TROUBLE STARTING URINATING
		2	0. NA/Dialysis
		191	1. Yes
		2,178	2. No
		25	8. Missing/Unknown
		9	9. DK or refused
		82,167	Blank. NA (*)
463	29b		USUALLY FEEL LIKE BLADDER NOT EMPTY
		482	1. Yes
		1,873	2. No
		26	8. Missing/Unknown
		22	9. DK or refused
		82,169	Blank. NA (*, on dialysis)
464	30a		USUALLY HAVE TO GET UP AT NIGHT TO URINATE
		1,558	1. Yes
		821	2. No
		18	8. Missing/Unknown
		6	9. DK or refused
		82,169	Blank. NA (*, on dialysis)

*See footnote on page 25.

1

DB-45

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
465-466	30b		NUMBER OF TIMES GET UP AT NIGHT TO URINATE
		13	00. Less than once a night
		1,525	01-96. 1-96 times
		0	97. 97+ times
		11	98. Missing/Unknown
		9	99. DK or refused
		83,014	Blank. NA (*, on dialysis, no/ unknown if got up at night to urinate)
467	31		AMPUTATION OF TOE, FOOT, LEG, OR PART OF LEG

2,320	0. No
33	1. Yes, toe
8	2. Yes, foot
29	3. Yes, leg or part of leg
14	8. Missing/Unknown
1	9. DK or refused
82,167	Blank. NA (*)

468	31	AMPUTATION OF TOE, FOOT, LEG, OR PART OF LEG
	2	1. Yes, toe
	6	2. Yes, foot
	5	3. Yes, leg or part of leg
	14	8. Missing/Unknown
	1	9. DK or refused
	84,544	Blank. NA (*, no amputation or amputation on 1 side only)

*See footnote on page 25.

1

DB-46

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
469-470	Recode		AMPUTATION OF TOE, FOOT, LEG OR PART OF LEG RECODE 1
		2,320	00. None
		26	01. Toe(s) on 1 foot
		3	02. 1 Foot
		28	03. 1 Leg or part of Leg
		2	11. Toes on both feet
		5	12. Toe(s) on 1 limb, Foot on other limb
		0	13. Toe(s) on 1 limb, leg or part of leg on other limb
		0	22. Both feet
of		0	23. Foot on 1 limb, leg or part leg on other limb
		6	32. Leg or part of leg on 1 limb, foot on other limb
legs		0	33. Both legs or part of both
		14	88. Missing/Unknown
		1	99. DK or refused
		82,167	Blank. NA (*)
471	Recode		AMPUTATION OF TOE, FOOT, LEG OR PART OF LEG RECODE 2
		2,320	0. None
		57	1. Amputation on 1 limb
		13	2. Amputation on both limbs
		14	8. Missing/Unknown

		1	9. DK or refused
		82,167	Blank. NA (*)
472	32a		HAD NUMBNESS OR LOSS OF FEELING IN HANDS/FEET
		689	1. Yes
		1,687	2. No
		18	8. Missing/unknown
		11	9. DK or refused
		82,167	Blank. NA (*)

*See footnote on page 25.

1

DB-47

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
473	32b		PAINFUL SENSATION OR TINGLING IN HANDS/FEET
		667	1. Yes
		1,713	2. No
		17	8. Missing/unknown
		8	9. DK or refused
		82,167	Blank. NA (*)
474	32c		DECREASED ABILITY TO FEEL HOT OR COLD BY TOUCH
		234	1. Yes
		2,135	2. No
		17	8. Missing/unknown
		19	9. DK or refused
		82,167	Blank. NA (*)
475	33a		NOW SMOKE CIGARETTES
		480	1. Yes
		1,906	2. No
		18	8. Missing/unknown
		1	9. DK or refused
		82,167	Blank. NA (*)
476-477	33b		NUMBER OF CIGARETTES SMOKE PER DAY
		10	00. Less than one per day
		464	01-96. 1-96 per day
		3	97. Don't smoke regularly
		2	98. Missing/unknown
		1	99. DK or refused
		84,092	Blank. NA (*, No/unknown if now smoke cigarettes)
478	34a		TRIED TO LOSE WEIGHT IN PAST YEAR
		1,328	1. Yes
		1,058	2. No
		17	8. Missing/unknown

2
82,167

9. DK or refused
Blank. NA (*)

479 34b

NOW WEIGHT MORE, LESS, OR ABOUT
THE SAME

284
865
1,226
23
7
82,167

1. More
2. Less
3. About the same
8. Missing/unknown
9. DK or refused
Blank. NA (*)

*See footnote on page 25.

