

(affix label here)				
Patient ID Number				
	Site	Sub-site	Sequential ID	

#### SEARCH Health Questionnaire – Young Adult Version (age 18 and older)

• The purpose of this questionnaire is to learn more about young adults who have diabetes.

In the questionnaire, the term "doctor" refers to the doctor or other health care provider, such as a nurse.

#### **CO-MORBIDITIES/COMPLICATIONS**

1. Have you ever bee	n tested for any genes related to diabetes? testgene_heaq			
1 ☐ Yes →	1a. Results:   generslt_heaq			
	1 Don't know genemth_heaq geneyear_heaq         genedknw_heaq         1b. When was the test done?         Month         Year			
	1c. Where was this test done?   genewher_heaq			
2				
2. Has a doctor ever hxhichol_heaq	told you that you have high cholesterol or an abnormal amount of fat in your blood?			
1 ☐ Yes →	2a. If yes, has a doctor ever prescribed medicine for high cholesterol or high fat? hicholme_heag			
	1 Yes 2 No 3 Don't know			
	2b. Are you now taking prescribed medicine for high cholesterol or high fat? hicholnw_heag			
	1 Yes 2 No 3 Don't know			
	2c. Has a doctor ever recommended changes in your diet to lower cholesterol?			
	1 Yes 2 No 3 Don't know			
2 🗖 No				
3 Don't know				

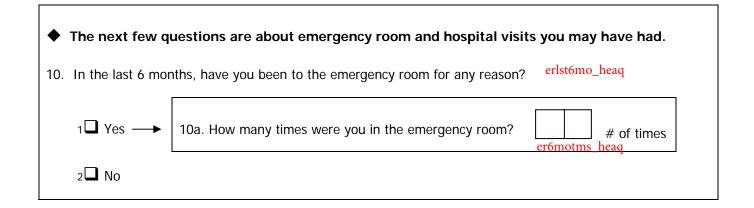
Public reporting burden of this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC Reports Clearance Officer; 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-0904).

3. Has a docto	or ever told you that you have high blood pressure? hxhibldp_heaq
₁□ Yes -	3a. If yes, has a doctor ever prescribed any medicine for high blood pressure? hibpmeds_heaq
	$1 \square Yes \qquad 2 \square No \qquad 3 \square Don't know$
	3b. Are you now taking any medicine for high blood pressure? hibpmdnw_heag
	$1 \bigcirc \text{Yes} \qquad 2 \bigcirc \text{No} \qquad 3 \bigcirc \text{Don't know}$
2 🗖 No	
3 🗖 Don't	t know
4. Has a docto	or ever told you that you had any of the following? (check yes or no for each one)
1 Ves	2 No Addison's Disease hxaddiso_heaq
1 Yes	2 No Asthma hxasthma_heaq
1 Ves	2 No Celiac disease hxceliac_heaq
1 Ves	2 No Hyperthyroidism (high thyroid) hxhypthy_heaq
1 Yes	2 No Hypothyroidism (low thyroid) hxlowthy_heaq
1 Yes	2 No Vitiligo (white skin patches) hxvitili_heaq
5. Has a docto	or said that diabetes has affected your kidneys? hxkidney_heaq
1 Yes	
2 🗖 No	
3 🗖 Don't	t know
6. Has a docto	or said that diabetes has damaged the back of your eyes, that is, the retina? hxretina_heaq
1 Yes	→ 6a. If yes, did this require laser treatment of the retina? hxretlas_heaq
	1 Ves
	2 🗖 No
2 🗖 No	
3 🗖 Don't	t know

7. Have you had any other major illness or medica	al conditions that we have not asked about? hxothril_heaq
$_{1}\Box$ Yes $\longrightarrow$ If yes, please describe:	hxothrsp_heaq
2 🗖 No	

Questions 8 and 9 are for FEMALES only.
8. Have you already had your first period? menstrua_heaq
1 Yes → 8a. If yes, how old were you when you had your first period? menagest_heaq years old
1 Don't know menagedk_heaq
2 🗖 No
3 Don't know
9. Has a doctor ever told you that you have polycystic ovaries (PCO, PCOS)? hxpolyov_heaq
1 Yes
2 🗖 No
3 Don't know

