

# National Health and Nutrition Examination Survey

## 2017-March 2020 Data Documentation, Codebook, and Frequencies

### Diabetes (P\_DIQ)

#### Data File: P\_DIQ.xpt

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## Component Description

The NHANES program suspended field operations in March 2020 due to the coronavirus disease 2019 (COVID-19) pandemic. As a result, data collection for the NHANES 2019-2020 cycle was not completed and the collected data are not nationally representative. Therefore, data collected from 2019 to March 2020 were combined with data from the NHANES 2017-2018 cycle to form a nationally representative sample of NHANES 2017-March 2020 pre-pandemic data. These data are available to the public. Please refer to the Analytic Notes section for more details on the use of the data.

The 2017-March 2020 pre-pandemic diabetes data file (P\_DIQ) provides personal interview data on diabetes, prediabetes, use of insulin or oral hypoglycemic medications, and diabetic retinopathy. It also provides self-reported information on the general knowledge of diabetic complications, and medical or personal cares for the management of diabetes.

## Eligible Sample

All survey participants aged 1 year and older in the NHANES 2017-March 2020 pre-pandemic sample are included in this dataset. The questions asked varied by age and history of diabetes. Please refer to the diabetes questionnaire and corresponding codebook for question-specific details about the eligible target group.

## Interview Setting and Mode of Administration

These questions were asked, in the home, by trained interviewers using the Computer-Assisted Personal Interview (CAPI) system. Hand cards showing response categories were also used for some questions. When necessary, household interviewers read the hand cards to survey participants.

Participants 16 years of age and older and emancipated minors were interviewed directly. A proxy provided information for survey participants who were under 16 years of age and for participants who could not answer the questions themselves.

The NHANES 2017-2018 and 2019-2020 diabetes questionnaires are available on the NHANES website.

## Quality Assurance & Quality Control

The CAPI system is programmed with built-in consistency checks to reduce data entry errors. CAPI also uses online help screens to assist interviewers in defining key terms used in the questionnaire. Interviewers were required to audio-record interviews. The recorded interviews were reviewed by interviewer supervisors and NCHS staff.

## Data Processing and Editing

Frequency counts were checked, "skip" patterns were verified, and the reasonableness of question responses was reviewed. Edits were made to some variables to ensure the completeness, consistency, and analytic usefulness of the data. Edits were also made, when necessary, to address data disclosure concerns.

DID040: How old when a doctor first told you that you had diabetes?

All responses of age 80 years and older are coded as “80”, to be consistent with the coding for the participant age variable in the demographics file. Also, the onset of diabetes at age less than 1 year was coded as 666.

DID060: For how long have you been taking insulin?

Taking insulin less than 1 month was coded as 666.

DID250: How many times have you seen doctor in the past 12 months?

The value was coded as 0 for participants who reported “None.”

DID260: How often do you check your blood for glucose or sugar?

This variable was coded as 0 for participants who reported “Never.”

DID310S/D: What does doctor say your blood pressure should be?

If a participant reported “Provider did not specify goal,” the value of corresponding variable was coded as 6666.

DID320: What was your most recent LDL cholesterol number?

This variable was coded as 5555 and 6666 for participants who reported “Never heard of LDL” and “Never had cholesterol test” respectively.

DID330: What does doctor say your LDL cholesterol should be?

If a participant reported “Provider did not specify goal,” the value of corresponding variable was coded as 6666.

DID341: During the past 12 months, how many times has a doctor checked your feet for any sores or irritations?

The value was coded as 0 for participants who reported “None.”

DID350: How often do you check your feet for sores or irritation?

The value was coded as 0 for participants who reported “None.”

## Analytic Notes

The COVID-19 pandemic required suspension of NHANES 2019-2020 field operations in March 2020 after data were collected in 18 of the 30 survey locations in the 2019-2020 sample. Because the collected data from 18 locations were not nationally representative, these data were combined with data from the previous cycle (2017-2018) to create a 2017-March 2020 pre-pandemic data file. The resulting sample weights in the demographic file should be used to calculate estimates from the combined cycles. The sample weights are not appropriate for independent analyses of the 2019-2020 data and will not yield nationally representative results for either the 2017-2018 data alone or the 2019-March 2020 data alone. Please refer to the NHANES website for additional information for the NHANES 2017-March 2020 pre-pandemic data, and for the previous 2017-2018 public use data file with specific weights for that 2-year cycle.

