DIABETES – DIQ
Target Group: SPs 1+

DIQ.010 {Other than during pregnancy, {have you/has SP}/(Have you/Has SP}) ever been told by a doctor or other health professional that {you have/(s/he/SP) has} diabetes or sugar diabetes?

CAPI INSTRUCTION:
IF SP AGE >= 12 AND NOT A PROXY INTERVIEW, DISPLAY "HAVE YOU" AND "YOU HAVE"
IF SP AGE >= 12 AND PROXY INTERVIEW, DISPLAY "HAS {SP}" AND "S/HE HAS"
IF SP AGE <12, DISPLAY "HAVE YOU" AND "{SP} HAS"
IF SP IS FEMALE AND AGE >= 20, DISPLAY "OTHER THAN DURING PREGNANCY, {HAVE YOU/HAS SP}"
IF ITEM CHANGES, CHECK MEC COMPONENT.

YES................................................................  1
NO ...................................................................... 2 (BOX 4)
BORDERLINE OR PREDIABETES ..................... 3 (BOX 4)
REFUSED........................................................ 7 (BOX 4)
DON'T KNOW................................................. 9 (BOX 4)

DIQ.040 How old {was SP/were you} when a doctor or other health professional first told {you/him/her} that {you/s/he} had diabetes or sugar diabetes?

CAPI INSTRUCTION:
IF SP AGE >= 12 AND NOT A PROXY INTERVIEW, DISPLAY "WERE YOU" AND "YOU" AND "YOU"
IF SP AGE >= 12 AND PROXY INTERVIEW, DISPLAY "WAS {SP}" AND "HIM/HER" AND "S/HE"
IF SP AGE <12, DISPLAY "WAS {SP}" AND "YOU" AND "S/HE"
IF ITEM CHANGES, CHECK MEC COMPONENT.

|___|
ENTER AGE IN YEARS ......................... 1
LESS THAN 1 YEAR............................ 2 (BOX 4)
REFUSED........................................... 7 (BOX 4)
DON'T KNOW.................................... 9 (BOX 4)

|___|___|
ENTER AGE IN YEARS

REFUSED.................................................77777
DON'T KNOW.........................................99999

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.
DIQ.160 {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?

HAND CARD DIQ1

YES............................................................. 1
NO ............................................................ 2
REFUSED.................................................. 7
DON'T KNOW.......................................... 9

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.

DIQ.180 {Have you/Has SP} had a blood test for high blood sugar or diabetes within the past three years?

INTERVIEWER INSTRUCTION: DO NOT INCLUDE URINE TESTS

YES............................................................. 1 (BOX 0)
NO ............................................................ 2 (BOX 0)
REFUSED.................................................. 7 (BOX 0)
DON'T KNOW.......................................... 9 (BOX 0)

DIQ.050 Insulin can be taken by shot or pump. {Is SP/Are you} now taking insulin?

CAPI INSTRUCTION:
IF ITEM CHANGES, CHECK MEC COMPONENT.

YES............................................................. 1
NO ............................................................ 2 (BOX 0)
REFUSED.................................................. 7 (BOX 0)
DON'T KNOW.......................................... 9 (BOX 0)

HELP SCREEN:
Insulin: A chemical used in the treatment of diabetes. Typically, insulin is administered with a syringe by the patient.
For how long {have you/has SP} been taking insulin?

|___|
ENTER NUMBER (OF MONTHS OR YEARS)  1
LESS THAN 1 MONTH............................  2 (BOX 0)
REFUSED.........................................  7 (BOX 0)
DON'T KNOW....................................  9 (BOX 0)

|___|___|___|
ENTER NUMBER (OF MONTHS OR YEARS)
REFUSED.........................................  77777 (BOX 0)
DON'T KNOW....................................  99999 (BOX 0)

ENTER UNIT

|___|
MONTHS...........................................  1
YEARS.............................................  2

HELP SCREEN:
Insulin: A chemical used in the treatment of diabetes. Typically, insulin is administered with a syringe by the patient.