## **MEDICAL HISTORY**



11. In the last 6 mc	onths, have you had one or more night's hospital stay for any reason? holst6mo_heaq
1 <b>□</b> Yes →	11a. How many times were you in the hospital for one or more nights?       # of times ho6motms_heaq
2 🗖 No	
	onths, have you had any severe hypoglycemia, that is, very low blood sugar that required nelp? hypos6mo_heaq
1□ Yes →	12a. How many times? numhypo6_heaq
	12b. How many times were you given an injection of glucagon – for hypoglycemia (low blood sugar)? injhypo6_heaq # of times
	12c. How many times was "911" or life squad/ paramedics called for hypoglycemia? hypo6911_heaq # of times
	12d. How many times did you go to an emergency room for hypoglycemia? hypo6erv_heaq # of times
	12e. How many times did you need to stay overnight at a hospital? hypo6hsp_heaq       # of times
2 🗖 No	
	onths, have you had ketoacidosis (often called DKA, frequently with high blood sugar, nd shortness of breath)? dkalst6m_heaq
1 ☐ Yes →	13a. How many times? numdkal6_heaq # of times
	13b. How many times did this result in an emergency room visit? dkaervl6_heaq    # of times
	13c. How many times did this result in one or more night's hospital stay? dkahspl6_heaq # of times
2 🗖 No	

## **MEDICATION INVENTORY**

Insulin Use
4. Were you ever treated with insulin (shots/pumps) since you were diagnosed? hxinstrt_heaq
1 No (skip to question 20)
2 Yes
5. If yes, when were insulin shots/pump started? instrtst_heaq
1 At diagnosis
2 Less than 1 month after diagnosis
3 Within 1-6 months after diagnosis
4 Within 6-12 months after diagnosis
$_{5}$ 1 year or more after diagnosis
6. Did you ever stop taking insulin? insstopp_heaq
$1 \square$ No (skip to question 20)
2 Yes
7. If yes, did that happen insstpwh_heaq
1 Less than 1 <sup>st</sup> month after diagnosis
2 1-6 months after diagnosis
3 6-12 months after diagnosis
4 ☐ 1 year or more after diagnosis
8. How long were you off insulin? insstplg_heaq
1 Less than 1 month
$2\Box$ 1-6 months
3 - 6-12 months
4 I year or more

19. Did you ever have any episodes of ketoacidosis (DKA) when insul	lin was stopped? <a href="mailto:insstpdk_heaq">insstpdk_heaq</a>
1 Yes	
2 🗖 No	
3 Don't know	
20. How do you currently treat your diabetes? Do you use: (check you	es or no for each)
20a. Diabetes tablets (pills) 1 Yes 2 No	
20b. Insulin shots, pump, or pen 1 Yes 2 No curdmins_heaq	
20c. Diet (meal plan) 1 Yes 2 No	
20d. Exercise 1 Yes 2 No	
20e. Other (what?) → curdmosp_heaq	
21. If you are currently taking insulin, how often do you take insulin <i>currently taking insulin, go to question 24)</i> instimes_heaq	each day on average? (if you are not
1 1 time a day $4$ More than 3 times a day	
2 2 times a day 5 Insulin pump	
3 3 times a day	
22. How do you take insulin? (check all that apply)	
1 22a. With a syringe (needle) insrtsyr_heaq	
2 22b. With an insulin pump insrtpmp_heaq	
3 22c. With an insulin pen insrtpen_heaq	
23. We would like to know the dose of insulin (number of units)	Worksheet
that you took yesterday. <i>(If you use an insulin pump, record the bolus amounts in 23a – 23e, and record the total 24-hour basal dose in 23f. This may require filling out a worksheet of</i>	23a. Breakfast insbrkfs_heaq
hourly basal rates to determine the total basal dose.)	23b. Lunch inslunch_heaq
	23c. Dinner insdinne_heaq
	23d. Bedtime insatbed_heaq
	23e. Other insother_heaq
	23f. Pump .
	Total insulin: instotal_heaq

Prescribed	Medications

24. Are you taking prescribed medication(s) including insulin? takeconmeds\_heaq

1 Yes (If Yes, document up to 10 medications below. If you are taking insulin, be certain to include all types or preparations.)