The insulin use question (variables DIQ050, DID060, DIQ060U) was only reported for participants with diagnosed diabetes in the P\_DIQ data. In addition, questions related to the risk of diabetes (variables DIQ170, DIQ172, DIQ175) were not collected in 2019-2020 so they are not included in the P\_DIQ data. All other core questions including doctor diagnosed diabetes, duration of diabetes, oral diabetic medication, and diabetic retinopathy are the same as in the previous public use data. The questions about the participants' knowledge of their own levels of A1C, blood pressure, and cholesterol and knowledge of appropriate target levels, as suggested by their physicians, are also the same as in the previous public use data. The responses to these questions reflect the participants' knowledge and may not be biologically reasonable for a few cases.

When combining DIQ data from different survey cycles, please note that there is a possible name change for the same question across survey cycles due to data processing and editing. The following cross reference table shows these variable names from the 1999–2000 data through the 2017–March 2020 pre-pandemic data.

Variable names across survey cycles

Label	1999–2000	2001–2004	2005–2008	2009–Mar2020
Age when first told you had diabetes	DIQ040G	DID040G	DID040	DID040
Number of years of age	DIQ040Q	DID040Q		
How long taking insulin	DIQ060G	DID060G	DID060	DID060
Number of mos/yrs taking insulin	DIQ060Q	DID060Q		
Take diabetic pills to lower blood sugar	DIQ070	DIQ070	DID070	DIQ070
Past year times Dr check feet for sore	NA	NA	DID340	DID341

The analysis of NHANES 2017–March 2020 pre-pandemic diabetes questionnaire data must be conducted using the appropriate survey design variables, sample weights, and the basic demographic variables. Interview weights should only be used if questionnaire data are analyzed by themselves. However, if DIQ data are merged with the MEC examination data or laboratory full sample data, the MEC examination weights should be used for analyses. If DIQ data are merged with laboratory subsample data, subsample weights should be used for analyses.

Please refer to the [NHANES Analytic Guidelines](#) and the on-line [NHANES Tutorial](#) for details on the use of sample weights and other analytic issues.

## Codebook and Frequencies

### SEQN - Respondent sequence number

<b>Variable Name:</b>	SEQN
<b>SAS Label:</b>	Respondent sequence number
<b>English Text:</b>	Respondent sequence number.
<b>Target:</b>	Both males and females 1 YEARS - 150 YEARS

## DIQ010 - Doctor told you have diabetes

**Variable Name:** DIQ010**SAS Label:** Doctor told you have diabetes**English Text:** The next questions are about specific medical conditions. {Other than during pregnancy, {have you/has SP}/{Have you/Has SP}} ever been told by a doctor or health professional that {you have/{he/she/SP} has} diabetes or sugar diabetes?**English Instructions:** CAPI INSTRUCTION: IF SP AGE < 15, DISPLAY "HAVE SP" FOR THE FIRST DISPLAY AND "SP HAS" FOR THE SECOND DISPLAY. IF SP IS FEMALE AND AGE >= 20, DISPLAY "OTHER THAN DURING PREGNANCY, {HAVE YOU/HAS SP}".**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	1445	1445	
2	No	13249	14694	DIQ159
3	Borderline	284	14978	DIQ159
7	Refused	0	14978	DIQ159
9	Don't know	8	14986	DIQ159
.	Missing	0	14986	

## DID040 - Age when first told you had diabetes

**Variable Name:** DID040

**SAS Label:** Age when first told you had diabetes

**English Text:** How old {was SP/were you} when a doctor or other health professional first told {you/him/her} that {you/he/she} had diabetes or sugar diabetes?

