Attachment 4 Chemical Exposure Question Bank

Items from the question bank can be used to develop a survey for each submission.

All forms will display OMB Control Number, Expiration Date, and Public Reporting Burden

Example Script for Environmental and/or Biologic Sampling Events

Sample Introduction for Environmental Investigation:

Hello, my name is {SAY NAME}. We are doing an Exposure Investigation for the Agency for Toxic Substances and Disease Registry, or ATSDR. ATSDR is a sister agency to the Centers for Disease Control and Prevention. As part of the investigation, we will be asking you some common questions like your name and address. We will also ask questions about your contact with chemicals. We are asking these questions to better understand all the data we collect.

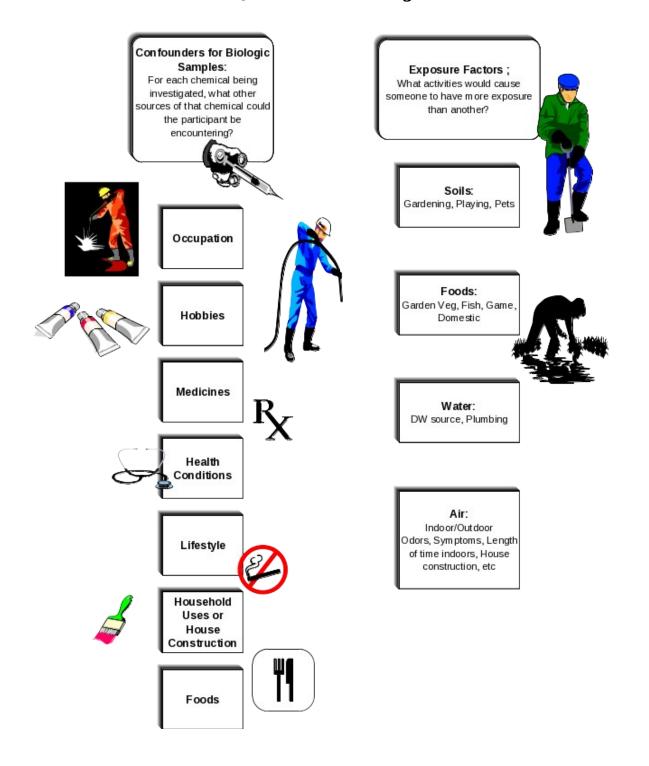
The questions should take less than thirty minutes. After that, we will be offering free $\{FILL\ IN\ TYPE(S)\} = [FOR\ ENVIRONMENTAL-air, soil, water, foods testing]$ Once we are done with this investigation, you will be given a copy and details of -your location or the exposure location test results. Generally, we are able to get results to you within $\{FILL\ IN\ ADJUSTED\ TIME\ FRAME\ OR\ INSERT\ 4-8\ WEEKS\}$.

Sample Introduction for Biologic Investigation:

Hello, my name is {SAY NAME}. We are doing an Exposure Investigation for the Agency for Toxic Substances and Disease Registry, or ATSDR. ATSDR is a sister agency to the Centers for Disease Control and Prevention. As part of the investigation, we will be asking you some common questions like your name and address. We will also ask questions on your contact with chemicals. We are asking these questions to better understand all the data we collect.

The questions should take less than thirty minutes. After that, we will be offering free {FILL IN TYPE(S)} = [FOR BIOLOGIC-blood, urine, hair, nails, other testing for all people who live in your home]. Once we are done with this investigation, you will be given a copy and details of -your and your minor children's (if you have them) test results]. Generally, we are able to get results to you within {FILL IN ADJUSTED TIME FRAME OR INSERT 4 – 8 WEEKS}.

Questionnaire Categories



General Information Questions

Example Script: Now I want to ask you questions about how I can contact you. I may also be asking how long you have lived at or visited certain places. This is needed to find out how long you may have had contact with chemicals and how long it may have lasted. We may also ask your age, race, weight and height, and about your jobs. This is useful to put your test results side by side with others like you to see what is typical.

NOTE: It is recommended that you ask the general questions <u>last</u>.