2 No (if No, skip to question 25)

1.	conmeds0_heaq	-
2.	conmeds1_heaq	_
3.	conmeds2_heaq	_
4.	conmeds3_heaq	_
5.	conmeds4_heaq	-
6.	conmeds5_heaq	-
7.	conmeds6_heaq	-
8.	conmeds7_heaq	-
	conmeds8_heaq	-
9.	conmeds9_heaq	-
10.		-

Diabetes Educat	ion			
The next few questions are about what you have been taught about diabetes.				
25. In the past 12 months have you met with a diabetes nurse or diabetes educator? dmed12mo_heaq 1				
26. In the past 12 mo your diet? nutr12	onths have you met with a dieti	cian or nutritionist, o	r talked to s	someone in detail about
1☐ Yes →	26a. When you were staying more nights in the hosp		2 🗖 No	3 Don't know
	26b. As an outpatient nutrout	p_heaq 1 Yes	2 🗖 No	3 Don't know
2 🗖 No				

27.	In the past 12 months, which of the following types of diabetes information have you received from your doctor's office or health care plan? <i>(check all that apply)</i>
	1 Information about diabetes camp infdmcam_heaq
	1 Information about diabetes support groups infdmsup_heaq
	1 Written materials about diabetes such as pamphlets or newsletters infdmpam_heaq
	1 Videos or audio tapes infdmvid_heaq
	1 Reminder about upcoming appointments apptremi_heaq
	1 A copy or explanation of diabetes laboratory or test results copylabr_heaq
	1 Diabetes information or advice by telephone copylabr_heaq
	1 Diabetes information or advice in person infdminp_heaq
	1 How to get diabetes information on the internet infdmnet_heaq
	1 Information about diabetes research studies other than this study infdmrea_heaq
r	
28	How would you rate your diabetes control: Would you say: pardmcon head

1 Excellent
2 Good
3 Fair
4 Needs much work

Home Diabetes Care	
Here are some questions	about your diabetes care outside of the doctor's office.
this would include spendin	than one home on a regular basis? For example, if your parents are separated g the weekend with your other parent. It would also include other relatives you a regular basis (at least once per month). multhous_heaq
1 <b>□</b> Yes → 29a. If yes	s, do you live in: numbhous_heaq
	2 households
2	3 or more households
3 🗖 1	Don't know
2 No, live in one house	nold

30. How much of selfcare_heaq 1  ☐ None	your own diabetes care do	you do for yourse	elf? Would you say:	(check one response)
2 Less tha	n 25%			
3 25-75%				
4 More that	an 75%			
5 🗖 All <i>(skip</i>	o to question 32)			
	u with your diabetes care? step parent/guardian	1 Yes	2 <b>□</b> No	
helppar	e_heaq	103		
31b. Grandpa helpgra		1 Yes	2 🗖 No	
31c. Brother/ helpsibl		1 Yes	2 🗖 No	
31d. Another helpoth	person e_heaq	1 Yes	2 🗖 No	

est your blood sugar or glucose at home or any place other than the doctor's office?
32a. How often is your blood sugar checked with a glucose meter (glucometer)? <i>(check one)</i> bsoftmeter_heaq
1 Less than once a week
2 Less than once a day
3 1-2 times a day
4 3 times a day
5 4-6 times a day
$_{6}\square$ 7 or more times a day
7 Only when you are sick