**English Instructions:** ENTER AGE IN YEARS.

**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 79	Range of Values	1414	1414	
80	80 years or older	12	1426	
666	Less than 1 year	1	1427	
777	Refused	0	1427	
999	Don't know	16	1443	
.	Missing	13543	14986	

## DIQ159 - CHECK ITEM

<b>Variable Name:</b>	DIQ159
<b>English Instructions:</b>	BOX 4. CHECK ITEM DIQ.159: IF ANY AGE AND DIQ.010 = 1 (YES), GO TO DIQ.050. IF AGE >=12 AND DIQ.010 = 3, GO TO DIQ.180. IF AGE < 12, GO TO END OF SECTION. OTHERWISE, CONTINUE.
<b>Target:</b>	Both males and females 1 YEARS - 150 YEARS

## DIQ160 - Ever told you have prediabetes

**Variable Name:** DIQ160**SAS Label:** Ever told you have prediabetes**English Text:** {Have you/Has SP} ever been told by a doctor or other health professional that {you have/SP has} any of the following: prediabetes, impaired fasting glucose, impaired glucose tolerance, borderline diabetes or that {your/her/his} blood sugar is higher than normal but not high enough to be called diabetes or sugar diabetes?**English Instructions:** CAPI INSTRUCTION: HELP SCREEN: PREDIABETES, IMPAIRED FASTING GLUCOSE, IMPAIRED GLUCOSE TOLERANCE, OR BORDERLINE DIABETES OCCURS WHEN BLOOD SUGAR (GLUCOSE) LEVELS ARE HIGHER THAN NORMAL BUT NOT HIGH ENOUGH TO BE DIABETES. HAND CARD DIQ1.**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	952	952	
2	No	8548	9500	
7	Refused	0	9500	
9	Don't know	16	9516	
.	Missing	5470	14986	

## DIQ180 - Had blood tested past three years

**Variable Name:** DIQ180

**SAS Label:** Had blood tested past three years

**English Text:** {Have you/Has SP} had a blood test for high blood sugar or diabetes within the past three years?

**English Instructions:** INTERVIEWER INSTRUCTION: DO NOT INCLUDE URINE TESTS.

**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	4337	4337	DIQ065
2	No	5172	9509	DIQ065
7	Refused	1	9510	DIQ065
9	Don't know	286	9796	DIQ065
.	Missing	5190	14986	



## DIQ050 - Taking insulin now

**Variable Name:** DIQ050  
**SAS Label:** Taking insulin now  
**English Text:** {Is SP/Are you} now taking insulin  
**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	427	427	
2	No	1017	1444	DIQ065
7	Refused	0	1444	DIQ065
9	Don't know	1	1445	DIQ065
.	Missing	13541	14986	

## DID060 - How long taking insulin

**Variable Name:** DID060

**SAS Label:** How long taking insulin

**English Text:** For how long {have you/has SP} been taking insulin?

**English Instructions:** ENTER NUMBER (OF MONTHS OR YEARS).

**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 59	Range of Values	418	418	
666	Less than 1 month	6	424	
777	Refused	0	424	
999	Don't know	3	427	
.	Missing	14559	14986	

## DIQ060U - Unit of measure (month/year)

**Variable Name:** DIQ060U  
**SAS Label:** Unit of measure (month/year)  
**English Text:** UNIT OF MEASURE  
**English Instructions:** ENTER UNIT.  
**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Months	52	52	
2	Years	366	418	
.	Missing	14568	14986	

## DIQ065 - CHECK ITEM

<b>Variable Name:</b>	DIQ065
<b>English Instructions:</b>	BOX 0. CHECK ITEM DIQ.065: IF DIQ.010 = 1 (YES) OR DIQ.010 = 3 (BORDERLINE OR PREDIABETES) OR DIQ.160 = 1 (YES) CONTINUE. OTHERWISE, GO TO END OF SECTION.
<b>Target:</b>	Both males and females 1 YEARS - 150 YEARS

## DIQ070 - Take diabetic pills to lower blood sugar

**Variable Name:** DIQ070**SAS Label:** Take diabetic pills to lower blood sugar**English Text:** {Is SP/Are you} now taking diabetic pills to lower {{his/her}/your} blood sugar?  
These are sometimes called oral agents or oral hypoglycemic agents.**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	1128	1128	
2	No	1546	2674	
7	Refused	0	2674	
9	Don't know	5	2679	
.	Missing	12307	14986	

## DIQ229 - CHECK ITEM

**Variable Name:** DIQ229

**English Instructions:** BOX 8. CHECK ITEM DIQ.229: IF DIQ.010 = 3 (BORDERLINE OR PREDIABETES) OR DIQ.160 = 1 (YES), GO TO END OF SECTION. OTHERWISE, CONTINUE.

