



**World Trade Center Health Registry
Wave 5 (Core Surveys: 2020-2022)
Public Use Data Set Codebook**

Key to column headings of codebook

1. Group: The type of question (e.g., Demographic, Eligibility, Exposure, Health and Social Support)
2. Source/Page: The source of the question
 - a. Source: (e.g., Wave 1 survey, Wave 2 survey or Wave 3 survey or Wave 4 survey or Wave 5 survey)
 - b. Page: Either the page of the Wave 1, Wave 2, Wave 3 or Wave 4 or Wave 5 or Data File User's Manual (DFUM) OR noted as "Derived"
 - c. Examples:
 - i. "Wave 1/Derived" means that this question was asked on the Wave 1 survey but we are reporting derived responses instead of the actual response (e.g., reporting the age category instead of the specific age in years)
 - ii. "Wave 2/ pg 33" means that this question was asked on the Wave 2 survey and it may be found on page 33 of the Wave 2 DFUM
 - iii. "Wave 5/ pg 5" means that this question was asked on the Wave 5 survey and it may be found on page 5 of the Wave 5 DFUM
3. Subgroup: The enrollee group targeted by the question (e.g., All, Residents, Rescue/Recovery workers, Female enrollees etc.)
4. Variable Name: SAS variable name
5. Long Question: Description of question
6. Answers: Definitions for survey responses to each particular question (e.g., 1=Male, 2=Female)
7. Note: Any question-specific additional information

Additional Notes

1. (.) represents data that is missing for any reason
2. In the Survey questions, "YOU" refers to enrollee
3. All variables except from the Wave1-4 surveys come from the Wave 5 Core Survey

Group	Source/Page	Subgroup	Variable Name	Long Question	Answers	Note
Demographic Variables	Wave 5 (from question 6, pg. 2)	All Enrollees	gender	What is the enrollee's gender?	1= Male, 2= Female	Gender at Wave 5 interview supplemented by demographic information from enrollees.
Demographic Variables	Wave 1/B-62 (also see wave 2/derived variable census_race, pg. 43)	All Enrollees	census_new	What is the enrollee's combined race/ethnicity?	1= White (non- Hispanic) 3= Black or African American/Hispanic or Latino (any Race) 4= Asian (includes :Native Hawaiian/Pacific Islander), Multiracial or Other	Race/ethnicity is categorized according to methods used in the 2000 U.S. Census. Black/African American & Hispanic/Latino, Asian & multiracial/other are combined.
Demographic Variables	Wave 1/ Derived (also see pg. 3)	All Enrollees	age_911grp	What was the enrollee's age group on 9/11/01?	3= under 45 years 4= 45+ years	Supplemented by all waves and demographic information.
Demographic Variables	Wave 5/ Derived pg. 30	All Enrollees	age_intgrp_w5	Age group at Wave 5 interview	3= under 45 years 4= 45+ years	Supplemented by all waves and demographic information.
Demographic Variables	Wave 1/Derived	All Enrollees	NYCity	Was the enrollee a New York City resident on 9/11/01?	1= Yes, 2= No	
Demographic Variables	Wave 1/Derived (also see Wave 2/Derived variable, education, pg. 43)	All Enrollees	education	What was the highest grade or year of school completed by the enrollee at 9/11/01?	3= Never attended school or under 12 4= Grade 12 or GED 5= Some College 6= College Graduate 7= Postgraduate degree	
Demographic Variables	Wave 1/ Derived (from question D8, pg. B-53)	All Enrollees	employed_911	Was the enrollee employed on 9/11/01?	1=Yes, 2=No	Includes all enrollees older than 12 years on 9/11/01.
Demographic Variables	Wave 5 (from question 12, pg. 3)	All Enrollees	income_w5	What was your total household income in 2019 before taxes?	1= Less than \$25,000 2= \$25,000 to <\$50,000 3= \$50,001 to \$75,000 4= \$75,001 to <\$100,000 5= \$100,000 to <\$150,000 6= \$150,000+	
Demographic Variables	Wave 5 (from question 7, pg. 2)	All Enrollees	marital_w5	What is your current marital status?	1= Married 2= Widowed, divorced or separated 3= Never married	Includes all enrollees aged 18 or older as of Wave 5 Survey interview.
Demographic Variables	Wave 5 (from question 8, pg. 2)	All Enrollees	cohabit_w5	Do you currently live with a partner?	1= Yes, 2= No	Includes all enrollees aged 18 or older as of Wave 5 Survey interview.
Demographic Variables	Wave 5/ Derived (from question 10, pg. 2-3)	All Enrollees	curr_employmentw5	Is the enrollee currently employed?	1=Yes, 2=No	Currently employed is defined as currently employed full time, part time and self-employed.
Demographic Variables	Wave 5/ Derived (weight from Wave 5 question 24, pg. 5 and height from Wave 3 and Wave 4)	All Enrollees	BMI_cat	What is your height and current weight	1=Over 13 to <18.5 Under weight 2=18.5 to <25 Healthy weight 3=25 to <30 Over weight 4=30+ Obese	BMI is derived from height and current weight asked in the surveys
Demographic Variables	Wave 5 (from question 105, pg. 30)	All Enrollees	usermode_w5	Mode of Survey	Paper Web	Includes all enrollees aged 18 or older as of Wave 5 Survey interview.
Eligibility Category	Wave 1/ Derived (also see Wave 2/ Derived occ_trans, students and staff variables, pg. 42)	Present in Lower Manhattan only or Students and School Staff Only	s_s_occ_trans	Did the enrollee report being present south of Chambers Street on 9/11/01 between the time of first plane impact and noon or a student/staff member in a school south of Canal Street on 9/11/01??	1= Yes, 0= No	This includes any enrollee (residents, rescue/recovery workers and volunteers, students, school staff, office workers, commuters, visitors or others) who was present south of Chambers Street on 9/11/01 or Students who were enrolled and school staff who were employed in day care or schools pre K through 12th grade south of Chambers Street on 9/11/01.
Eligibility Category	Wave 1/ Derived (also see Wave 2/Derived resident variable, pg. 42)	Resident of Lower Manhattan	resident_e	Did the enrollee report living south of Canal Street on 9/11/01?	1= Yes, 0= No	Residents may not have been present in lower Manhattan on 9/11/01.