(Name of Survey Taker HERE :)					
(Investigation ID)		Cost Recovery Numbe hyphenated add on)	r plus auto		
(Participant ID Number)	(May need a drop down if participant has been in a previous investigation)				
(Relationship/Household ID)	(Use some way to connect participants to a location, family name, etc. Choose by keying in one of the following or some other where a drop down list appears to connect people): • First Name/Last Name • Street and #, City, St • Exposure Location (Street. City, St or intersection) • Building • Room				
(Laboratory ID)	(Given by lab. Ma divided into aliquo	y be multiple if sample ots)	e is split or		
NOTE TO SURVEYOR: The following abbreviations and a					
DK-Don't know NA-Not applicable Mm/dd/year-2 digit month, 2 digit day, 4 digit year Ft-feet In-inches (First name of person answering questions for minor child) (Last name of person answering questions for minor child)					
General Information					
First name:					
(if minor child, put child's name here)					
Last name:					
Middle Initial:					
Street Address:					
If this is an apartment, or the address has another defining number or letter, please provide that now:					
City:					
County:					
State:					
Zip Code:					
Do you (or household head) rent or own this property?	Own	Rent	NA		
If your mailing address is different from your street					
address, what is your mailing address?					
City:					
State:					
Zip Code:					
How long have you lived at this address?	Less than 6months	6mos to less than 2yrs	2 to5 yrs		
	6 to 10 yrs	More than10 yrs			
How long have you lived at this address? (Note: use this question if you need a more exact date)		mm/year			

How long have you lived in {Fill in Town,	Less than 6		o less than	2 to 5 yrs
Neighborhood, or City of Interest}?	months		2 yrs	2 to 5 y15
reignborhood, or City of Interest?:	6 to10 yrs	More t	han 10 yrs	
Previous Address Surveyor, ask for previous address if they have lived at curre {6mos, 1 yr} .	ent address less	than a period	you determine	as a cut off.
What was your previous street address:				
City:				
State:				
Zip Code:				
Years at that address?				
Please provide a phone number where we can reach you.	Home:	Work:	Cell:	Other:
Is there an email address where we can reach you? If yes, what is it?	N		Yes:	
* How well do you speak English? (5 years old and older)	Very Well	Well	Not Well	Not at all
* Do you speak a language other than English at home? (5 years old and older)	Y	es		No
* For persons speaking a language other than English (answering yes to the question above), what is the language? (5 years old and older)	Spanish	С	ther Language	(Identify)
What is the occupation of the adults in the household? (Note to surveyor: You may want to ask this question here or with the list of jobs in the confounder section but probably not in both sections)	Airport or Ai Arts & Media Assemblers & Car Repair, M Chemical Ind Child Care W Cleaning hon Construction Crop & Lives Dentist, Dent Detective and Disabled & s Dry Cleaning Fire Fighter Electrician, E Engineering, Equipment O Etcher or Eng Extractive (e. Explosives W Farmworker Fishing & Hu Floor Finisher Food Process Food Service Furniture Fin Grounds Mai Hairdresser, M Health Care W Home Care T Installation, M Jeweler	rcraft Worker A Fabricator Mechanic lustry Worker Mes or offices Stock Product al Hygienist d Criminal Inv tay at home a Worker Clectrical work Sciences & Electrical Graver Graver Graver Graver Graver Hair Stylist & Worker Caker Maintenance & Gest & Conserv Gray & Plasticwo	c (mixer, procession vestigator ker ducation hines, drills) ker /or Cosmetolog Repair Worker vation Worker	sor, researcher)

inese Chinese		Manicurist Mortician and Emi Office Worker Painter Pest Control Work Petroleum worker Photo processing, Physician, Anesth Pilot Police or Sheriff P Printing Worker Retired Roofer Textile, Apparel & Utilities & Transpowelder including s Woodworker	ker photographer nesiologists Patrol Officer & Furnishing Worl ortation Worker	
		Other: List: None		
Demographic Questions Script: The next questions are about your of Surveyor, please indicate whether the personal transfer in the personal transfe	•			
* What is your sex?		M		F
Date of Birth: dd/mm/yr(xxxx)		1V1		Г
Race and Ethnicity				
American Indian or Alaska Native – p		Enter, for exampl of the Blackfeet I Native Village of Government, Nor Maya, etc.	ndian Reservation Barrow Inupiat T	n of Montana, Traditional
Vietnamese Asian Indian	Chinese			
Asian – provide d ls Korean Filipino Japanese				
	for example, Pakis	tani, Hmong, Afgha	nn,	