CHECK ITEM DIQ.065:
IF DIQ.010 = 1 (YES) OR DIQ.160 = 1 (YES) OR DIQ.010 = 3, CONTINUE.
OTHERWISE, GO TO END OF SECTION.

{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.

CAPi INSTRUCTION:
IF ITEM CHANGES, CHECK MEC COMPONENT.

YES..................................................  1
NO ....................................................  2
REFUSED.........................................  7
DON'T KNOW....................................  9

CHECK ITEM DIQ.229:
IF DIQ.010 = 3 OR DIQ.160 = 1 (YES), GO TO END OF SECTION.
OTHERWISE, CONTINUE.
DIQ.230 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.

INTERVIEWER INSTRUCTION: CODE 5 FOR NEVER. IF RESPONDENT ANSWERS “TODAY” OR A PERIOD LESS THAN A MONTH, CODE 1 – 1 YEAR AGO OR LESS.

1 YEAR AGO OR LESS ......................................... 1
MORE THAN 1 YEAR AGO BUT NO
MORE THAN 2 YEARS AGO ......................... 2
MORE THAN 2 YEARS AGO BUT NO
MORE THAN 5 YEARS AGO .................... 3
MORE THAN 5 YEARS AGO ...................... 4
NEVER ................................................... 5
REFUSED ............................................. 7
DON’T KNOW ........................................ 9

HELP SCREEN: A diabetes nurse educator is a nurse who teaches people with diabetes and who is knowledgeable about the day-to-day aspects of diabetes self-care, such as, use of diabetes medications, checking and controlling blood glucose levels, managing weight through diet and physical activity, and maintaining a healthy pregnancy if diabetes is present.

DIQ.240 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.

YES ................................................................ 1
NO ............................................................... 2 (DIQ.260)
REFUSED ..................................................... 7 (DIQ.260)
DON’T KNOW ............................................ 9 (DIQ.260)

HELP SCREEN: A diabetes nurse educator is a nurse who teaches people with diabetes and who is knowledgeable about the day-to-day aspects of diabetes self-care, such as, use of diabetes medications, checking and controlling blood glucose levels, managing weight through diet and physical activity, and maintaining a healthy pregnancy if diabetes is present.

DIQ.250 How many times {have you/has SP} seen this doctor or other health professional in the past 12 months?

ENTER NUMBER ........................................ 1
NONE ......................................................... 2 (DIQ.369)
REFUSED .................................................. 7 (DIQ.369)
DON’T KNOW .......................................... 9 (DIQ.369)

| ___ | ___ | ___ |
ENTER NUMBER OF TIMES

CAPI INSTRUCTION:
HARD EDIT: DO NOT ALLOW 0.
BOX 9

CHECK ITEM DIQ.369:
IF DIQ.250 = 2 (NONE), CONTINUE.
OTHERWISE, GO TO BOX 10.

DIQ.370  INTERVIEWER: YOU HAVE ENTERED “NONE” FOR THE NUMBER OF TIMES IN THE PAST 12 MONTHS THAT THE SP HAS SEEN THEIR USUAL DOCTOR OR OTHER HEALTH PROFESSIONAL. THIS IS AN UNLIKELY RESPONSE. IS THIS CORRECT?

YES........................................................................ 1
NO ................................................................. 2 (DIQ.250)

BOX 10

CHECK ITEM DIQ.379:
IF DIQ.250 = 100 OR MORE, CONTINUE.
OTHERWISE, GO TO DIQ.260.

DIQ.380  INTERVIEWER: YOU HAVE ENTERED A VALUE THAT IS OUTSIDE THE EXPECTED RANGE FOR THE NUMBER OF TIMES IN THE PAST 12 MONTHS THAT THE SP HAS SEEN THEIR USUAL DOCTOR OR OTHER HEALTH PROFESSIONAL. THIS IS AN UNLIKELY RESPONSE. IS THIS CORRECT?