1

DB-48

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
480-482	34c		AMOUNT OF WEIGHT GAINED OR LOST PAST YEAR
		1,226	000. No weight gained or lost
		1,114	001-301. 1-301 pounds
		0	302. 302+ pounds
		28	998. Missing/unknown
		37	999. DK or refused
		82,167	Blank. NA (*)
483-485	35a		WEIGHT AT TWENTY-FIVE YEARS OLD
		2,060	050-500. 50-500 pounds
		0	501. 501+ pounds
		18	998. missing/unknown
		280	999. DK or refused
		82,214	Blank. NA (*, current age less than 26 years)
486-488	35b		MOST EVER WEIGHED
		2,224	050-500. 50-500 pounds
		1	501. 501+ pounds
		20	998. Missing/unknown
		113	999. DK or refused
		82,214	Blank. NA (*, current age less than 26 years)
489-491	Recode		DIFFERENCE BETWEEN WEIGHT AT AGE 25 AND MOST EVER WEIGHED
		144	000. None
		1,886	001-499. 1-499 pounds
		328	998. Not calculable (one or Both weights greater than 501 pounds or missing/unknown)
		82,214	Blank. NA (*, current age less than 26 years)

492-493	35c		AGE WHEN FIRST WEIGHED THAT MUCH
		215	00. Now
		1,951	01-96. 1-96 years old
		0	97. 97+ years old
		53	98. Missing/unknown
		139	99. DK or refused
		82,214	Blank. NA (*, current age less than 26 years)

*See footnote on page 25.

1

DB-49

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
494	Recode		WHERE INFORMATION ABOUT DIABETES OBTAINED
		48	0. No information obtained
		2,327	1. Information obtained from 1 or more sources
		29	8. Unknown/missing
		1	9. DK, refused
		82,167	Blank. NA (*)
(495-508)	Recode		SOURCES OF INFORMATION ABOUT DIABETES
495			DOCTOR'S OFFICE - DOCTOR
		2,008	1. Mentioned
		319	2. Not mentioned
		82,245	Blank. NA (*, No, unknown sources of information about diabetes)
496			DOCTOR'S OFFICE - NURSE
		422	1. Mentioned
		1,905	2. Not mentioned
		82,245	Blank. NA (*, No, unknown sources of information about diabetes)
497			DIETICIAN OR NUTRITIONIST
		635	1. Mentioned
		1,692	2. Not mentioned
		82,245	Blank. NA (*, No, unknown sources of information about diabetes)
498			DOCTOR OR NURSE IN A HOSPITAL
		593	1. Mentioned
		1,734	2. Not mentioned
		82,245	Blank. NA (*, No, unknown sources of information about diabetes)
499			RELATIVE OR FRIEND

318	1. Mentioned
2,009	2. Not mentioned
82,245	Blank. NA (*, No, unknown sources of information about diabetes)

500

	ANOTHER DIABETIC
229	1. Mentioned
2,098	2. Not mentioned
82,245	Blank. NA (*, No, unknown sources of information about diabetes)

*See footnote on page 25.

1

DB-50

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(495-508)	Recode		SOURCES OF INFORMATION ABOUT DIABETES (Continued)
501		71 2,256 82,245	HEALTH DEPARTMENT 1. Mentioned 2. Not mentioned Blank. NA (*, No, unknown sources of information about diabetes)
502		279 2,048 82,245	DIABETES ORGANIZATION 1. Mentioned 2. Not mentioned Blank. NA (*, No, unknown sources of information about diabetes)
503		84 2,243 82,245	NATIONAL DIABETES INFORMATION CLEARING HOUSE 1. Mentioned 2. Not mentioned Blank. NA (*, No, unknown sources of information about diabetes)
504		103 2,224 82,245	DIABETES SUPPORT GROUP 1. Mentioned 2. Not mentioned Blank. NA (*, No, unknown sources of information about diabetes)
505		119 2,208 82,245	LIBRARY 1. Mentioned 2. Not mentioned Blank. NA (*, No, unknown sources of information about diabetes)
506		267	NEWSPAPERS 1. Mentioned

2,060
82,245

2. Not mentioned
Blank. NA (*, No, unknown sources
of information about diabetes)

507

290
2,037
82,245

DIABETES EDUCATION CLASS
1. Mentioned
2. Not mentioned
Blank. NA (*, No, unknown sources
of information about diabetes)

*See footnote on page 25.

1

DB-51

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes												
(495-508)	Recode		SOURCES OF INFORMATION ABOUT DIABETES (Continued)												
508		336 1,991 82,245	OTHER SOURCE 1. Mentioned 2. Not mentioned Blank. NA (*, No, unknown sources of information about diabetes)												
509-510		78 2,327 82,167	COUNT OF SOURCES OF INFORMATION ABOUT DIABETES 00. No known sources 01-14. 1-14 sources Blank. NA (*)												
(511-516)	36b		THREE BEST SOURCES FOR DIABETES INFORMATION												
			<table border="0"> <tr> <td></td> <td>ÜFirst</td> <td>ÜSecond</td> <td>ÜThird</td> </tr> <tr> <td></td> <td>Üsource</td> <td>Üsource</td> <td>Üsource</td> </tr> <tr> <td></td> <td>Ü511-512</td> <td>Ü513-514</td> <td>Ü515-</td> </tr> </table>		ÜFirst	ÜSecond	ÜThird		Üsource	Üsource	Üsource		Ü511-512	Ü513-514	Ü515-
	ÜFirst	ÜSecond	ÜThird												
	Üsource	Üsource	Üsource												
	Ü511-512	Ü513-514	Ü515-												
516															
	01. Doctor's office - doctor		Ü 1,824 Ü 0 Ü 0												
	02. Doctor's office - nurse		Ü 110 Ü 204 Ü 0												
	03. Dietician or nutritionist		Ü 95 Ü 309 Ü 49												
	04. Doctor or nurse in a hospital		Ü 138 Ü 236 Ü 73												
	05. Relative or friend		Ü 29 Ü 132 Ü 39												