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Eligibility Category	Wave 1/ Derived (also see Wave 2/Derived worker variable, pg. 42)	Rescue/Recovery Workers and Volunteers Only	worker_e	Did the enrollee report working at least one shift or volunteering at a World Trade Center site between 9/11/01 and 6/30/02?	1= Yes, 0= No	These enrollees worked at one or more of the 3 WTC sites: Ground Zero, the Staten Island recovery operation facilities, or the barges. Workers and volunteers may not have been present in lower Manhattan on 9/11/01.
Exposure Variables	Wave 1/ Derived	All Enrollees	any_injury	Did the enrollee sustain at least one injury (excluding eye irritation) as a result of the World Trade Center attack?	1=Yes, 2=No	Injuries included cuts, sprains, burns, broken bones and concussions.
Exposure Variables	Wave 1/ Derived	All Enrollees	witness_count	How many horrific events did the enrollee report witnessing in person on 9/11/01?	1= one or more horrific events 2= no horrific events	Horrific events were: plane(s) hitting the WTC; collapse of building(s); people running away from a cloud of smoke; people injured or killed; and people falling or jumping from the towers.
Exposure Variables	Wave 1/ Derived (also see B-63)	Enrollees Present in Lower Manhattan on 9/11/01	femarating	If the enrollee evacuated a building south of Chambers Street on 9/11/01, how extensive was the damage to the building?	1= N & S Towers or other full/partial collapse 2= Major or Moderate damage 3= WTC unspecified or not in damage or destroyed building	This includes only those who evacuated from a building. N & S Towers represent North and South Towers which are the World Trade Center 1 & 2
Exposure Variables	Wave 1/Derived (from question W7, pg. B-18)	Rescue/Recovery Workers and Volunteers	work_pile	Did the enrollee ever work on the 'Pile' at the World Trade Center site ("Ground Zero")?	1=Yes, 2=No	The 'Pile' refers to the debris left behind by the collapse of the WTC.
Exposure Variables	Wave 2/ pg.B108 33	Residents of Lower Manhattan	m1_leave_f1	During the period of September 11 to September 18, 2001, did you leave your home for at least 24 hours because of the WTC attack?	1=Yes, 2=No	Only asked of residents living in lower Manhattan on 9/11/01.
Exposure Variables	Wave 2/Derived	All Enrollees	dust_intensity	What was the enrollee's dust cloud exposure?	1 = None, 2 = Some, 3 = Intense	"Intense" dust cloud exposure was reporting being in the dust or debris cloud on September 11 in Wave 1 and answering "Yes" to any of the 5 additional Wave 2 questions (could not see a couple of feet in front of me; had trouble walking or finding my way because the dust was thick; had to find shelter such as under a car or in a doorway; was covered from head to toe with dust or debris; could not hear anything). "Some" was reporting being in the dust or debris cloud on September 11 and reporting a dust cloud location.
Exposure Variables	Wave 2/Derived (from question A2, pg. 34)	Residents of Lower Manhattan	damage_condition	Did the enrollee report damage inside the home after the World Trade Center disaster?	1=Yes, 2=No	Damage is defined as one or more of the following: Broken window(s); Damage to home or furnishings; Debris from the disaster was present. Only asked of residents living in lower Manhattan on 9/11/01.
Exposure Variables	Wave 2/Derived (from question A2, pg. 34)	Residents of Lower Manhattan	dust_condition	How much dust was found in enrollees' homes after the WTC disaster?	1=Heavy coating of dust, 2=Fine coating of dust, 3=No dust	Only asked of residents living in lower Manhattan on 9/11/01.
WAVE 5 CORE SURVEY						
Health Variables	Wave 5 (from question 13, pg. 3)	All Enrollees	sf12_genhlth_w5	In general, would you say that your health is:	1= Excellent, 2= Very Good, 3= Good, 4=Fair/Poor	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 18a, pg. 4)	All Enrollees	sf12_calm_4wks_w5	How much of the time during the past 4 weeks: have you felt calm and peaceful?	2 = All/most of the time 3 = Some of the time 4 = A little/none of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 18c, pg. 4)	All Enrollees	sf12_downhearted_4wks_w5	How much of the time during the past 4 wks: have you felt downhearted/depressed	2 = All/most of the time 3 = Some of the time 4 = A little/none of the time	Reported at Wave 5 Survey

