Attachment G Survey

Form Approved OMB No. 0920-1173 Exp. Date 03/31/2020
Date: MM/DD/YYYY
Staff administering questionnaire:
Participant name:
Participant ID #:
This project is conducted by the Centers for Disease Control and Prevention and the United States Geological Survey with help from the health department. You do not have to answer any question you do not want to and you can end the interview at any time. Any information you give me will be confidential. If you have any questions about the survey, please call the project coordinator, <name contact="" of="" person=""> at (XXXX) XXX-XXXXX.</name>
Do you have any questions for me before we begin?
We'll start with some demographic questions.
1. What is your sex? (M, F, Other: (please describe))
2. What is your DOB: (MM/DD/YYYY)

3.	Which one of these groups would you say best represents your race? (can select more than one) ☐White
	□Black or African American
	□Asian
	□Native Hawaiian or Other Pacific Islander
	□American Indian or Alaska Native
	☐Other: (Don't read this; only check if the respondent states something that is not on the list. Record the response here)
4.	
	□Don't know (Don't read this)
	□Refused (Don't read this)
5.	For confirmational purposes, what is your address?
	Street
	City, State, Zip
6.	How long have you lived at this address? Years
	IF <1yr What was your previous address?
	Street
	City, State, Zip
	· · · · · · · · · · · · · · · · · · ·
	For about how long did you live there?Years
7.	Have you ever served in the U.S. Armed Forces, military reserves, or National Guard? (Yes, No, Don't know, Refused
	IF VEC.
	IF YES: Where did you serve?
	where did you serve:
	Were you injured while serving? (Yes, No, Don't know, Refused)
	IF YES:

Exposure to Arsenic and Uranium in Private Well Water in Connecticut, New Mexico, and New Hampshire

	Did your injury involve bullets, metal, or shrapnel piercing your skin? (Yes, No, Don't know, Refused) IF YES:
	Were all of the fragments removed? (Yes, No, Don't know, Refused)
8.	About how much do you weigh without shoes? (enter whole number, Don't know, Refused) lbs
9.	And about how tall are you without shoes? (enter feet & inches, Don't know, Refused)ftin
<u>Th</u>	e following questions are about the home you live in.
10	Do you own or rent your home? □Own □Rent □Other arrangement □Don't know □Refused
	Home is defined as the place where you live most of the time/the majority of the year. Rents or Owns Home: A person <u>rents</u> the home if s/he pays on a continuing basis without gaining any rights to ownership. A person <u>owns</u> the home even if s/he is still paying on a mortgage. Another arrangement might be one where someone is staying with friends or family without paying rent or at a group home.
PR	POBE: We ask this question in order to compare biomonitoring results among people with different housing situations.
11	Do you use a private well as your primary source of: Drinking water? (Yes, No, Don't know, Refused) Cooking water? (Yes, No, Don't know, Refused) Showering/bathing water? (Yes, No, Don't know, Refused)
	A private well is a private or small community system for access to ground water. This means you are not "on" public or city water. You may have a private well that gives water to just your home or you may share a private well with a couple of other homes.
	IF NO (ask all that apply): What do you use as your primary source of:
	Drinking water? (free text) Cooking water? (free text) Showering/bathing water? (free text)

12. What kind of private well is it? □Dug

	Driven
	Drilled/artesian
	Don't know
	Refused
	Not applicable—on public water supply
pr pt	dug well is about 10-30 feet deep and it is typically dug by shovel or backhoe and lined with hard materials to revent collapse. A <u>driven well</u> is about 30-50 feet deep and a special hammer or hydraulic equipment is used to ush into the ground and withdraw water. A <u>drilled well</u> is the deepest of the three types (about 100-400 feet eep) and uses a metal or plastic pipe. A <u>drilled well</u> is sometimes called an artesian well.
13. Have y	ou ever tested your water before? (Yes, No, Don't know, Refused)
IF	NO
Sk	rip to Q22
IF	YES
Pl	ease tell me what you remember about your water test results. (free text)
_	
14. Have y	ou tested your water within the past three years? (Yes, No, Don't know, Refused)
15. Do you	have a water treatment system installed? (Yes, No, Don't know, Refused)
IF YES	
W	/hat type of system? Is it:
	Whole house/point-of-entry or
	Point-of-use
	Don't know
	Refuse
	ble house/point-of-entry system treats the water as it enters the home. A point-of-use system treats the water point of consumption, such as at the kitchen sink, shower head, or refrigerator.
What	is the purpose of the system you installed? (check all that apply)
	Make the water taste better
	Remove germs
	Remove contaminants
<u></u>	Other

(Skip if Q15 = NO, DK, or REFUSED)

Exposure to Arsenic and Uranium in Private Well Water in Connecticut, New Mexico, and New Hampshire

Have you tested your water since the treatment system was installed? (Yes, No, Don't know, Refused)