Ü	06. Another diabetic	Ü	6 Ü	50 Ü	62
Ü	07. Health department	Ü	10 Ü	19 Ü	16
Ü	08. Diabetes organization	Ü	19 Ü	99 Ü	59
Ü	09. National diabetes information	Ü	4 Ü	22 Ü	24
Ü	clearing house	Ü	Ü	Ü	
Ü	10. Diabetes support group	Ü	6 Ü	27 Ü	24
Ü	11. Library	Ü	7 Ü	25 Ü	28
Ü	12. Newspapers	Ü	3 Ü	42 Ü	58
Ü	13. Diabetes education class	Ü	25 Ü	49 Ü	149
Ü	88. Other	Ü	49 Ü	90 Ü	137
Ü	98. Missing/unknown (1st source only)	Ü	2 Ü	0 Ü	0
Ü	99. Dk or refused	Ü	0 Ü	0 Ü	0
Ü	Blank. NA (*, less than this number of sources given)	Ü	82,245 Ü	83,268 Ü	83,854 Ü

517	Recode	COUNT OF MOST USEFUL SOURCES OF INFORMATION
	80	0. No known main sources
	2,325	1-3. 1-3 sources
	82,167	Blank. NA (*)

*See footnote on page 25.

1

DB-52

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
518	37a		TAKEN COURSE OR CLASS TO MANAGE DIABETES
		676	1. Yes
		1,651	2. No
		29	8. Missing/unknown
		1	9. DK or refused
		82,215	Blank. NA (*, no information obtained about diabetes)
519-521	37b		NUMBER OF INSTRUCTIONAL HOURS ON HOW TO MANAGE DIABETES
			000. Less than one hour
			001-996. 001-996 hours
			997. 997+ hours

998. Missing/unknown
 999. DK or refused
 Blank. NA (*, no/unknown if
 diabetes management
 class taken)

(522-526)	37c(1-6)		COURSE CONTAIN FOLLOWING SUBJECTS:
522	37c(1)		How To Inject Insulin
		529	1. Yes
		141	2. No
		6	8. Missing/unknown
		0	9. DK or refused
		83,896	Blank. NA (*, no/unknown if diabetes management class taken)
523	37c(2)		How To Change Insulin Dose
		460	1. Yes
		208	2. No
		5	8. Missing/unknown
		3	9. DK or refused
		83,896	Blank. NA (*, no/unknown if diabetes management class taken)

*See footnote on page 25.

1

DB-53

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
(522-526)	37c(1-6)		COURSE CONTAIN FOLLOWING SUBJECTS: (Continued)
524	37c(3)		How To Manage Your Diabetes When You Are Sick
		559	1. Yes
		108	2. No
		4	8. Missing/unknown
		5	9. DK or refused
		83,896	Blank. NA (*, no/unknown if diabetes management class taken)
525	37c(4)		How To Test Blood Or Urine For Sugar
		609	1. Yes
		58	2. No
		6	8. Missing/unknown
		3	9. DK or refused
		83,896	Blank. NA (*, no/unknown if diabetes management

			class taken)
526	37c(5)		How To Plan Meals
		647	1. Yes
		22	2. No
		5	8. Missing/unknown
		2	9. DK or refused
		83,896	Blank. NA (*, no/unknown if diabetes management class taken)
527	37c(6)		How To Care For Feet
		602	1. Yes
		67	2. No
		4	8. Missing/unknown
		3	9. DK or refused
		83,896	Blank. NA (*, no/unknown if diabetes management class taken)

*See footnote on page 25.

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DB-54

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
528	38		EVER ATTENDED EDUCATION PROGRAM OR CLASS ABOUT DIABETES
		254	1. Yes
		2,058	2. No
		39	8. Missing/unknown
		6	9. DK or refused
		82,215	Blank. NA (*, No information obtained about diabetes)
529	39		WERE PARENT(S) DIABETIC
		234	1. Yes, father
		569	2. Yes, mother
		118	3. Yes, both
		1,327	4. No
		32	8. Missing/unknown
		125	9. DK or refused
		82,167	Blank. NA (*)
530-531	40		TOTAL NUMBER OF CHILDREN YOU HAVE HAD
		362	00. None
		2,012	01-29. 1-29 children
		0	30. 30+ children
		29	98. Missing/unknown
		2	99. Dk or refused
		82,167	Blank. NA (*)

*See footnote on page 25.