1 <b>Y</b> es	
2 No (if no go to 32c)	
32b(1). If yes, how	v do you use the CGM? <a href="bscgmdoc_heaq">bscgmdoc_heaq</a>
1 🗖 1 1	have used it through my doctor's office
	How often have you 1 1 time
	used it?
	bscgmdocnum_heaq 3 Don't know/not sure
2 <b>□</b>   ł	have a CGM for use <u>at home</u> <pre>bscgmhome_heaq</pre>
	How often do you use it?bscgmhomenum_heaq
	1 Rarely (0-19% of the time)
	2 Occasionally (20-39% of the time)
	$3 \square$ About half the time (40-59% of the time
	4 Usually (60-79% of the time)
	5 Most of the time (80-99% of the time)
	6IJ Always (100% of the time) 7❑ Don't know/not sure
	Don't know/not sure
32c. What do you usually do when t	he blood sugar test results are running too high or to
32c(1). Make changes to the dose or other medic	diabetes treatment (insulin 1 Yes 2 Ne rations, diet or exercise <a href="https://www.baseline.com">bshitrta_heaq</a>
32c(2). Call your diabetes do	ctor bshidoct_heaq 1 Yes 2 No
32c(3) Talk to your diabetes	doctor at the next visit $1 \Box$ Yes $2 \Box$ No

Provider	Care					
🔶 These q	◆ These questions are about the doctors or health care providers that you see.					
33. Who do	33. Who do you usually see for your diabetes care? (Check only one response) dmcareso_heaq					
1	Pediatric endocrinologist/diabetc	ologist (diabetes specialist)				
2	Pediatrician					
3	Family practice doctor					
4	Seneral practice doctor					
5	dult endocrinologist/diabetologist (diabetes specialist)					
6	Internist					
7	urse practitioner/physician's assistant					
8	irse diabetes educator					
9	Traditional medicine man, heale	r, or curandero/curandera				
10	Dietician/Nutritionist					
11	Other <i>(specify)</i>	dmcaresp_heaq				
12	Don't know/unsure of what kind	of doctor				
13	None/no source of medical care					

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34. Who do	you usually see for your medical needs not related to diabetes? (Check only one response)
1	Pediatric endocrinologist/diabetologist (diabetes specialist)
2	Pediatrician
3	Family practice doctor
4	General practice doctor
5	Adult endocrinologist/diabetologist (diabetes specialist)
6	Internist
7	Nurse practitioner/physician's assistant
8	Nurse diabetes educator
9	Traditional medicine man, healer, or curandero/curandera
10	Dietician/Nutritionist
11	Other (specify) otcaresp_heaq
12	Don't know/unsure of what kind of doctor
13	None/no source of medical care

•	vides medical vider in the <b>p</b> a	5	(For each provider checked, indicate s.)	the number of visits you had with
35a.	1 Ves	2 🗖 No	Pediatric endocrinologist/ diabetologist (diabetes specialist) carepeen_heaq	# of visits in the peenlas6_head1
35b.	1 Yes	2 🗖 No	Pediatrician carepdi_heaq	# of visits in the last 6 months
35c.	1 Ves	2 🗖 No	Family practice doctor carefamp_heaq	# of visits in the last 6 months
35d.	1 Yes	2 🗖 No	General practice doctor caregenp_heaq	# of visits in the last 6 months genplas6_heaq
35e.	1 Yes	2 🗖 No	Adult endocrinologist/ diabetologist (diabetes specialist) careaden_heaq	# of visits in the last 6 months adenlas6_heaq
35f.	1 Yes	2 🗖 No	Internist careinte_heaq	# of visits in the last 6 months intelas6_heaq
35g.	1 Yes	2 🗖 No	Nurse practitioner/physician's assistant carenppa_heaq	# of visits in the last 6 months carenpa6_heaq
35h.	1 Yes	2 🗖 No	Nurse diabetes educator caredmed_heaq	# of visits in the last 6 months dmedlas6_heaq
35i.	1 Yes	2 🗖 No	Traditional medicine man, healer, or curandero/curandera caretrad_heaq	# of visits in the last 6 months tradlas6_heaq
35j.	1 Yes	2 🗖 No	Dietician carediet_heaq	# of visits in the last 6 months dietlas6_heaq
35k.	1 Ves	2 🗖 No	Eye doctor (optometrist, ophthalmologist) careopto_heaq	# of visits in the last 6 months optolas6_heaq
351.	1 Ves	2 🗖 No	Psychiatrist, psychologist, or mental health counselor carepsyc_heaq	# of visits in the last 6 months psyclas6_heaq
35m.	1 Ves	2 🗖 No	Other careotsp_heaq (specify) careothe_heaq	# of visits in the last 6 months othelas6_heaq