Group	Source/Page	Subgroup	Variable Name	Long Question	Answers	Note
Health Variables	Wave 5 (from question 18b, pg. 4)	All Enrollees	sf12_energy_4wks_w5	How much of the time during the past 4 weeks: did you have a lot of energy?	2 = All/most of the time 3 = Some of the time 4 = A little/none of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 14a, pg. 3)	All Enrollees	sf12_limit_activities_w5	Does your health now limit you in: Moderate activities, such as moving a table, pushing a vacuum cleaner, bowling, or playing golf? If so, how much?	1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 14b, pg. 3)	All Enrollees	sf12_limit_stairs_w5	Does your health now limit you in: Climbing several flights of stairs? If so, how much?	1 = Yes, limited a lot 2 = Yes, limited a little 3 = No, not limited at all	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 16a, pg. 4)	All Enrollees	sf12_mh_accomplish_4wks_w5	During the past 4 wks, how much of the time have you had any of the following problems with your work or other regular daily activities as a result of any emotional problems (such as feeling depressed/anxious?): Accomplished less than you would like	2 = All/most of the time 3 = Some of the time 4 = A little/none of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 16b, pg. 4)	All Enrollees	sf12_mh_careful_4wks_w5	During past 4 wks, how much of the time have you had any of the following problems w/ your work/other regular daily activities as a result of emotional problems (such as feeling depressed/anxious?): Did work/other activities less carefully than usual	2 = All/most of the time 3 = Some of the time 4 = A little/none of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 17, pg. 4)	All Enrollees	sf12_pain_4wks_w5	During the past 4 weeks, how much did pain interfere with your normal work (including both work outside the home and housework)?	1 = Not at all 2 = A little bit 3 = Moderately 4 = Quite a bit/extremely	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 15a, pg. 3)	All Enrollees	sf12_phys_accomplish_4wks_w5	During the past 4 weeks, how much of the time have you had any of the following problems with your work or other regular daily activities as a result of your physical health?: Accomplished less than you would like.	2 = All/most of the time 3 = Some of the time 4 = A little/none of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 15b, pg. 4)	All Enrollees	sf12_phys_limited_4wks_w5	During the past 4 weeks, how much of the time have you had any of the following problems with your work or other regular daily activities as a result of your physical health?: Were limited in the kind of work or other activities	2 = All/most of the time 3 = Some of the time 4 = A little/none of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 19, pg. 4)	All Enrollees	sf12_social_4wks_w5	During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activities (like visiting with friends, relatives, etc.)?	2 = All/most of the time 3 = Some of the time 4 = A little/none of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 20, pg. 5)	All Enrollees	assistive_device_w5	Do you use any assistive devices because of a health condition? Examples include a cane, a wheelchair, an adapted bed, a hearing assistive telephone, and other similar devices	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 28, pg. 5)	All Enrollees	cml_12m_w5	During the last 12 months, have you experienced confusion or memory loss, other than occasionally forgetting the name of someone you recently met?	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 29, pg. 5)	All Enrollees	cml_worse_12m_w5	During the last 12 months, has your confusion or memory loss happened more often or gotten worse?	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 30, pg. 6)	All Enrollees	cml_nochores_12m_w5	During the last 12 months, as a result of confusion or memory loss, how often have you given up day-to-day household activities or chores you used to do, such as cooking, cleaning, taking medications, driving, or paying bills?	1 = Always, usually or sometimes 2 = Rarely or never	Reported at Wave 5 Survey