16. In the past 7 days, were any chemical products used in your home to control fleas, rodents, ants, termites, or other insects? (Yes, No, Don't know, Refused)
IF YES
Please list them
17. In the past 7 days , were any chemical products used in your lawn or garden to kill weeds or plants? (Yes, No, Don know, Refused) IF YES
Please list them
The following questions are about your occupation.
18. Do you usually work 35 hours or more per week in total at all jobs or businesses? (Yes, No, Don't know, Refused)
IF YES
Do you come into contact with arsenic at your current job? (Yes, No, Don't know, Refused)
Do you come into contact with uranium at your current job? (Yes, No, Don't know, Refused)
IF NO
What is the main reason you do not usually work 35 hours or more per week? □Homemaker
☐ Taking care of house or family
☐Going to school
□Retired
☐Unable to work for health reasons
☐On layoff
□Disabled
□Other
□Don't know
□Refused
19. If you currently work, do you work from home? (Yes, No, Don't know, Refused, N/A) IF YES
How many hours per week?hours
20. I am now going to read a list of occupations. Please let me know if you EVER worked in the following jobs:
In a mine (Yes, No, Don't know, Refused)
In a quarry (Yes, No. Don't know, Refused)

Exposure to Arsenic and Uranium in Private Well Water in Connecticut, New Mexico, and New Hampshire

Hampshire
In the smelting industry (extracting metal from its ore by heating and melting) (Yes, No, Don't know, Refused)
In construction or remodeling (Yes, No, Don't know, Refused)
In electronic manufacturing (Yes, No, Don't know, Refused)
Recycling electronics or batteries (Yes, No, Don't know, Refused)
Manufacturing pressure-treated wood (Yes, No, Don't know, Refused)
Manufacturing glass (Yes, No, Don't know, Refused)
Incinerating waste (Yes, No, Don't know, Refused)
Burning coal (Yes, No, Don't know, Refused)
Producing concrete (Yes, No, Don't know, Refused)
In an industrial plant (a site where products are manufactured or processed)
(Yes, No, Don't know, Refused)
In a chemistry lab (Yes, No, Don't know, Refused)
In landscaping, especially as a pesticide or herbicide applicator (Yes, No,
Don't know, Refused)
In an orchard (Yes, No, Don't know, Refused)
In a job that manufactured or used poultry feed (Yes, No, Don't know,
refused)
Near active volcanoes (Yes, No, Don't know, Refused)
As a professional or volunteer firefighter (Yes, No, Don't know, Refused)
As an artist (Yes, No, Don't know, Refused)
In chemical manufacturing (Yes, No, Don't know, Refused)
In a nuclear power plant (Yes, No, Don't know, Refused)
Maintaining or decommissioning uranium-containing sites or weapons (Yes,
No, Don't know, Refused)
With metal weights that contain uranium (such as on gyroscopes or aircraft)
(Yes, No, Don't know, Refused)
With art pigments or glazes that contain arsenic or uranium (Yes, No, Don't
know, Refused)
Prompt: If answer YES to any of the above jobs, ask the following questions for each job:
JOB 1
About how long did you work at <the job=""> or business?years</the>
What kind of work were you doing? (For example: farming, mail clerk, computer specialist).
, ,
JOB 6
JOB 2
About how long did you work at <the job=""> or business?years</the>

What kind of work were you doing? (For example: farming, mail clerk, computer specialist).

JOB 3 About how long did you work at < the job> or business?years	
About how long did you work at <the job=""> or business?years</the>	
What kind of work were you doing? (For example: farming, mail clerk, computer spe	cialist)

The following questions are about your recreational and non-work activities.

21. Do you create artwork or do arts and crafts such as painting, pottery, ceramics, or glassware in your free time? (Yes, No, Don't know, Refused)

IF YES

Do you ever use paints, tints, glazes, or pigments that contain uranium? An example of this is pitchblende. (Yes, No, Don't know, Refused)

Do you ever use paints, tints, glazes, or pigments that contain arsenic? Examples of these include orpiment, Sheele's green, and conichalcite. (Yes, No, Don't know, Refused)

22. Do you have regular contact (defined as 2-3x/wk) with pressure-treated wood, including pallets and railroad ties? (Yes, No, Don't know, Refused)

Pressure treated wood is wood that has been preserved with chemicals. Before 2004, one type of widely-used chemical was arsenic, which caused the wood to have a greenish color. Sometimes you can see slits in the wood where the chemical was injected. Wooden pallets and railroad ties were once treated with arsenic as well.