	African American
Black or African American – provide details	
	Nigerian
	Jamaican
Mexican	Lebanese
Cuban	Ethiopian
Puerto Rican	Enter, for example, Trinidadian and
Hispanic or Lati Dominican	Tobagonian, Ghanaian, Congolese, etc. Haitian
Salvadoran	
Guatemalan	
Enter, for example, Colombian, Hor	onduran,
Spaniardsetfan	
Iranian	Somali
Iraqi Middle Eastern or Norun Airican – provide details	
Egyptian	
Israeli	
Enter, for example, Moroccan, Yemeni,	7
Kurdish, etc.	

Tongan Samoan Samoan Fijian Native Hawaiian or Pacific Islander – provide details Chamorro Marshallese Marshallese Lenglish English Foter, foglitar example, Chuukese, Palauan, Tahitian, ex. German White – provide Polish Irish Scottish Irish Scottish What is your current height? Ft in Myat is your current height? Ft in Scottish Scottish Scottish No yoregian, etc. Seeing, even when wearing glasses? Are you deaf or do you have serious difficulty hearing? Yes No you have serious difficulty concentrating, remembering, or making desisons? Gersa old and older) Do you have serious difficulty wilking or climbing sairs? (5 years old and older) Do you have serious difficulty design or bathing? (5 years old and older) Seeause of a physical, mental, or emotional condition, do you have difficulty dressing or bathing? (5 years old and older) Because of a physical, mental, or emotional condition, do you have difficulty dressing or bathing? (5 years old and older) Because of a physical, mental, or emotional condition, do you have difficulty dressing or bathing? (5 years old and older) Because of a physical, mental, or emotional condition, do you have difficulty dressing or bathing? (5 years old and older) Because of a physical, mental, or emotional condition, do you have difficulty dressing or bathing? (5 years old and older) Because of a physical, mental, or emotional condition, do you have difficulty dressing or bathing? (6 years old and older) Because of a physical, mental, or emotional condition, do you have emot				
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* Are you deaf or do you have serious difficulty hearing? * Are you blind or do you have any serious difficulty seeing, even when wearing glasses? * Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating, remembering, or making decisions? (5 years old and older) * Do you have serious difficulty walking or climbing stairs? (5 years old and older) * Do you have difficulty dressing or bathing? (5 years old and older) * Because of a physical, mental, or emotional condition, do you have difficulty doing errands alone such as visiting a doctor's office or shopping? (15 years old and older) Household Characteristics * Script: The next set of questions is about the number of people in the household and how long you have lived here. How many people live here fulltime since (INSERT TIMEFRAME), including yourself? (# People in Household)	Norwegian, etc.	euisii,	lb	OS .
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seeing, even when wearing glasses? * Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating, remembering, or making decisions? (5 years old and older) * Do you have serious difficulty walking or climbing stairs? (5 years old and older) * Do you have difficulty dressing or bathing? (5 years old and older) * Because of a physical, mental, or emotional condition, do you have difficulty doing errands alone such as visiting a doctor's office or shopping? (15 years old and older) Household Characteristics Script: The next set of questions is about the number of people in the household and how long you have lived here. How many people live here fulltime since (INSERT TIMEFRAME), including yourself? (# People in Household)	* Are you deaf or do you have serious difficulty hearing?		Yes	No
* Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating, remembering, or making decisions? (5 years old and older) * Do you have serious difficulty walking or climbing stairs? (5 years old and older) * Do you have difficulty dressing or bathing? (5 years old and older) * Do you have difficulty dressing or bathing? (5 years old and older) * Because of a physical, mental, or emotional condition, do you have difficulty doing errands alone such as visiting a doctor's office or shopping? (15 years old and older) Household Characteristics Script: The next set of questions is about the number of people in the household and how long you have lived here. How many people live here fulltime since (INSERT TIMEFRAME), including yourself? (# People in Household)			Yes	No
or making decisions? (5 years old and older) * Do you have serious difficulty walking or climbing stairs? (5 years old and older) * Do you have difficulty dressing or bathing? (5 years old and older) * Because of a physical, mental, or emotional condition, do you have difficulty doing errands alone such as visiting a doctor's office or shopping? (15 years old and older) Household Characteristics Script: The next set of questions is about the number of people in the household and how long you have lived here. How many people live here fulltime since (INSERT TIMEFRAME), including yourself? (# People in Household)	* Because of a physical, mental, or emotional condition,			27
* Do you have serious difficulty walking or climbing stairs? (5 years old and older) * Do you have difficulty dressing or bathing? (5 years old and older) * Because of a physical, mental, or emotional condition, do you have difficulty doing errands alone such as visiting a doctor's office or shopping? (15 years old and older) Household Characteristics Script: The next set of questions is about the number of people in the household and how long you have lived here. How many people live here fulltime since (INSERT TIMEFRAME), including yourself? (# People in Household)			Yes	No
* Do you have difficulty dressing or bathing? (5 years old and older) * Because of a physical, mental, or emotional condition, do you have difficulty doing errands alone such as visiting a doctor's office or shopping? (15 years old and older) Household Characteristics Script: The next set of questions is about the number of people in the household and how long you have lived here. How many people live here fulltime since (INSERT TIMEFRAME), including yourself? (# People in Household)	* Do you have serious difficulty walking or climbing		Yes	No
* Because of a physical, mental, or emotional condition, do you have difficulty doing errands alone such as visiting a doctor's office or shopping? (15 years old and older) Household Characteristics Script: The next set of questions is about the number of people in the household and how long you have lived here. How many people live here fulltime since (INSERT TIMEFRAME), including yourself? (# People in Household)	* Do you have difficulty dressing or bathing? (5 years old		Voc	No
do you have difficulty doing errands alone such as visiting a doctor's office or shopping? (15 years old and older) Household Characteristics Script: The next set of questions is about the number of people in the household and how long you have lived here. How many people live here fulltime since (INSERT TIMEFRAME), including yourself? (# People in Household)			165	110
Household Characteristics Script: The next set of questions is about the number of people in the household and how long you have lived here. How many people live here fulltime since (INSERT TIMEFRAME), including yourself? (# People in Household)	do you have difficulty doing errands alone such as visiting		Yes	No
Script: The next set of questions is about the number of people in the household and how long you have lived here. How many people live here fulltime since (INSERT TIMEFRAME), including yourself? (# People in Household)				
TIMEFRAME), including yourself? (# People in Household)		le in the	household and how lo	ng you have lived here.
(# People in Household)				
Are there any children under the age of 18 who live in the household? [if NO skip the next questions] Yes No	Are there any children under the age of 18 who live in the		Yes	No