Group	Source/Page	Subgroup	Variable Name	Long Question	Answers	Note
Health Variables	Wave 5 (from question 31, pg. 6)	All Enrollees	cmI_assistance_w5	As a result of confusion or memory loss, how often do you need assistance with these day-to-day activities?	1 = Always, usually or sometimes 2 = Rarely or never	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 32, pg. 6)	All Enrollees	cmI_get_help_w5	When you need help with these day-to-day activities, how often are you able to get the help that you need?	1 = Always, usually or sometimes 2 = Rarely or never	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 33, pg. 6)	All Enrollees	cmI_interfere_12m_w5	During the last 12 months, how often has confusion or memory loss interfered with your ability to work, volunteer, or engage in social activities outside the home?	1 = Always, usually or sometimes 2 = Rarely or never	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 72, pg. 16)	All Enrollees	cmI_discuss_w5	Have you or anyone else discussed your confusion or memory loss with a health care professional?	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 34, pg. 6)	All Enrollees	dental_last_visit_w5	How long has it been since you last visited a dentist or a dental clinic for any reason? Include visits to dental specialists, such as orthodontists	1 = Within the last 12 months 2 = Over one but under 2 years 3 = 2 or more years or never	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 25, pg. 5)	All Enrollees	phys_active_w5	In general, how physically active are you?	1 = Very active 2 = Somewhat active 3 = Not very active 4 = Not active at all	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 21, pg. 5)	All Enrollees	physIth_w5	Thinking about your physical health, which includes physical illness and injury, for how many days during the last 30 days was your physical health not good?	0= 0 days 1= 1-14 days 2= 15-30 days	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 22, pg. 5)	All Enrollees	mentIth_w5	Thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the last 30 days was your mental health not good?	0= 0 days 1= 1-14 days 2= 15-30 days	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 23, pg. 5)	All Enrollees	poorIth_w5	For how many days did poor physical or mental health keep you from doing your usual activities during the last 30 days?	0= 0 days 1= 1-14 days 2= 15-30 days	Reported at Wave 5 Survey
Health Variables	Wave 5/ Derived (from question 21, pg. 5)	All Enrollees	physIth_YorN_W5	Thinking about your physical health, which includes physical illness and injury, during the last 30 days was your physical health not good?	1= Yes, 2= No,	Reported at Wave 5 Survey
Health Variables	Wave 5/ Derived (from question 22, pg. 5)	All Enrollees	mentIth_YorN_W5	Thinking about your mental health, which includes stress, depression, and problems with emotions, during the last 30 days was your mental health not good?	1= Yes, 2= No,	Reported at Wave 5 Survey
Health Variables	Wave 5/ Derived (from question 23, pg. 5)	All Enrollees	poorIth_YorN_W5	Did poor physical or mental health keep you from doing your usual activities during the last 30 days?	1= Yes, 2= No,	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 35a1, pg. 6)	All Enrollees	brthless_noflu_30d_w5	In the last 30 days, have you experienced this symptom when you did not have a cold, the flu, or seasonal allergies?: Shortness of breath	1= Yes, 2= No,	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 35a3, pg. 6)	All Enrollees	brthless_noflu_30d_awake_w5	In the last 30 days, have you been awakened during the night by this symptom when you did not have a cold, the flu, or seasonal allergies?: Shortness of breath	1= Yes, 2= No,	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 35c1, pg. 7)	All Enrollees	cough_noflu_30d_w5	In the last 30 days, have you experienced this symptom when you did not have a cold, the flu, or seasonal allergies? Persistent cough	1= Yes, 2= No,	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 35c3, pg. 7)	All Enrollees	cough_noflu_30d_awake_w5	In the last 30 days, have you been awakened during the night by this symptom when you did not have a cold, the flu, or seasonal allergies?: Persistent cough	1= Yes, 2= No,	Reported at Wave 5 Survey