**Target:** Both males and females 1 YEARS - 150 YEARS

## DIQ230 - How long ago saw a diabetes specialist

**Variable Name:** DIQ230

**SAS Label:** How long ago saw a diabetes specialist

**English Text:** When was the last time {you/SP} saw a diabetes nurse educator or dietitian or nutritionist for {your/his/her} diabetes? Do not include doctors or other health professionals.

**English Instructions:** INTERVIEWER INSTRUCTION: IF RESPONDENT ANSWERS "TODAY" OR A PERIOD LESS THAN A MONTH, CODE 1 - THE 0-12 MONTH CATEGORY.

**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	1 year ago or less	398	398	
2	More than 1 year ago but no more than 2 years ago	119	517	
3	More than 2 years ago but no more than 5 years ago	146	663	
4	More than 5 years ago	223	886	
5	Never	544	1430	
7	Refused	0	1430	
9	Don't know	13	1443	
.	Missing	13543	14986	

## DIQ240 - Is there one Dr you see for diabetes

**Variable Name:** DIQ240**SAS Label:** Is there one Dr you see for diabetes**English Text:** Is there one doctor or other health professional {you usually see/SP usually sees} for {your/his/her} diabetes? Do not include specialists to whom {you have/SP has} been referred such as diabetes educators, dieticians or foot and eye doctors.**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	1107	1107	
2	No	334	1441	DID260
7	Refused	0	1441	DID260
9	Don't know	2	1443	DID260
.	Missing	13543	14986	



## DID250 - Past year how many times seen doctor

**Variable Name:** DID250

**SAS Label:** Past year how many times seen doctor

**English Text:** How many times {have you/has SP} seen this doctor or other health professional in the past 12 months?

**English Instructions:** ENTER NUMBER OF TIMES.

**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 40	Range of Values	1083	1083	
0	None	19	1102	
7777	Refused	0	1102	
9999	Don't know	5	1107	
.	Missing	13879	14986	

## DID260 - How often check blood for glucose/sugar

**Variable Name:** DID260

**SAS Label:** How often check blood for glucose/sugar

**English Text:** How often {do you check your/does SP check his/her} blood for glucose or sugar? Include times when checked by a family member or friend, but do not include times when checked by a doctor or other health professional.

**English Instructions:** INTERVIEW INSTRUCTION: DO NOT INCLUDE URINE TESTS. CAPI INSTRUCTION: SOFT EDIT 7 OR MORE PER DAY, 30 OR MORE PER WEEK. ENTER NUMBER OF TIMES.

**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 50	Range of Values	1135	1135	
0	Never	300	1435	
777	Refused	2	1437	
999	Don't know	3	1440	
.	Missing	13546	14986	

## DIQ260U - Unit of measure (day/week/month/year)

**Variable Name:** DIQ260U**SAS Label:** Unit of measure (day/week/month/year)**English Text:** How often {do you check your/does SP check his/her} blood for glucose or sugar? Include times when checked by a family member or friend, but do not include times when checked by a doctor or other health professional.**English Instructions:** ENTER UNIT.**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Per day	708	708	
2	Per week	268	976	
3	Per month	116	1092	
4	Per year	43	1135	
.	Missing	13851	14986	

## DIQ275 - Past year Dr checked for A1C

**Variable Name:** DIQ275**SAS Label:** Past year Dr checked for A1C

**English Text:** Glycosylated (GLY-KOH-SIH-LAY-TED) hemoglobin or the "A one C" test measures your average level of blood sugar for the past 3 months, and usually ranges between 5.0 and 13.9. During the past 12 months, has a doctor or other health professional checked {your/SP's} glycosylated hemoglobin or "A one C"?