IF YES

Do you ever work with pressure-treated wood structures that were created before 2004? This means the structure you are working on contains wood that was manufactured in 2003 or is older. (Yes, No, Don't know, Refused)

- 23. Do you have regular contact with any of the following wooden structures: fences, picnic tables, decks, porches, or playground structures? (Yes, No, Don't know, Refused)
- 24. Do you ever work on projects using wooden pallets or railroad ties? (Yes, No, Don't know, Refused)
- 25. Do you regularly participate in outdoor activities where you are in contact with dirt and soil? (Yes, No, Don't know, Refused)

26. Hav	ve you travelled outside the United States during the past 30 days? (Yes, No, Don't know, Refused) IF YES
	What country/countries did you visit?
	,
T l C .	
	ollowing questions are about any dietary supplements, such as vitamins or herbs, you may take. I just want to different difference with the difference of th
<u>I CIIIII</u>	d you that you can refuse to answer any question you don't reer connortable answering.
	ve you used or taken any vitamins, minerals, herbals, or other dietary supplements in the past 30 days? (Yes, , Don't know, Refused)
	Dietary supplements (vitamins/minerals): Dietary supplements are often labeled as "dietary supplements" and are used in addition to foods and beverages. Dietary supplements are not intended to replace food.
	Read only if necessary: Include vitamins, minerals, antacid/calcium supplement products, fiber supplements, amino acids, performance enhancers, herbs, herbal medicine products, and plant extracts used as dietary supplements. Include products that are taken orally or given by injection. Do <u>not</u> include beverages such as tea and skin creams. Meal replacement beverages, weight loss and performance booster drinks, and food bars are considered <u>foods</u> , not dietary supplements.
	IF YES
	What have you taken in the past 30 days?
	□Vitamin A
	□Vitamin B6
	□Vitamin B12
	□Vitamin C (with our without rose hips)
	□Vitamin D (D3)
	□Vitamin E
	□Calcium
	□Chromium (chromium picolinate)
	□Creatine
	☐Fish Oil
	□Folate (folic acid)
	□Iron (ferrous oxalate)
	□Magnesium
	☐Multi-vitamin
	□Potassium
	□Selenium
	\Box Zinc (zinc gluconate)
	□Other
	□Don't
	know
	□Refused

28.	. In the last 30 days, have you used any ayurvedic medicines? Ayurvedic medicine is an Indian practice that uses herbs, massage techniques, and special diets to promote health and well-being. (Yes, No, Don't know, Refused)		
	IF YES What types of ayurvedic medicines have you used in the past 30 days? —————		
29.	In the last 30 days, have you taken <u>any</u> prescription medicines (including creams, drops, patches, and shots)? (Yes, No, Don't know, Refused)		
	IF YES		
	I am now going to read a list of medications. These medications may affect the amount of creatinine in your urine, which is something we measure to see how diluted your urine is (in other words, how well hydrated you are). Please let me know if you've taken any of them in the last 30 days. (For each: Yes, No, Don't know, Refused)		
	Phenytoin (<i>Dilantin</i>) (Yes, No, Don't know, Refused)		
	Cephalosporin antibiotics (Yes, No, Don't know, Refused)		
	Captopril (Yes, No, Don't know, Refused) Aminoglycosides (Yes, No, Don't know, Refused)		
	Trimethoprim (<i>Proloprim</i> , <i>Trimpex</i>) (Yes, No, Don't know, Refused)		
	Bactrim (Yes, No, Don't know, Refused)		
	Cimetidine (Tagamet) (Yes, No, Don't know, Refused)		
	Quinine (Yes, No, Don't know, Refused)		
	Quinidine (Yes, No, Don't know, Refused)		
	Procainamide (Yes, No, Don't know, Refused) Amphotericin B (antifungal)		
30.	In the last 30 days, have you had any medicines or medical treatments that are known to contain arsenic? For example, intravenous arsenic trioxide to treat leukemia (acute promyelocytic leukemia) (brand name Trisenox). (Yes No, Don't know, Refused) IF YES		
	For how long have you been taking the arsenic-containing medication? months		
31.	In the last 30 days, have you used any knock-off or imported cosmetics, including skin creams? They may have been sold over the internet. (Yes, No, Don't know, Refused)		

IF YES

Exposure to Arsenic and Uranium in Private Well Water in Connecticut, New Mexico, and New Hampshire

Wha	t is the name of the product(s)?
The followin	g questions are about tobacco and alcohol use.
	y people (not including yourself) who live at home with you smoke cigarettes, e-cigarettes, cigars, pipes, or any other tobacco product? people
IF 1+	
	ng the past 7 days, on how many days did anyone (not including yourself) who lives here smoke tobacco e this home? Do not include smoking on decks, porches, or detached garagesdays
33. Have you know, Ref IF YE	
	t product(s) did you use?
Do yo	ou currently still smoke tobacco products? (Yes, No, Don't know, Refused)
	IF YES During the past 30 days , on how many days did you smoke tobacco products?days
	IF NO
	How long has it been since you quit smoking tobacco products? days, months, years (circle one)
34. Have you IF YE	ever used other tobacco products, such as chewing tobacco or snuff? (Yes, No, Don't know, Refused)
	t product(s) did you use?
Do yo	ou currently still use these tobacco products? (Yes, No, Don't know, Refused)
	IF YES
	During the past 30 days , on how many days did you use these tobacco products?days
	IF NO
	How long has it been since you quit using these tobacco products? days, months, years (circle
one)	
	question is about your contact with smoke in other places. During the last 7 days, did you spend time at friend/family member's home, or in a restaurant, bar, or car while someone else was using cigarettes or