How many children are between the ages of 0-6 years old?					
How many children are between the ages of 7-12 years old?					
How many children are between the ages of 13-18 years old?					
Do they play or ride bikes in bare soil?	Never Do This	Seldom Do This	Sometii Do Th		
If there are children who regularly (<i>Choose a timeframe: daily/weekly</i>) visit the household, what are the ages of children under 18?					
Please estimate to the nearest hour approximately how	Person 1	Pers	on 2	Person 3	
long each person was present in the home in the last (INSERT TIMEFRAME).	Person 4	Pers	on 5	Person 6	

Exposure Location						
Note to Surveyor: If the potential exposure location is different				, ask the fo	ollow	ing
questions. Also fill in the exposure location by address, long	lat, or some oth	ner w	ay.			
Did the potential exposure take place away from home?	Y	es			N	0
If yes, where? (Building Name)						
(Room Number)						
(Exposure Location- Street Address)						
(Street Address 2 for intersections)						
(City)						
(State)						
(Zip Code)						
How long have you been visiting or going to the (<i>Fill in Location Name</i>)?			mm/	year		
When was the last time you were at the (<i>Fill in Location</i>						
Name)?			mm/d	d/year		
What do you do or were you doing at the (Fill in Location						
<i>Name</i>) exposure location (for example, work, hunt or fish,						
etc.)?						
Exposure Location Information from ATSDR's Rapid Ro	esponse Regist	ry				
At the time of the event on [specify day and time], what						
address were you [was the registrant] at or what was the						
name of the building or intersection closest to you [the						
registrant]?						
Were you [was the registrant] present at [the event site]?	Yes		No	DK		Refused
7 2 31 2	inside a	C	utside	Other		Specify:
	building or			0.000		op comp.
	structure					
	inside a car					
If yes, were you [was the registrant]:	or other					
	vehicle					
	Don't	R	efused			
	Know (DK)					
Did you [the registrant] get an injury or any illness as a	Yes		No	DK		Refused
result of the event?						
If Yes, what illness or injury did you [the registrant] get?				DK		Refused
(List all)						
	Chronic illne	ess	Phys	sical	Oth	ner Disability
Before the event, did you [the registrant] have a:			Disal			J
, , , , ,				fused		
Are you [is the registrant] pregnant? [or "Were you (was	Yes	No		DK		Refused
the registrant) pregnant at the time of the event?"]		0				
5 /1 0 1 3	Medication	s/	Medic	al care		Utilities
	supplies		1.1care			
Are you [is the registrant] in need of:	Food		Shelter		DK	
	Refused					

Indoor Air

Script: These questions will help us determine the possible sources of air pollutants in your household and any symptoms or conditions that would make breathing pollutants more harmful to you.

	- 1	
Time	Inc	UULE

How many hours per day do you spend inside your home in a usual weekday? (24 hours is one day)	Less than 8 hours Between 8 and 14 hours Between 15 and 24 hours
How many hours per day do you spend inside your home in a usual weekend? (24 hours is one day)	Less than 8 hours Between 8 and 14 hours Between 15 and 24 hours
How many fewer hours do you spend indoors during the warmer months? (How much additional time are you outside)? How many hours per day did you spend inside the home	Same Between 1 and 3 more hours 4 or more hours
[INSERT TIMFRAME]? (24 hours is one day)	
How many hours per day did you spend away from home [INSERT TIMFRAME]? (24 hours is one day)?	
Did you leave you window open [add timeframe]?	

Confounders and Other Sources

Script: These questions relate to other things that may trigger symptoms similar to air pollutants.

Note to surveyor: Confounders to symptoms are listed here. Chemical specific confounders are listed under the chemical you are investigating.

Are there any smokers in the household (not including you) [if 'no' skip]?	Yes No					
Do you currently smoke?	Yes		N	o Refused		
If you smoke, how long ago did you smoke your last cigarette?						
[If there are any smokers in the house] How many people smoke?						
How many cigarettes per day are usually smoked anywhere inside the home by anyone? (20 in a pack)	none	1-5	6-	10	11-20	>20
How many cigars per day are usually smoked anywhere inside the home by anyone?	None 1		>1			
In the last three days, did {you/she/he} spend 10 or more minutes near a person who was smoking a cigarette, cigar, or pipe?	Yes No		DK			
How many pipes per day are usually smoked anywhere inside the home by anyone?	Non	e	1	L		>1
Do you have any pets?		Yes			No	
		Dog			Cat	
What types of indoor pets do you have in your home?	Rodents: hamster, mice, rat, gerbil, guinea pig			Rabbit		
	Ferret Other: list				ist	
Fuels Used Indoors						

Do you use any of the following in your home?	Natural gas used for heating
	Natural gas used for cooking
	Propane gas used for heating
	Propane gas used for cooking
	Kerosene
	Coal used for heating
	Coal used for cooking
	Wood Burning Stove used for heating
	Wood Burning Fireplace used for heating

	Wood Burning Fireplace used for cooking
	Gasoline
	Solar
	Artificial Logs (disposable store bought e.g.,
	Duraflame)
	None
	If 'none' skip next two questions.
During which month do you (or does the building) usually	Start Month: Jan Feb March April May June July
start using those fuels?	August Sept Oct Nov Dec
During which month do you usually (or the building) stop	Stop Month: Jan Feb March April May June July
using those fuels?	August Sept Oct Nov Dec