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Health Variables	Wave 5 (from question 35b1, pg. 6)	All Enrollees	wheeze_noflu_30d_w5	In the last 30 days, have you experienced this symptom when you did not have a cold, the flu, or seasonal allergies?: Wheezing	1= Yes, 2= No,	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 35b3, pg. 6)	All Enrollees	wheeze_noflu_30d_awake_w5	In the last 30 days, have you been awakened during the night by this symptom when you did not have a cold, the flu, or seasonal allergies?: Wheezing	1= Yes, 2= No,	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 36, pg. 7)	All Enrollees	inhaler_30d_w5	In the last 30 days, have you used a prescription inhaler for any breathing problem?	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 37, pg. 7)	All Enrollees	htburn_12m_freq_w5	During the last 12 months, on average, how often have you experienced heartburn or acid reflux?	1= Never; 2=Less than once a month; 3= About once a month; 4= About once a week; 5= At least twice a week	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 38, pg. 7)	All Enrollees	htburn_30d_meds_w5	In the last 30 days, have you taken any medications for heartburn or acid reflux?	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39a, pg. 7)	All Enrollees	hypertension_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Hypertension or high blood pressure	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39b, pg. 7)	All Enrollees	cholesterol_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: High cholesterol	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39c, pg. 7)	All Enrollees	angina_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Angina, or angina pectoris	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39d, pg. 8)	All Enrollees	heart_attack_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Heart attack, or myocardial infarction	1= Yes, 2= No	A heart attack may be called myocardial infraction.
Health Variables	Wave 5 (from question 39e, pg. 8)	All Enrollees	chd_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Coronary heart disease	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39f, pg. 8)	All Enrollees	stroke_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Stroke	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39g, pg. 8)	All Enrollees	diabetes_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Type 2 diabetes, or sugar diabetes	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39h, pg. 8)	All Enrollees	chbronch_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Chronic bronchitis	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39i, pg. 8)	All Enrollees	emphys_copd_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Emphysema, or COPD	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39j, pg. 8)	All Enrollees	rads_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Reactive airways dysfunction syndrome, or RADS	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39m, pg. 9)	All Enrollees	chsinitis_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Chronic sinusitis	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39o, pg. 9)	All Enrollees	sleep_apnea_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Sleep apnea, or obstructive sleep apnea	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39p, pg. 9)	All Enrollees	gerd_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Gastroesophageal reflux disease, or GERD	1= Yes, 2= No	Reported at Wave 5 Survey

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Health Variables	Wave 5 (from question 39q, pg. 10)	All Enrollees	thyroid_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Thyroid disease	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39r, pg. 10)	All Enrollees	periph_neurop_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Peripheral neuropathy	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39t, pg. 10)	All Enrollees	hearing_loss_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Hearing loss	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39v, pg. 10)	All Enrollees	gum_disease_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Periodontal disease or gum disease	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39w, pg. 10)	All Enrollees	chpain_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Chronic pain	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 39bb, pg. 11)	All Enrollees	other_dis_w5	Have you ever been told by a doctor or other health professional that you had any of the following conditions?: Other disease	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 40, pg. 12)	All Enrollees	asthma_w5	Have you ever been told by a doctor or other health professional that you had asthma?	1= Yes, 2= No,	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 59, pg. 14)	Male Enrollees	psa_test_12m_w5	(If male) In the last 12 months, did you have a PSA test? A PSA test is a blood test to detect prostate cancer. It is also called a prostate-specific antigen test	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 57, pg. 14)	Female Enrollees	mammogram_12m_w5	(If female) In the last 12 months, did you have a mammogram? MAMMOGRAM_12M_W5	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 49, pg. 12)	All Enrollees	autoimm_w5	Have you ever been told by a doctor or other health professional that you had an autoimmune disease?	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 67, pg. 15)	All Enrollees	health_insurance_w5	Do you currently have any health insurance? Include private health insurance, HMO, managed care, or a government plan such as Medicare or Medicaid.	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 68, pg. 15)	All Enrollees	health_noinsur_12m_w5	During the last 12 months, were you without health insurance at any point?	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 69, pg. 15)	All Enrollees	routine_checkup_w5	About how long has it been since you last visited a doctor for a routine checkup? A routine checkup is a general physical exam, not an exam for a specific injury, illness, or condition	1 = Within the last 12 months 2 = Over one but under 2 years 3 = 2 or more years or never	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 70, pg. 15)	All Enrollees	unmet_need_phys_12m_w5	During the last 12 months, was there ever a time when you needed health care for physical health problems, but were unable to receive it for any reason?	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 71, pg. 15)	All Enrollees	unmet_need_mh_12m_w5	During the last 12 months, was there ever a time when you needed mental health care or counseling, but were unable to receive it for any reason?	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 81a, pg. 20)	All Enrollees	sad_w5	During the last 30 days, about how often did you feel: So sad that nothing could cheer you up?	1 = None of the time 2 = A little of the time 3 = some of the time 4 = Most/all of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 81b, pg. 20)	All Enrollees	nervous_w5	During the last 30 days, about how often did you feel: Nervous?	1 = None of the time 2 = A little of the time 3 = some of the time 4 = Most/all of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 81c, pg. 20)	All Enrollees	restless_w5	During the last 30 days, about how often did you feel: Restless or fidgety?	1 = None of the time 2 = A little of the time 3 = some of the time 4 = Most/all of the time	Reported at Wave 5 Survey