36. Now I am going to ask about your alcohol usage. Do you drink alcoholic beverages? (Yes, No, Don't know, Refused)

tobacco products? (Yes, No, Don't know, Refused)

IF NO

Skip to Q38
IF YES What types of alcoholic beverages do you drink? Did you drink: (answer Yes, No, Don't know, Refused for eacl
Beer (Yes, No, Don't know, Refused)
Wine (Yes, No, Don't know, Refused) Liquor (Yes, No, Don't know, Refused)
Malt beverage other than beer (such as Smirnoff Ice, Twisted Tea Hard Iced Tea)
37. During an average week, how many days per week do you have at least one drink of any alcoholic beverage? 1+ DAYS
On the days when you drink, about how many drinks do you drink on the average? One drink is equivalent to 12-ounce beer, a 5-ounce glass of wine, or a drink with one shot of liquordrinks
The following questions are about the foods you eat and non-alcoholic beverages you drink.
38. I'm going to list some foods. Please say whether you eat these products Often (as in 4 or more times per week), Occasionally (as in 3 or less times per week), or Never. (For each: Often, Occasionally, Never, Don't know, Refused) [Reference sheets for Often, Occasionally, and Never will be given to the participant] White rice: Often, Occasionally, Never, Don't know, Refused Brown rice: Often, Occasionally, Never, Don't know, Refused Rice crackers: Often, Occasionally, Never, Don't know, Refused Rice crackers: Often, Occasionally, Never, Don't know, Refused Rice bread: Often, Occasionally, Never, Don't know, Refused Rice vinegar: Often, Occasionally, Never, Don't know, Refused Rice vinegar: Often, Occasionally, Never, Don't know, Refused Products that contain rice or rice derivatives (such as brown rice syrup in some granola bars, energy bars, and energy gels): Often, Occasionally, Never, Don't know, Refused Rice-based Rice-based
51. On average, how often per week do you eat any type of fish, smelts, shellfish, seafood, or seaweed? Include any foods that have fish, shellfish, or seaweed in them such as sandwiches, soups, salads, sushi, and canned/packaged tuna?times per week
tunaumes per week

Exposure to Arsenic and Uranium in Private Well Water in Connecticut, New Mexico, and New Hampshire

52.	During the past 30 days, did you eat any marine or freshwater fish? (Yes, No, Don't know, Refused) [Provide reference list of marine and freshwater fish if necessary] IF YES
	Was that fish caught locally in NH or just off the coast of NH? (Yes, No, Don't know, Refused) IF YES
	Where was it caught? If possible, please name the location
53.	Now I'm going to list some non-alcoholic beverages. Please say whether you drink these beverages Often (as in 4 or more times per week), Occasionally (as in 3 or less times per week), or Never. (For each: Often, Occasionally, Never, Don't know, Refused) [Reference sheets for Often, Occasionally, and Never will be given to the participant] Apple juice: Often, Occasionally, Never, Don't know, Refused Grape juice: Often, Occasionally, Never, Don't know, Refused Tea (skip pattern): Often, Occasionally, Never, Don't know, Refused Mineral water (This is different from seltzer water. Brands include Perrier and San Pellegrino): Often, Occasionally, Never, Don't know, Refused Rice milk: Often, Occasionally, Never, Don't know, Refused Other rice-based beverages (such as horchata): Often, Occasionally, Never, Don't know, Refused Rice water: Often, Occasionally, Never, Don't know, Refused Skip pattern: You said you drink tea. Do you drink oolong tea? (Yes, No, Don't know, Refused)
	IF YES
	On average, how many cups per day?cups per day (8oz=1c)
54.	This next question is about water. How many cups of water do you drink on average per day? ([Include water from all sources, like the water you use in coffee and tea]? cups per day?
55.	How many cups of <u>tap</u> water do you drink per day? This is water you get from a kitchen sink or water that has been sent from water pipes to a refrigerator dispenser. This is not bottled water cups per day
56.	And of the tap water you drink, how much of it is from your work? cups
	IF 1+
	What town do you work in? (free text, Don't know, Refused)
	Is that public water? (Yes, No, Don't know, Refused)

That was my last question. Everyone's answers will be combined to help us provide information about exposure to arsenic and uranium in this area. Thank you very much for your time and cooperation.