using those fuels?	August Sept Oct N	Nov Dec		
Symptoms/Conditions				
Script: Individuals with certain conditions may be more sen	sitive to the effects of o	chemicals. I woul	d like to ask you	
questions about your health.	Vac	N.	DV	
Is anyone in the household pregnant?	Yes	No 4.6	DK	
If yes, in what month of pregnancy? Adults	0-3	4-6	7-9	
Have you <i>or any other adult household members</i> ever				
been told by a health <i>care</i> professional that <i>you/they</i> have				
a chronic heart or lung conditions, such as coronary artery	Yes	No	Refused	
disease, <i>angina</i> (<i>pain</i> in the heart), asthma, or	165	110	Refused	
emphysema? [if 'no' go to the next section]				
Do you/ <i>they</i> currently have that condition?	Yes	No	Don't Know	
If yes, please describe the health condition(s).	103	110	Don't Tallow	
Are there any adults with chronic heart or lung conditions,				
such as coronary artery disease, asthma or emphysema?	No	Yes	DK	
Are there times when your condition(s) gets worse? (e.g.,	Yes			
night, day weekend, weekday)	When?		No	
Are there any places when your condition(s) get worse?	Yes When?		No	
(e.g., home, work, school)	wilen:			
Are there any seasons when your condition(s) get worse?	Yes		No	
(e.g., spring, summer, fall, winter)	When?		110	
Children				
Are there any children (under the age of 18 years old) with				
chronic heart or lung conditions, such as congenital heart	Yes	No	Don't Know	
disease, asthma or cystic fibrosis?				
If yes, what are the ages of these children?				
Please describe the condition(s).	**	<u> </u>		
Are there times when your condition(s) gets worse? (e.g.,	Yes		No	
night, day weekend, weekday)	When?			
Are there any places when your condition(s) get worse?	Yes		No	
(e.g., home, work, school)	When?			
Are there any seasons when your condition(s) get worse?	Yes		No	
(e.g., spring, summer, fall, winter) Odors/Fumes	When?			
Have you or your household members <i>of any age</i> noticed				
odors or fumes in your home or in common areas where	Yes	No	DK	
you spend the most time (bedroom, living room, kitchen)?	165	INU	DK	
you spend the most time (bedroom, nving room, kitchen):	Describe adore			
	Describe odor:			
If yes, please describe the odors/fumes, as well as their	When:			
location, when they occur (times of the day, days of the	Time of day			
week, seasons of the year), and duration:	Day of week			
	Season			
	How long:			

Have you been told you have the following:

Condition	Yes/No	Were you told you had this by a doctor or nurse? Yes/No	How old were you when doctor or nurse first told
Asthma, allergies			
Chronic bronchitis or			
emphysema?			
Angina			

Attributes of the Structure or Home The following questions are about the qualities and characters	eristics of your ho	оте.			
Do you live in an:	Apartment Single Family Townh Home Condor				
v	Mobile Home	2	Other (S	Specify)	
If you live in an apartment, town home, or any multistory structure, how many floors are there?	Number of floors in building				
If you live in an apartment, town home, or any multistory structure, what floor do you live on?	Pa	articipant floo			
About when was the building built?	2000-present 1990-1999 1985-1989 1980-1984 1970-1979				
	1960-1969 1950-1959 1940-1949 1939 or earlier DK				
What is the condition of your home or building?	Good	Fa	air	Poor	
Is the home or building built on a slab?	Yes	N	lo	DK	
Does the home or building have a basement?	Yes	N	lo	DK	
Does the home or building have a crawlspace?	Yes	N	lo	DK	
Does the home or building have an attached garage?	Yes	N	l o	DK	
Do the windows (e.g., sills) have peeling paint?	Yes	N	lo	DK	
Is there peeling paint in other places?	Yes	N	lo	DK	
Do you currently have mold in your home on an area greater than the size of a dollar bill?	Yes No DK Refuse				
Do you have a woodstove or fireplace?	Yes	3		No	
Does smoke enter the room when you use it?	No	Y	es	DK	
Are there any chemicals or open containers stored in or near the living spaces of your home?	Yes	N	lo	DK	
Do you use pesticides in your home?	Yes	N	lo	DK	
Other					

Is there anything you want us to know that we did not ask about?