Insurance and Cost of Diabetes Supplies			
36. What kind of health insurance or health care plan do	you have?		
36a. Medicaid/Medicare/State-funded/ other Federal insmedic_heaq	ly-funded	1 Ves	2 🗖 No
36b. Private insurance, through employer inspriem_heaq		1 Yes	2 🗖 No
36c. Private insurance, purchased on your own inspripu_heaq		1 Ves	2 🗖 No
36d. Military insmilit_heaq		1 Yes	2 🗖 No
36e. School-based insurance insschoo_heaq		1 Ves	2 🗖 No
36f. Tribe/Indian Health Service		1 Ves	2 🗖 No
36g. Any other or type unknown insothun_heaq		1 Ves	2 🗖 No
36h. None <i>(if none, go to question 38)</i> insunone_heaq		1 Ves	2 🗖 No
37. Does your health insurance or health care plan pay for	or any of your.	(check yes, no	o or don't know for each one)
37a. Diabetes medicine/insulin inpadmme_heaq	1 Yes	2 🗖 No	3 Don't know
37b. Syringes/pens/needles inpasyri_heaq	1 Yes	2 🗖 No	3 Don't know
37c. Insulin pump and supplies inpainsp_heaq	1 Yes	2 🗖 No	3 Don't know
37d. Home glucose monitor inpaglmo_heaq	1 Yes	2 🗖 No	3 Don't know
37e. Monitor strips and related supplies inpastri_heaq	1 Yes	2 🗖 No	3 Don't know
37f. Diabetes education inpadmed_heaq	1 Yes	2 🗖 No	3 Don't know
37g. Dot applicable inpanota_heaq			
<ol> <li>About how much do you spend, on average, in a typi does not include costs that are covered or later rei mesupamo_heaq</li> </ol>			
1 🗖 \$0 (none)			
2 \$1 - \$19			
3 \$20 - \$49			
4 🔲 \$50 - \$99			
5 🗖 \$100 - \$199			
6□ \$200 or more			
7 Don't know			

39. How satisfied are you with your current insurance coverage? Would you say: insusati_heag
1 Very satisfied
2 Satisfied
3 Somewhat satisfied
4 Not satisfied
<ul> <li>40. Has your main health insurance plan changed in the last 6 months?</li> <li>1 → Yes (if yes, go to question 40a)</li> </ul>
2 No (if no, go to question 41)
3 Don't know
4 Don't want to answer
40a. What were the reasons your health insurance plan changed? (check all that apply)
1 Employer stopped offering this plan insrempl_heaq
1 Doctor left this plan insrdoc_heaq
1 Unhappy with benefits/coverage insrhap_heaq
1 Too difficult to get care insrdiff_heaq
1 Moved insrmove_heaq
1 Change in jobs insrjob_heaq
1 □ Other (specify) → insrotsp_heaq
1 Don't know insrknow_heaq
1 Don't want to answer insrwant_heaq
41. Has your main diabetes provider changed in the last six months? diachange_heaq
1 Yes (if yes, go to question 41a)
${}_{2}\Box$ No (if no, go to question 42)
3 Don't know
4 Don't want to answer

41a.	What were the reasons you had a change in diabetes provider? (check all that apply)		
	1 No longer covered by health plan diacover_heaq		
	1 Too difficult to get care diadiff_heaq		
	1 Not satisfied with care diasatis_heaq		
	1 Moved diamoved_heaq		
	1 Other ( <i>specify</i> )	diaothsp_heaq	
	1 Don't know diaknow_heaq		
	Don't want to answer diaw	/ant_heaq	