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
532	Recode		DIABETES RESPONSE STATUS
		59,449	1. Non diabetic* non-sub sample person (includes unk. if SP)
		1,792	2. Diabetic** non-sub sample person (includes unk. if SP)
		20,131	3. Non-diabetic** sub sample person with Diabetes Risk Factor Supplement (DRFS)
		2,461	4. Non-diabetic sub sample person without DRFS
		716	5. Diabetic sub sample person with data
		23	6. Diabetic** sub sample person without data

*Includes unknown if diabetic

**Includes probable diabetics

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
SECTION T. DIABETES RISK FACTOR QUESTIONS*			
(533-536)	1(a-d)		EVER BEEN TOLD BY DOCTOR THAT YOU HAD FOLLOWING CONDITIONS
533	1a		Protein Or Albumin In Urine
		810	1. Yes
		19,096	2. No
		9	8. Missing/Unknown
		216	9. DK or refused
		64,441	Blank. NA (**)
534	1b		Kidney Disease
		299	1. Yes
		19,628	2. No
		154	8. Missing/Unknown
		50	9. DK or refused
		64,441	Blank. NA (**)

535	1c		Polycystic Kidney Disease
		15	1. Yes
		201	2. No
		24	8. Missing/Unknown
		59	9. DK or refused
		84,273	Blank. NA (**, no kidney disease reported)
536	1d		Periodontal or Gum Disease
		1,733	1. Yes
		18,169	2. No
		101	8. Missing/Unknown
		128	9. DK or refused
		64,441	Blank. NA (**)

*Data in location 533-584 are for questions asked on non-diabetic sample persons. The appropriate weight to use for these persons is in location 207-212. The same questions (with one exception) were asked of all diabetics, including diabetic sample persons. The data for all diabetics is located within the diabetic section of the data tape. See the list of cross-referenced locations included in the covering documentation.

**Not sample person, diabetic sample person

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DB-57

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
537-538	2a		NUMBER OF TIMES CHECKED IN PAST 12 MONTHS FOR DIABETES
		12,860	00. None
		6,296	01-96. 1-96 Times
		2	97. 97+ Times
		16	98. Missing/Unknown
		957	99. DK or refused
		64,441	Blank. NA (**)
539-541	2b		NUMBER OF TIMES IN PAST 12 MONTHS BLOOD PRESSURE CHECKED
		4,232	000. None
		15,546	001-996. 001-996 Times
		1	997. 997+ Times
		121	998. Missing/Unknown
		231	999. DK or refused
		64,441	Blank. NA (**)
542-543	3		NUMBER OF TIMES HAD BLADDER/URINARY TRACT INFECTION PAST 12 MONTHS
		18,314	00. None
		1,670	01-96. 1-96 Times
		1	97. 97+ Times
		64	98. Missing/Unknown
		82	99. DK or refused

		64,441	Blank. NA (**)
544	4		EVER HAD SYMPTOMS OF BLADDER
INFECTION		657	1. Yes
		19,325	2. No
		86	8. Missing/Unknown
		63	9. DK or refused
		64,441	Blank. NA (**)
545	5a		TOLD YOU HAD PAINFUL BLADDER
			SYNDROME OR INTERSTITIAL CYSTITIS
		111	1. Yes
		430	2. No
		12	8. Missing/Unknown
		104	9. DK or refused
		83,915	Blank. NA (**, No bladder infection symptoms reported)

**See footnote on page 56.

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DB-58

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
546-547	5b		AGE WHEN FIRST TOLD HAD PAINFUL BLADDER SYNDROME OR INTERSTITIAL CYSTITIS
		107	01-96. 1-96 years old
		0	97. 97+ years old
		2	98. Missing/Unknown
		2	99. DK or refused
		84,461	Blank. NA (**, No bladder infection symptoms reported or no bladder syndrome/interstitial cystitis reported)
painful			
548	6a		USUALLY HAVE TROUBLE STARTING URINATING
		10	0. NA/Dialysis
		509	1. Yes
		19,491	2. No
		93	8. Missing/Unknown
		28	9. DK or refused
		64,441	Blank. NA (**)
549	6b		USUALLY FEEL LIKE BLADDER NOT EMPTY
		1,390	1. Yes
		18,162	2. No
		498	8. Missing/Unknown
		71	9. DK or refused
		64,451	Blank. NA (**, on dialysis)

550	7a		USUALLY HAVE TO GET UP AT NIGHT TO URINATE
		6,324	1. Yes
		13,697	2. No
		54	8. Missing/Unknown
		46	9. DK or refused
		64,451	Blank. NA (**, on dialysis)
551-552	7b		NUMBER OF TIMES GET UP AT NIGHT TO URINATE
		101	00. Less than once a night
		6,177	01-96. 1-96 Times a night
		0	97. 97+ Times a night
		35	98. Missing/unknown
		11	99. DK or refused
		78,248	Blank. NA (**, on dialysis or does not get up at night)

**See footnote on page 56.

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DB-59

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
553	8		HAD ANY SORES OR IRRITATIONS ON FEET OR ANKLES THAT DID NOT HEAL
		284	1. Yes
		19,695	2. No
		116	8. Missing/Unknown
		36	9. DK or refused
		64,441	Blank. NA (**)
554	9		AMPUTATION OF TOE, FOOT, LEG OR PART OF LEG
		20,004	0. None
		24	1. Yes, toe
		4	2. Yes, foot
		30	3. Yes, leg or part of leg
		66	8. Missing/Unknown
		3	9. DK or refused
		64,441	Blank. NA (**)
555	9		AMPUTATION OF TOE, FOOT, LEG OR PART OF LEG
		0	1. Yes, toe
		3	2. Yes, foot
		1	3. Yes, leg or part of leg
		66	8. Missing/Unknown
		3	9. DK or refused
		84,499	Blank. NA (**, No amputation or amputations on 1 side only)