YES........................................................................ 1
NO ................................................................. 2 (DIQ.250)
How often do you check your 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.

INTERVIEWER INSTRUCTION: DO NOT INCLUDE URINE TESTS.

|___|___|___|
ENTER NUMBER OF TIMES

1
NEVER
2 (DIQ.275)
UNABLE TO DO ACTIVITY (BLIND)
3 (DIQ.275)
REFUSED
7 (DIQ.275)
DON'T KNOW
9 (DIQ.275)

ENTER NUMBER OF TIMES

CAPI INSTRUCTION: SOFT EDIT 7 OR MORE PER DAY
SOFT EDIT 30 OR MORE PER WEEK.

REFUSED
7777 (DIQ.275)
DON'T KNOW
9999 (DIQ.275)

ENTER UNIT

|___|___|___|
PER DAY
1
PER WEEK
2
PER MONTH
3
PER YEAR
4

Glycosylated (GLY-CO-SYL-AT-ED) 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 glycosylated hemoglobin or "A one C"?

YES
1
NO
2 (BOX 10A)
REFUSED
7 (BOX 10A)
DON'T KNOW
9 (BOX 10A)

What was your last "A one C" level?

CAPI INSTRUCTION:
SOFT EDIT FOR ANY NUMBER LESS THAN 5 OR MORE THAN 14.

|___|___|___|
ENTER VALUE

REFUSED
7777
DON'T KNOW
9999
DIQ.291  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/his/her) health care professional.)

HAND CARD DIQ2

LESS THAN 6................................................  1
LESS THAN 7................................................  2
LESS THAN 8................................................  3
LESS THAN 9................................................  4
LESS THAN 10..............................................  5
PROVIDER DID NOT SPECIFY GOAL ..........  6
REFUSED......................................................  7
DON’T KNOW...............................................  9

BOX 10A

CHECK ITEM DIQ.295:
IF AGE <12, GO TO END OF SECTION.
OTHERWISE, CONTINUE.

DIQ.300  Blood pressure is usually given as one number over another.  What was (your/SP’s) most recent blood pressure in numbers?

|___|___|___| OVER |___|___|___|
SYSTOLIC  DIASTOLIC
ENTER VALUES

CAPI INSTRUCTION:
DIASTOLIC RANGE: 0-776 SOFT EDIT: 0-150.

REFUSED......................................................  777
DON’T KNOW...............................................  999
What does {your/SP’s} doctor or other health professional say {your/his/her} blood pressure should be?

| ENTER VALUES ........................................... 1 |
| PROVIDER DID NOT SPECIFY GOAL .......... 2 (DIQ.320) |
| REFUSED................................................ 7 (DIQ.320) |
| DON’T KNOW............................................. 9 (DIQ.320) |

<table>
<thead>
<tr>
<th>ENTER VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTOLIC OVER</td>
</tr>
</tbody>
</table>

INTERVIEWER INSTRUCTION:
IF RANGE GIVEN, RECORD UPPER VALUE OF RANGE.

CAPI INSTRUCTION:
DIASTOLIC RANGE: 0-776 SOFT EDIT: 0-150.
REFUSED............................................. 777
DON’T KNOW......................................... 999

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?

| ENTER VALUE .............................................. 1 |
| NEVER HEARD OF LDL ............................... 2 (DIQ.341) |
| NEVER HAD CHOLESTEROL TEST ............ 3 (DIQ.341) |
| REFUSED................................................ 7 |
| DON’T KNOW.......................................... 9 |

| ENTER VALUE |

CAPI INSTRUCTION:
RANGE: 0-776 SOFT EDIT: 40-250.

REFUSED............................................. 777
DON’T KNOW......................................... 999
What does (your/SP’s) doctor or other health professional say (your/his/her) LDL cholesterol should be?