**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	1221	1221	
2	No	177	1398	DIQ295
7	Refused	0	1398	DIQ295
9	Don't know	45	1443	DIQ295
.	Missing	13543	14986	

## DIQ280 - What was your last A1C level

**Variable Name:** DIQ280

**SAS Label:** What was your last A1C level

**English Text:** What was {your/SP's} last "A one C" level?

**English Instructions:** CAPI INSTRUCTION: SOFT EDIT FOR ANY NUMBER LESS THAN 5 OR MORE THAN 14. ENTER VALUE

**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
2.3 to 16	Range of Values	849	849	
777	Refused	2	851	
999	Don't know	367	1218	
.	Missing	13768	14986	

## DIQ291 - What does Dr say A1C should be

**Variable Name:** DIQ291**SAS Label:** What does Dr say A1C should be**English Text:** What does {your/SP's} doctor or other health professional say {your/his/her} "A one C" level should be? (Pick the lowest level recommended by your health care professional.)**English Instructions:** HAND CARD DIQ3**Target:** Both males and females 1 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Less than 6	428	428	
2	Less than 7	394	822	
3	Less than 8	69	891	
4	Less than 9	7	898	
5	Less than 10	15	913	
6	Provider did not specify goal	162	1075	
77	Refused	2	1077	
99	Don't know	144	1221	
.	Missing	13765	14986	

## DIQ295 - CHECK ITEM

<b>Variable Name:</b>	DIQ295
<b>English Instructions:</b>	BOX 10A. CHECK ITEM DIQ.295: IF AGE <12, GO TO END OF SECTION. OTHERWISE, CONTINUE.
<b>Target:</b>	Both males and females 1 YEARS - 150 YEARS

## DIQ300S - What was your recent SBP

**Variable Name:** DIQ300S

**SAS Label:** What was your recent SBP

**English Text:** Blood pressure is usually given as one number over another. What was {your/ SP's} most recent blood pressure in numbers?

**English Instructions:** ENTER VALUES. CAPI INSTRUCTION: SYSTOLIC SOFT EDIT: 80-200. DIASTOLIC SOFT EDIT: 0-150.

**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
58 to 212	Range of Values	987	987	
7777	Refused	4	991	
9999	Don't know	442	1433	
.	Missing	13553	14986	



## DIQ300D - What was your recent DBP

**Variable Name:** DIQ300D

**SAS Label:** What was your recent DBP

**English Text:** Blood pressure is usually given as one number over another. What was {your/  
SP's} most recent blood pressure in numbers?

**English Instructions:** ENTER VALUES. CAPI INSTRUCTION: SYSTOLIC SOFT EDIT: 80-200.  
DIASTOLIC SOFT EDIT: 0-150.

**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
25 to 190	Range of Values	951	951	
7777	Refused	2	953	
9999	Don't know	480	1433	
.	Missing	13553	14986	

## DID310S - What does Dr say SBP should be

**Variable Name:** DID310S

**SAS Label:** What does Dr say SBP should be

**English Text:** What does {your/SP's} doctor or other health professional say {your/his/her} blood pressure should be?

**English Instructions:** ENTER VALUES. INTERVIEWER INSTRUCTION. IF RANGE GIVEN, RECORD UPPER VALUE OF RANGE. CAPI INSTRUCTION: SYSTOLIC SOFT EDIT: 80-200. DIASTOLIC SOFT EDIT: 0-150.

**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
72 to 180	Range of Values	629	629	
6666	Provider did not specify goal	483	1112	
7777	Refused	4	1116	
9999	Don't know	319	1435	
.	Missing	13551	14986	

## DID310D - What does Dr say DBP should be

**Variable Name:** DID310D

**SAS Label:** What does Dr say DBP should be

**English Text:** What does {your/SP's} doctor or other health professional say {your/his/her} blood pressure should be?

**English Instructions:** ENTER VALUES. INTERVIEWER INSTRUCTION. IF RANGE GIVEN, RECORD UPPER VALUE OF RANGE. CAPI INSTRUCTION: SYSTOLIC SOFT EDIT: 80-200. DIASTOLIC SOFT EDIT: 0-150.