556-557	Recode		AMPUTATION OF TOE, FOOT, LEG OR PART OF LEG RECODE 1
		20,004	00. None
		22	01. Toe(s) on 1 foot
		3	02. 1 Foot
		29	03. 1 Leg or part of Leg
		0	11. Toes on both feet
		1	12. Toe(s) on 1 limb, Foot on other limb
		1	13. Toe(s) on 1 limb, leg or part of leg on other limb
		1	22. Both feet
of		1	23. Foot on 1 limb, leg or part leg on other limb
		0	32. Leg or part of leg on 1 limb, foot on other limb
legs		0	33. Both legs or part of both
		66	88. Missing/Unknown
		3	99. DK or refused
		64,441	Blank. NA (**)

**See footnote on page 56.

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DB-60

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
558	Recode		AMPUTATION OF TOE, FOOT, LEG OR PART OF LEG RECODE 2
		20,004	0. None
		54	1. Amputation on 1 limb
		4	2. Amputation on both limbs
		66	8. Missing/Unknown
		3	9. DK or refused
		64,441	Blank. NA (**)
559	10a		HAD NUMBNESS OR LOSS OF FEELING IN HANDS/FEET
		1,631	1. Yes
		18,402	2. No
		56	8. Missing/Unknown
		42	9. DK or refused
		64,441	Blank. NA (**)
560	10b		PAINFUL SENSATION OR TINGLING IN HANDS/FEET
		1,615	1. Yes
		18,404	2. No
		88	8. Missing/Unknown
		24	9. DK or refused
		64,441	Blank. NA (**)

561	10c		DECREASED ABILITY TO FEEL HOT OR COLD BY TOUCH
		356	1. Yes
		19,542	2. No
		182	8. Missing/Unknown
		51	9. DK or refused
		64,441	Blank. NA (**)
562	11a		NOW SMOKE CIGARETTES
		5,361	1. Yes
		14,737	2. No
		30	8. Missing/Unknown
		3	9. DK or refused
		64,441	Blank. NA (**)

**See footnote on page 56.

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DB-61

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
563-564	11b		NUMBER OF CIGARETTES SMOKE PER DAY
		77	00. Less than 1 per day
		5,153	01-95. 1-95 per day
		4	96. 96+ per day
		97	97. Don't smoke regularly
		16	98. Missing/Unknown
		14	99. DK or refused
		79,211	Blank. NA (**, Not or unknown if current smoker)
565	12a		TRIED TO LOSE WEIGHT IN PAST YEAR
		8,465	1. Yes
		11,618	2. No
		43	8. Missing/Unknown
		5	9. DK or refused
		64,441	Blank. NA (**)
566	12b		NOW WEIGHT MORE, LESS, OR ABOUT THE SAME
		3,762	1. More
		4,016	2. Less
		12,160	3. About the same
		172	8. Missing/Unknown
		21	9. DK or refused
		64,441	Blank. NA (**)
567-569	12c		AMOUNT OF WEIGHT GAINED OR LOST PAST YEAR
		12,160	000. No weight gained or lost
		7,582	001-300. 1-300 pounds

0	301.	301+ pounds
216	998.	Missing/Unknown
173	999.	DK or refused
64,441	Blank.	NA (**)

570-572	13a		WEIGHT AT 25 YEARS OLD
15,985		050-500.	50-500 pounds
0		501.	501+ pounds
108		998.	Missing/Unknown
1,121		999.	DK or refused
67,358		Blank.	NA (**, current age less than 26 years)

**See footnote on page 56.

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DB-62

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
573-575	13b		MOST EVER WEIGHED
		16,556	050-500. 50-500 pounds
		2	501. 501+ pounds
		143	998. Missing/Unknown
		513	999. DK or refused
		67,358	Blank. NA (**, current age less than 26 years)
576-578	Recode		DIFFERENCE BETWEEN WEIGHT AT AGE 25 AND MOST EVER WEIGHED
		1,234	000. None
		14,534	001-449. 1-449 pounds
		1,446	998. Not calculable (one or both weights greater than or equal to 501 pounds or missing/unknown)
		67,358	Blank. NA (**, Current age less than 26 years)
579-580	13c		AGE WHEN FIRST WEIGHED THAT MUCH
		2,677	00. Now
		13,549	01-96. 1-96 Years old
		0	97. 97+ Years old
		362	98. Missing/Unknown
		626	99. DK or refused
		67,358	Blank. NA (**, Current age less than 26 years)
581	14		HAVE SERIOUS TROUBLE SEEING WITH ONE OR BOTH EYES
		1,372	1. Yes
		18,636	2. No
		112	8. Missing/Unknown
		11	9. DK or refused

		64,441	Blank. NA (**)
582	15		PARENTS TOLD THEY HAD DIABETES
		1,175	1. Yes, father
		1,677	2. Yes, mother
		197	3. Yes, both
		16,544	4. No
		60	8. Missing/Unknown
		478	9. DK or refused
		64,441	Blank. NA (**)

**See footnote on page 56.

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DB-63

1989 NHIS DIABETES PUBLIC USE TAPE RECORD

Tape Locations	Item No.	Frequency	Items and Codes
583-584	16		TOTAL NUMBER OF CHILDREN
		6,175	00. None
		13,876	01-29. 1-29 Total number of children
		1	30. 30+ Total number of children
		52	98. Missing/Unknown
		28	99. DK or refused
		64,441	Blank. NA (**)
585-600			BLANK