<table>
<thead>
<tr>
<th>ENTER VALUE</th>
<th>PROVIDER DID NOT SPECIFY GOAL</th>
<th>REFUSED</th>
<th>DON'T KNOW</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2 (DIQ.341)</td>
<td>7 (DIQ.341)</td>
<td>9 (DIQ.341)</td>
</tr>
</tbody>
</table>

INTERVIEWER INSTRUCTION:
IF RANGE GIVEN, RECORD UPPER VALUE OF RANGE.

CAPI INSTRUCTION:
RANGE: 0-776 SOFT EDIT: 40-250.

REFUSED | 777
DON'T KNOW | 999

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?

<table>
<thead>
<tr>
<th>ENTER NUMBER OF TIMES</th>
<th>NONE</th>
<th>BOTH FEET AMPUTATED</th>
<th>REFUSED</th>
<th>DON'T KNOW/NOT SURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3 (DIQ.360)</td>
<td>7</td>
<td>9</td>
</tr>
</tbody>
</table>

ENTER NUMBER OF TIMES

CAPI INSTRUCTION:
HARD EDIT: DO NOT ALLOW 0.

REFUSED | 7777
DON'T KNOW/NOT SURE | 9999
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.

|___|
ENTER NUMBER OF TIMES ..................... 1
NONE ............................................. 2 (DIQ.360)
REFUSED..................................... 7 (DIQ.360)
DON'T KNOW.................................... 9 (DIQ.360)

CAPI INSTRUCTION:
HARD EDIT: DO NOT ALLOW 0.

|___|___|
ENTER NUMBER OF TIMES

REFUSED...................................... 7777 (DIQ.360)
DON'T KNOW.................................. 9999 (DIQ.360)

ENTER UNIT

|___|
PEN DAY........................................... 1
PER WEEK....................................... 2
PER MONTH...................................... 3
PER YEAR........................................ 4

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.

LESS THAN 1 MONTH......................... 1
1-12 MONTHS.................................. 2
13-24 MONTHS............................... 3
GREATER THAN 2 YEARS..................... 4
NEVER .......................................... 5
REFUSED...................................... 7
DON'T KNOW................................. 9

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)?

YES............................................... 1
NO .............................................. 2
REFUSED..................................... 7
DON'T KNOW................................. 9

HELP SCREEN:
Retinopathy: Any disorder of the retina.

Diabetes: A glandular disease that impairs the ability of the body to use sugar and causes sugar to appear abnormally in the urine. Common symptoms are persistent thirst and excessive discharge of urine. Do not include
gestational diabetes or diabetes that was only present during pregnancy. Also, do not include self-diagnosed diabetes, pre-diabetes or high sugar.

Doctor: The term refers to both medical doctors (M.D.s) and osteopathic physicians (D.O.s). It includes general practitioners as well as specialists. It does not include persons who do not have an M.D. or D.O. degree, such as dentists, oral surgeons, chiropractors, podiatrists, Christian Science healers, opticians, optometrists, psychologists, etc.

HELP SCREEN FOR DIQ.010/040:

Diabetes: A glandular disease that impairs the ability of the body to use sugar and causes sugar to appear abnormally in the urine. Common symptoms are persistent thirst and excessive discharge of urine. Do not include gestational diabetes or diabetes that was only present during pregnancy. Also, do not include self-diagnosed diabetes, pre-diabetes or high sugar.

Doctor: The term refers to both medical doctors (M.D.s) and osteopathic physicians (D.O.s). It includes general practitioners as well as specialists. It does not include persons who do not have an M.D. or D.O. degree, such as dentists, oral surgeons, chiropractors, podiatrists, Christian Science healers, opticians, optometrists, psychologists, etc.

Other Health (Care) Professional: A person entitled by training and experience and possibly licensure to assist a doctor and who works with one or more medical doctors. Examples include: doctor’s assistants, nurse practitioners, nurses, lab technicians, and technicians who administer shots (e.g., allergy shots). Also include paramedics, medics and physical therapists working with or in a doctor’s office. Do not include: dentists, oral surgeons, chiropractors, chiropodists, podiatrists, naturopaths, Christian Science healers, opticians, optometrists, and psychologists or social workers.