Group	Source/Page	Subgroup	Variable Name	Long Question	Answers	Note
Health Variables	Wave 5 (from question 81d, pg. 20)	All Enrollees	hopeless_w5	During the last 30 days, about how often did you feel: Hopeless?	1 = None of the time 2 = A little of the time 3 = some of the time 4 = Most/all of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 81e, pg. 21)	All Enrollees	lethargic_w5	During the last 30 days, about how often did you feel: That everything was an effort?	1 = None of the time 2 = A little of the time 3 = some of the time 4 = Most/all of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 81f, pg. 21)	All Enrollees	worthless_w5	During the last 30 days, about how often did you feel: Worthless?	1 = None of the time 2 = A little of the time 3 = some of the time 4 = Most/all of the time	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 82a, pg. 21)	All Enrollees	depression_w5	Have you ever been told by a doctor or other health professional that you had any of the following mental health conditions?: Depression	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 82e, pg. 22)	All Enrollees	nerves_w5	Have you ever been told by a doctor or other health professional that you had any of the following mental health conditions?: Other mental health problems, including problems with your nerves or emotions	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 86d, pg. 24)	All Enrollees	family_prob_12m_w5	During the last 12 months, have you experienced any of the following situations?: Serious family problems involving your spouse or partner, child, or parents	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 97a, pg. 27)	All Enrollees	rx_pain_12m_w5	During the last 12 months, has a doctor or other health professional given you a prescription for a pain reliever?	1= Yes, 2= No	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 100a, pg. 28)	All Enrollees	selfeff_try_w5	For each statement, please indicate to what extent it is true or not true about you.: I can always manage to solve difficult problems if I try hard enough.	2 = 'Not at all or hardly true' 3 = 'Moderately true' 4 = 'Exactly true'	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 100b, pg. 28)	All Enrollees	selfeff_want_w5	For each statement, please indicate to what extent it is true or not true about you.: If someone opposes me, I can find the means and ways to get what I want	2 = 'Not at all or hardly true' 3 = 'Moderately true' 4 = 'Exactly true'	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 100c, pg. 28)	All Enrollees	selfeff_accomplish_w5	For each statement, please indicate to what extent it is true or not true about you.: It is easy for me to stick to my aims and accomplish my goals	2 = 'Not at all or hardly true' 3 = 'Moderately true' 4 = 'Exactly true'	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 100d, pg. 29)	All Enrollees	selfeff_efficient_w5	For each statement, please indicate to what extent it is true or not true about you.: I am confident that I could deal efficiently with unexpected events	2 = 'Not at all or hardly true' 3 = 'Moderately true' 4 = 'Exactly true'	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 100e, pg. 29)	All Enrollees	selfeff_resourceful_w5	For each statement, please indicate to what extent it is true or not true about you.: Thanks to my resourcefulness, I know how to handle unforeseen situations	2 = 'Not at all or hardly true' 3 = 'Moderately true' 4 = 'Exactly true'	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 100f, pg. 29)	All Enrollees	selfeff_effort_w5	For each statement, please indicate to what extent it is true or not true about you.: I can solve most problems if I invest the necessary effort.	2 = 'Not at all or hardly true' 3 = 'Moderately true' 4 = 'Exactly true'	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 100g, pg. 29)	All Enrollees	selfeff_coping_w5	For each statement, please indicate to what extent it is true or not true about you.: I can remain calm when facing difficulties because I can rely on my coping abilities	2 = 'Not at all or hardly true' 3 = 'Moderately true' 4 = 'Exactly true'	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 100h, pg. 29)	All Enrollees	selfeff_solutions_w5	For each statement, please indicate to what extent it is true or not true about you.: When I am confronted with a problem, I can usually find several solutions	2 = 'Not at all or hardly true' 3 = 'Moderately true' 4 = 'Exactly true'	Reported at Wave 5 Survey