**See footnote on page 56.

1

1

APPENDIX

B

INDUSTRY RECODES OUTLINE

Recodes				
No. 1	No. 2	Detail Code	Industry Title	SIC Code*
Chrs.	Chrs.	(Chrs. 77-79)		
80-81	82-83			
01	01	010-011,020-021	AGRICULTURE	01-02,07,078
02	01	030-031	FORESTRY AND FISHERIES	08-09
10	02	040-042,050	MINING	10-14

20	03	060		CONSTRUCTION	15-17
(30-34, 40-46)	(04)	-		MANUFACTURING:	
(30-34)				NONDURABLE GOODS	
30	04	100-102,110-112, 120-122		Food and kindred products	201-209
31	04	132,140-142, 150-152		Textile mill and finished textile products	221-229,231-239
32	04	171-172		Printing, publishing and allied industries	271-279
33	04	180-182,190-192		Chemicals and allied products	281-287,289
34	04	130,160-162, 200-201,210-212, 220-222		Other nondurable goods	21,261-266,291,295, 299,301-304,306- 307, 311,313-317,319

*Standard Industrial Classification

1
B

APPENDIX

INDUSTRY RECODES OUTLINE

Recodes				
No. 1	No. 2			
Chrs.	Chrs.	Detail Code	Industry Title	SIC Code*
80-81	82-83	(Chrs. 77-79)		
(30-34, 40-46)	(04)	-	MANUFACTURING: - continued	
(40-46)			DURABLE GOODS	
40	04	230-232,241-242	Furniture, lumber and wood	
41	04	270-272,280	Primary metal industries	331-332,334,3331- 3334,3339,3351,3353- 3357,3361- 3362,3369, 339

42	04	281-282,290-292, 300	Fabricated metal industries, including ordnance	341-349
43	04	310-312,320-322, 331-332	Machinery, except electrical	351-359
44	04	340-342,350	Electrical machinery, equipment and supplies	361-367,369
45	04	351-352,360-362, 370	Transportation equipment	371-376,379
46	04	250-252,261-262, 301,371-372, 380-382,390-392	Other and not specified durable goods	321-329,381-387,394

(50-54) (05) - TRANSPORTATION, COMMUNICATIONS
AND OTHER PUBLIC UTILITIES

50	05	400	Railroads	40
51	05	410-411	Trucking service and warehousing	421-423
52	05	401-402,412, 420-422,432	Other transportation	41,43-47
53	05	440-442	Communications	481-483,489
54	05	460-462,470-472	Utilities and sanitary	491-497

*Standard Industrial Classification

1
B

APPENDIX

INDUSTRY RECODES OUTLINE

Recodes

 No. 1 No. 2
 Chrs. Chrs. Detail Code Industry Title SIC Code*
 80-81 82-83 (Chrs. 77-79)

60	06	500-502,510-512, 521-522,530-532, 540-542,550-552, 560-562,571	WHOLESALE TRADE	501-508,5093,5094, 5099,511-518,5191, 5194,5198,5199
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(61-65) (07) - RETAIL TRADE

61	07	591-592,600	General merchandise stores	531,533,539
62	07	601-602,610-611	Food, bakery and dairy stores	541-546,549
63	07	612,620-622	Automotive dealers and gasoline stations	551-557,559
64	07	641	Eating and drinking places	58
65	07	580-582,590, 630-632,640,642, 650-652,660-662, 5963, 670-672,681-682, 691	Other and not specified retail trade	521,523,525-527,56, 571-573,591-593, 5941-5949,5961- 598,5992-5994,5999

(70-71) (08) - FINANCE, INSURANCE, AND REAL ESTATE

70	08	700-702	Banking and credit agencies	60-61
71	08	710-712	Insurance, real estate, and other finance	62-67

*Standard Industrial Classification

1
B

APPENDIX

INDUSTRY RECODES OUTLINE

Recodes

No. 1 Chrs. 80-81	No. 2 Chrs. 82-83	Detail Code (Chrs. 77-79)	Industry Title	SIC Code*
(75-85)	(09-12)	-	SERVICES:	
(75-76)	(09)		BUSINESS AND REPAIR SERVICES	
75	09	721-722,730-732, 740-742,750	Business services	731-737,7391-7397, 7399,751,752,754
76	09	751-752,760	Repair services	753,762-764,7692, 7694,7699
(77-78)	(10)	-	PERSONAL SERVICES	
77	10	761	Private households	88
78	10	762,770-772,	Other personal services	701-704,721-726,729

		780-782,790-791		
79	11	800-802	ENTERTAINMENT AND RECREATION SERVICES	78,791-794,799
(80-85)	(12)	-	PROFESSIONAL AND RELATED SERVICES	
80	12	831	Hospitals	806
81	12	812,820-822,830,832,840	Health services, except hospitals	801-803,8041-8042,8049,805,807-809
82	12	842,850	Elementary and secondary schools and colleges	821-822
83	12	851-852,860	Other educational services	823-824,829
84	12	861-862,870-872,880-881	Social services, religious and membership organizations	832-833,835-836,839,84,861-866,869
85	12	841,882,890-892	Legal, engineering and other professional services	81,891-893,899