**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
20 to 140	Range of Values	596	596	
6666	Provider did not specify goal	483	1079	
7777	Refused	5	1084	
9999	Don't know	351	1435	
.	Missing	13551	14986	

## DID320 - What was most recent LDL number

**Variable Name:** DID320

**SAS Label:** What was most recent LDL number

**English Text:** One part of total serum cholesterol in {your/SP's} blood is a bad cholesterol, called LDL, which builds up and clogs {your/his/her} arteries. What was {your/his/her} most recent LDL cholesterol number?

**English Instructions:** ENTER VALUE CAPI INSTRUCTION: SOFT EDIT: 40-250.

**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
8 to 340	Range of Values	225	225	
5555	Never heard of LDL	44	269	DID341
6666	Never had cholesterol test	42	311	DID341
7777	Refused	13	324	
9999	Don't know	1110	1434	
.	Missing	13552	14986	

## DID330 - What does Dr say LDL should be

**Variable Name:** DID330

**SAS Label:** What does Dr say LDL should be

**English Text:** What does {your/SP's} doctor or other health professional say {your/his/her} LDL cholesterol should be?

**English Instructions:** ENTER VALUE. INTERVIEWER INSTRUCTION: IF RANGE GIVEN, RECORD UPPER VALUE OF RANGE. CAPI INSTRUCTION: SOFT EDIT: 40-250.

**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
15 to 250	Range of Values	157	157	
6666	Provider did not specify goal	429	586	
7777	Refused	8	594	
9999	Don't know	755	1349	
.	Missing	13637	14986	

## DID341 - Past year times Dr check feet for sores

**Variable Name:** DID341

**SAS Label:** Past year times Dr check feet for sores

**English Text:** During the past 12 months, about how many times has a doctor or other health professional checked {your/SP's} feet for any sores or irritations?

**English Instructions:** ENTER NUMBER OF TIMES.

**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 106	Range of Values	1037	1037	
0	None	381	1418	
7777	Refused	0	1418	
9999	Don't know/not sure	12	1430	
.	Missing	13556	14986	

## DID350 - How often do you check your feet

**Variable Name:** DID350

**SAS Label:** How often do you check your feet

**English Text:** How often {do you check your feet/does SP check (his/her) feet} for sores or irritations? Include times when checked by a family member or friend, but do not include times when checked by a doctor or other health professional.

**English Instructions:** ENTER NUMBER OF TIMES.

**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 30	Range of Values	1166	1166	
0	None	260	1426	
7777	Refused	0	1426	
9999	Don't know	4	1430	
.	Missing	13556	14986	

## DIQ350U - Unit of measure (day/week/month/year)

**Variable Name:** DIQ350U**SAS Label:** Unit of measure (day/week/month/year)**English Text:** How often {do you check your feet/does SP check (his/her) feet} for sores or irritations? Include times when checked by a family member or friend, but do not include times when checked by a doctor or other health professional.**English Instructions:** ENTER UNIT.**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Per day	716	716	
2	Per week	311	1027	
3	Per month	104	1131	
4	Per year	35	1166	
.	Missing	13820	14986	



## DIQ360 - Last time had pupils dilated for exam

**Variable Name:** DIQ360**SAS Label:** Last time had pupils dilated for exam**English Text:** When was the last time {you/SP} had an eye exam in which the pupils were dilated? This would have made {you/SP} temporarily sensitive to bright light.**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Less than 1 month	145	145	
2	1-12 months	814	959	
3	13-24 months	205	1164	
4	Greater than 2 years	172	1336	
5	Never	83	1419	
7	Refused	0	1419	
9	Don't know	15	1434	
.	Missing	13552	14986	

## DIQ080 - Diabetes affected eyes/had retinopathy

**Variable Name:** DIQ080**SAS Label:** Diabetes affected eyes/had retinopathy**English Text:** Has a doctor ever told {you/SP} that diabetes has affected {your/his/her} eyes or that {you/s/he} had retinopathy (ret-in-op-ath-ee)?**Target:** Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	281	281	
2	No	1141	1422	
7	Refused	0	1422	
9	Don't know	12	1434	
.	Missing	13552	14986	