Group	Source/Page	Subgroup	Variable Name	Long Question	Answers	Note
Health Variables	Wave 5 (from question 100i, pg. 29)	All Enrollees	selfeff_think_w5	For each statement, please indicate to what extent it is true or not true about you.: If I am in trouble, I can usually think of a solution.	2 = 'Not at all or hardly true' 3 = 'Moderately true' 4 = 'Exactly true'	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 100j, pg. 29)	All Enrollees	selfeff_handle_w5	For each statement, please indicate to what extent it is true or not true about you.: No matter what comes my way, I'm usually able to handle it	2 = 'Not at all or hardly true' 3 = 'Moderately true' 4 = 'Exactly true'	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 74, pg. 16)	All Enrollees	wtcprog_services_w5	Have you ever received services from any of the World Trade Center Health Program clinics listed below? (See list in survey instrument.)	1= Yes, 2 = No, 3 = Don't know	Reported at Wave 5 Survey
Health Variables	Wave 5 (from question 76, pg. 16)	All Enrollees	wtchp_need_care_w5	Was there ever a time when you needed mental health care or counseling but were unable to receive it through the WTCHP for any reason?	1 = Yes, 2 = No, 3 = N/A, did not seek care	Reported at Wave 5 Survey
Social Support	Wave 5 (from question 101a, pg. 29)	All Enrollees	socsupp_doctor_w5	How often is someone available: To take you to the doctor if you need to go?	1= None of the time; 2= A little of the time; 3= Some of the time; 4= Most of the time; 5= All of the time	Reported at Wave 5 Survey
Social Support	Wave 5 (from question 101b, pg. 29)	All Enrollees	socsupp_goodtime_w5	How often is someone available: To have a good time with?	1= None of the time; 2= A little of the time; 3= Some of the time; 4= Most of the time; 5= All of the time	Reported at Wave 5 Survey
Social Support	Wave 5 (from question 101c, pg. 29)	All Enrollees	socsupp_hug_w5	How often is someone available: To hug you?	1= None of the time; 2= A little of the time; 3= Some of the time; 4= Most of the time; 5= All of the time	Reported at Wave 5 Survey
Social Support	Wave 5 (from question 101d, pg. 30)	All Enrollees	socsupp_meals_w5	How often is someone available: To prepare your meals if you are unable to do it yourself?	1= None of the time; 2= A little of the time; 3= Some of the time; 4= Most of the time; 5= All of the time	Reported at Wave 5 Survey
Social Support	Wave 5 (from question 101e, pg. 30)	All Enrollees	socsupp_probs_w5	How often is someone available: To understand your problems?	1= None of the time; 2= A little of the time; 3= Some of the time; 4= Most of the time; 5= All of the time	Reported at Wave 5 Survey
Social Support	Wave 5 (from question 102, pg. 30)	All Enrollees	socsupp_comm_w5	In the last 30 days, have you visited, talked, or emailed with friends at least twice?	1= Yes, 2=No	Reported at Wave 5 Survey
Social Support	Wave 5 (from question 103, pg. 30)	All Enrollees	socsupp_religious_w5	In the last 30 days, have you attended a religious service at least twice?	1= Yes, 2=No	Reported at Wave 5 Survey
Social Support	Wave 5 (from question 104, pg. 30)	All Enrollees	socsupp_club_w5	In the last 30 days, have you been actively involved in a volunteer organization or club?	1= Yes, 2=No	Reported at Wave 5 Survey