*Standard Industrial Classification

1
B

APPENDIX

INDUSTRY RECODES OUTLINE

Recodes				
No. 1	No. 2	Detail Code	Industry Title	SIC Code*
Chrs. 80-81	Chrs. 82-83	(Chrs. 77-79)		
90	13	900-901,910,921-922,930-932	PUBLIC ADMINISTRATION	911-913,919,92-97
95	14	990 and all other codes except 996	UNKNOWN INDUSTRY	-
96	14	996	NEW WORKER	
97	15	Not applicable	NOT IN LABOR FORCE - codes Blank and 8 in current activity recode (loc. 75) (Under 18 or 18+ and	

Recodes				
No. 1 Chrs. 87-88	No. 2 Chrs. 89-90	Detail Code (Chrs. 84-86)	Occupation Title	SOC Code*
(01-03)	(01)	-	EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS	-
01	01	003-006	Officials and administrators, public administration	111-113
02	01	007-009,013-019	Managers and administrators, except public administration	121-128,132-139
03	01	023-029,033-037	Management related occupations	1412,1414-1415, 1419,142-143, 1442-1443,1449, 145,1472-
1473,149				
(04-11)	(02)	-	PROFESSIONAL SPECIALTY OCCUPATIONS	-
04	02	044-049,053-059	Engineers	1622-1628,1632- 1637,1639
05	02	043,063	Architects and surveyors	161,164
06	02	064-069,073-079 083	Natural mathematical and computer scientists	171-172,1732- 1733,1739,1842- 1843,1845-1847, 1849,1852-1855
07	02	084-089	Health diagnosing occupations	27,261-262,281, 283,289
08	02	095-099,103-106	Health assessment and treating occupations	29,301-302,3031- 3034,3039,304,
09	02	113-119,123-129, 133-139,143-149 153-159,163-165	Teachers, librarians and counselors	2212-2218,2222- 2228,2231-2238, 2242-2247,2249, 231-233,235,236, 239,24,251,252
10	02	183-189,193-195, 197-199	Writers, artists, entertainers and athletes	34,321-329,331- 333,398
11	02	166-169,173-179	Other professional specialty occupations	1912-1916,1919, 192,2032-2033, 2042,2049,211-

212

*Standard Occupational Classification.

OCCUPATION RECODE OUTLINE

Recodes				
No. 1 Chrs. 87-88	No. 2 Chrs. 89-90	Detail Code (Chrs. 84-86)	Occupation Title	SOC Code*
(12-13)	(03)	-	TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	-
12	03	203-208	Health technologists and technicians	362-366,369
13	03	213-218,223-229, 233-235	Technologists, technicians except health	3711-3713,3719, 372-
373,382,3831-				
3833,384,389,392-				393,396,3971-
3972,3974,399,825				
(14-16)	(04)	-	SALES OCCUPATIONS	-
14	04	243	Supervisors and proprietors	40
15	04	253-259	Sales representatives, commodities and finance	4122-4124,4152- 4153,421,423-424
16	04	263-269,274-278, 283-285	Other sales	4342-4348,4351- 4354,4356,4359, 4362-4367,4369, 444-447,449
(17-21)	(05)	-	ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	-
17	05	308-309	Computer equipment operators	4612-4613
18	05	313-315	Secretaries, stenographers and typists	4622-4624
19	05	337-339,343-344	Financial records processing occupations	4712-4713,4715- 4716,4718
20	05	354-357	Mail and message distributing	4742-4745
21	05	303-307,316-319, 323,325-329, 335-336,345-349, 353,359,363-366, 368-369,373-379,	Other administrative support	4511-4519,4521- 4529,463,4642- 4645,4649,4662- 4664,4692,4694, 4696,4699,4722-

383-387,389

4723,4729,4732-
4733,4739,4751-
4759,4782-4784,
4786-4787,4791-
4795,4799

*Standard Occupational Classification.

1
C

APPENDIX

OCCUPATION RECODE OUTLINE

Recodes				
No. 1	No. 2	Detail Code	Occupation Title	SOC Code*
Chrs. 87-88	Chrs. 89-90	(Chrs. 84-86)		
22	06	403-407	PRIVATE HOUSEHOLD OCCUPATIONS	502-507,509
(23-24)	(07)	-	PROTECTIVE SERVICE OCCUPATIONS	
23	07	413-414,416-418, 423-424	Police and firefighters	5111-5112,5122- 5123,5132-5134
24	07	415,425-427	Other protective service occupations	5113,5142,5144, 5149
(25-28)	(08)	-	SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	
25	08	433-439,443-444	Food service	5211-5219
26	08	445-447	Health service	5232-5233,5236
27	08	448-449,453-455	Cleaning and building service	5241-5242,5244- 5246,5249
28	08	456-459,463-469	Personal service	5251-5258,5262- 5264,5269
(29-31)	(09)	-	FARMING, FORESTRY AND FISHING OCCUPATIONS	
29	09	473-476	Farm operators and managers	5512-5515,5522- 5525
30	09	477,479,483-489	Farm workers and other	5611-5619,5621-

			agricultural workers	5622,5624-5625, 5627
31	09	494-499	Forestry and fishing occupations	571-573,579, 583-

584,8241(pt.)

*Standard Occupational Classification.