These questions deal with your parents' education.
42. What is the highest degree or level of school your mother/guardian has COMPLETED? momedlev_heaq
1 No schooling completed
2 Nursery school to 4 <sup>th</sup> grade
3 5 <sup>th</sup> grade or 6 <sup>th</sup> grade
4 7 <sup>th</sup> grade or 8 <sup>th</sup> grade
5 9 <sup>th</sup> grade
6
7 🗖 11 <sup>th</sup> grade
8 12 <sup>th</sup> grade, NO DIPLOMA
9 High school graduate (high school diploma) or equivalent (for example: GED)
10 Business/technical school
11 Some college credit but less than 1 year
12 1 or more years of college, no degree
13 Associate degree (for example: AA, AS) (2-year)
14 🗖 Bachelor's degree (for example: BA, AB, BS) (4-year)
15 Master's degree (for example: MA, MS, MEng, MEd, MSW)
16 Professional or doctorate degree (for example: MD, DDS, JD, PhD, EdD)
17 Don't know

43. What is the highest degree or level of school your <b>father/guardian</b> has COMPLETED? dadedlev_heag
1 No schooling completed
2 Nursery school to 4 <sup>th</sup> grade
3 5 <sup>th</sup> grade or 6 <sup>th</sup> grade
4 7 <sup>th</sup> grade or 8 <sup>th</sup> grade
5 9 <sup>th</sup> grade
6☐ 10 <sup>th</sup> grade
7 11 <sup>th</sup> grade
8☐ 12 <sup>th</sup> grade, NO DIPLOMA
9 High school graduate (high school diploma) or equivalent (for example: GED)
10 Business/technical school
11 Some college credit but less than 1 year
$_{12}\Box$ 1 or more years of college, no degree
13 Associate degree (for example: AA, AS) (2-year)
14 Bachelor's degree (for example: BA, AB, BS) (4-year)
15 Master's degree (for example: MA, MS, MEng, MEd, MSW)
16 Professional or doctorate degree (for example: MD, DDS, JD, PhD, EdD)
17 Don't know
44. Which of these categories best describes the total income of all persons living in your household, including

44. When of these dategories best describes the total income of an persons ining in your holdschold, including<br/>yourself for the past 12 months? (Check only one category.) partotin\_heaq1Less than \$5,0006\$35,000 through \$49,9992\$5,000 through \$11,9997\$50,000 through \$74,9993\$12,000 through \$15,9998\$75,000 through \$99,9994\$16,000 through \$24,9999\$100,000 and greater5\$25,000 through \$34,99910Don't know11Prefer not to answer

45. How many people are currently living in your household, including yourself?				
45a. Total number of people	parnhous_heaq			
45b. Number of children (less than 18)	parnchil_heaq			
45c. Number of adults	parnadul_heaq			
45c(1). Of the number of adults, how many bring income into the household?				
46. Are you participating in another research study? othstudy_heaq				
1 ☐ Yes 46a. If yes, what stu	idy?			
2 🖵 No				

♦ As a part of the study, we will be contacting you in the future. It would be helpful to us if you could provide us with the names, addresses, and phone numbers of two people who could contact you even if you move.

Name		
Relationship		

Address:			
P.O. Box	Street		Apt. #
City		State	Zip Code
Email Address			

Phone # (best)		
	(area code)	ext.
Phone # (other)		
	(area code)	ext.
Phone # (other)	(area code)	ext.

Name			
Relationship			
Address:			
P.O. Box	Street		Apt. #
City		State	Zip Code
Email Address			
Phone # (best)	(area code)		ext.
Phone # (other)	(area code)		ext.
Phone # (other)			
	(area code)		ext.

# Thank you for completing this questionnaire.

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FOR STUDY USE ONLY					
Date Completed compldat	Month	Day	Year	Completed by complby	
Date Reviewed revwdate	Month	Day	Year	Reviewer Code revwby	
Date Entered enterdat	Month	Day	Year	Data Entry Code enterdat	