1
C

APPENDIX

OCCUPATION RECODE OUTLINE

Recodes				
No. 1	No. 2	Detail Code	Occupation Title	SOC Code*
Chrs. 87-88	Chrs. 89-90	(Chrs. 84-86)		
(32-34)	(10)	-	PRECISION PRODUCTION, CRAFT AND REPAIR OCCUPATIONS	
32	10	503,505-509, 514-519,523, 525-527,529 533-536,538-539, 543-544,547,549	Mechanics and repairers	60,6111-6118, 613-614,6151- 6159,616,6171- 6179
33	10	553-558,563-567, 569,573,575-577, 579,583-585, 587-589,593-599, 613-617	Construction and extractive trades	6311-6316,6318, 632,6412-6414, 6422,6424,6432- 6433,6442-6444, 645,6462-6468, 6472,6476,6479, 652-654,656
34	10	633-637,639, 643-647,649, 653-659,666-669, 673-679,683-684, 686-689,693-696, 699	Precision production occupations	67,71,6811-6814, 6816-6817,6821- 6824,6829,6831- 6832,6835,6839, 6844,6852-6854, 6856,6859,6861- 6862,6864-6867, 6869,6871-6873, 6879,6881-6882, 691-696,7447, 7668,7677,7752, 828

*Standard Occupational Classification

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APPENDIX

OCCUPATION RECODE OUTLINE

Recodes				
No. 1	No. 2	Detail Code	Occupation Title	SOC Code*
Chrs. 87-88	Chrs. 89-90	(Chrs. 84-86)		
OPERATORS, FABRICATORS AND LABORERS				
(35-36)	(11)		MACHINE OPERATORS, ASSEMBLERS AND INSPECTORS	
35	11	703-709,713-715, 717,719,723-729, 733-739,743-745, 747-749,753-759, 763-766,768-769, 773-774,777,779	Machine operators and tenderers,except precision	6841-6842,6849, 6855,6863,6868, 7312-7319,7322, 7324,7326,7329, 7339,7342-7344, 7349,7431-7435, 7439,7443-7444, 7449,7451-7452, 7459,7462-7463, 7467,7472,7474, 7476-7478, 7479(pt.),7512- 7519,7522,7529, 7539,7542-7544, 7549,7631-7636, 7639,7642-7644, 7649,7651-7652, 7654-7659,7661- 7667,7669,7671- 7676,7677(pt.), 7678-7679
36	11	783-787,789, 793-799	Fabricators, assemblers, inspectors and samplers	7332-7333,7532- 7533,7714,7717, 772,774,7753- 7759,782-785,787
(37-39)	(12)	-	TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	
37	12	803-806,808-809, 813-814	Motor vehicle operators	8111,8212-8216, 8218-8219,874
38	12	823-826,828-829, 833-834	Other transportation, except motor vehicles	8113,8232-8233, 8239,8241(pt.), 8242-8245
39	12	843-845,848-849, 853,855-856,859	Material moving equipment operators	812,8312-8319

*Standard Occupational Classification

OCCUPATION RECODE OUTLINE

Recodes				
No. 1 Chrs. 87-88	No. 2 Chrs. 89-90	Detail Code (Chrs. 84-86)	Occupation Title	SOC Code*
(40-41)	(13)		HANDLERS, EQUIPMENT CLEANERS, HELPERS AND LABORERS	
40	13	869	Construction laborers	871
41	13	863-867,873, 875-878,883,885, 887-889	Freight, stock and material handlers	85,861-863, 8641-8646, 8648,865, 8722-8726,873, 875,8761,8769
95	14	999 and all other codes except 990	UNKNOWN OCCUPATION	
96	14	990	NEW WORKER	
97	15	Not applicable	NOT IN LABOR FORCE - codes Blank and 8 in current activity recode (Loc. 75). (Under 18 or 18+ and Not in Labor Force)	
98	16	905	MILITARY	

*Standard Occupational Classification

OCCUPATION RECODE TITLES

Code	Titles	Recode No. 1 Inclusions
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	MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	
01	EXECUTIVE, ADMINISTRATIVE AND MANAGERIAL OCCUPATIONS	01-03
02	PROFESSIONAL SPECIALTY OCCUPATIONS	04-11
	TECHNICAL, SALES AND ADMINISTRATIVE SUPPORT OCCUPATIONS	
03	TECHNICIANS AND RELATED SUPPORT OCCUPATIONS	12-13
04	SALES OCCUPATIONS	14-16
05	ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL	17-21
	SERVICE OCCUPATIONS	
06	PRIVATE HOUSEHOLD OCCUPATIONS	22
07	PROTECTIVE SERVICE OCCUPATIONS	23-24
08	SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	25-28
09	FARMING, FORESTRY AND FISHING OCCUPATIONS	29-31
10	PRECISION PRODUCTION, CRAFT AND REPAIR OCCUPATIONS	32-34
	OPERATORS, FABRICATORS AND LABORERS	
11	MACHINE OPERATORS, ASSEMBLERS AND INSPECTORS	35-36
12	TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	37-39
13	HANDLERS, EQUIPMENT CLEANERS, HELPERS AND LABORERS	40-41
14	UNKNOWN OCCUPATION (includes New Workers)	95-96
15	NOT IN LABOR FORCE	97
16	MILITARY	98