Water

Script: These questions will help us determine the overall quality of your water as it relates to your exposure or use. City or county (public) Private well Spring Pond What is your main source of **drinking** water in your home Cistern or building? Community well **Bottled** Other Specify: _____ Don't know (If a water company) What is the name of the water company that provided the water (the place where you send in your water bill)? (Interviewer may want to get the usage off the water bill) If you have a **private well**, has it been tested? Yes No DK Date: If 'yes' do you know the date it was tested, who did the Company: testing, whether it was tested for bacterial and/or chemical Bacteria / Chemical contamination, and the results? Results: City or county (public) Private well Spring Pond What is your main source of water used for **cooking**? Cistern Community well **Bottled** Other Specify: _____ Don't know City or county Private well Spring Pond What is your main source of water for bathing and Cistern showering? Community well **Bottled** Other Specify: _____ Don't know Surveyor, the next three questions are for suspect Volatile Organic Compounds (VOCs) in water: In the last three days [or INSERT TIMEFRAME], did {you/she/he} take a hot shower or bath for five minutes or DK Yes No longer? How long ago, in hours, has it been since {your/her/his} last shower or hot bath? Do you limit time showering and bathing? Never Always Sometimes Do you shower or bathe in cool water? Never Sometimes Always Do you limit steam exposure (e.g., from dishwasher, Never Sometimes Always boiling)? What is your main source of water for pools and hot City or county tubs? Private well Spring Pond Cistern Community well **Bottled** Other Specify:

	Don't know					
List all of the water treatment devices for your drinking water or water used for mixing drinks (e.g., formula, juices).	None Charcoal Filter/Granular Activated Carbon (GAC) Ceramic Filter Reverse Osmosis Water Softener Boil Water Distillation Aerator Water Filter System (Brita, Pur, etc.)					
List all of the water treatment devices for your water used for cooking .		None Charcoal F Ceramic F Reverse O Water Soft Boil Water Distillation Aerator	Filter/GAC ilter smosis tener			
List all of the water treatment devices for your bathing and showering water.	Water Filter System (Brita, Pur, etc) None Charcoal Filter/GAC Ceramic Filter Reverse Osmosis Water Softener Boil Water Distillation Aerator Water Filter System (Brita, Pur, etc)					
Do you use water filters in your home?	Yes		lo		DK	
If you have filters, do you regularly replace and maintain filters?	Never	Sometimes	Alway	rs	DK	
Do you follow drinking water recommendations?	Never	Sometimes	Alway	'S	DK	
Plumbing Do you have copper pipes?	Yes	N	lo		DK	
Does your plumbing have lead solder?	Yes No DK				DK	

Soils

Script - If chemicals are in the soils, you can get them on your skin by gardening, playing, touching your pets, walking barefoot on exposed dirt (no grass, mulch, etc).

If the question is not applicable to you, please answer "Never Do This."

Soils Information –Contact

Did you bring home [LIST soil, products, etc] from [LIST LOCATION].	Y	es	N	lo
How often do you work in soil IN YOUR YARD (e.g.,	Never Do	Seldom Do	Sometimes	Always Do
gardening, digging, building, repairing)?	This	This	Do This	This
<i>If</i> "Never Do This", skip next 5 questions	•	•	•	
If so, how frequently do you work in soil in your yard?	Daily	We	ekly	Monthly
How often do you use gloves and protective clothing when	Never Do	Seldom Do	Sometimes	Always Do
you work in soil? (e.g. working, playing outdoors,	This	This	Do This	This
gardening, yardwork)	11113	11113	D0 11113	11113
How often do you change clothes immediately after	Never Do	Seldom Do	Sometimes	Always Do
outdoor activity (e.g. working, playing outdoors,	This	This	Do This	This
gardening, yard work)	11115	11115	DO TIIIS	11115
How often do you wash hands, face, and/ or other exposed	Never Do	Seldom Do	Sometimes	Always Do
skin immediately after outdoor activity (e.g., working,	This	This	Do This	This
playing outdoors, gardening, yard work)?				11113
How often do you wash dirty clothes immediately after	Never Do	Seldom Do	Sometimes	Always Do
wear (e.g., work clothes, yard work clothes)?	This	This	Do This	This
Soil Information (Tracking inside home)				
How often do you remove shoes before entering your	Never Do	Seldom Do	Sometimes	Always Do
home?	This	This	Do This	This
How often do you cover bare soils with turf or mulch?	Never Do	Seldom Do	Sometimes	Always Do
	This	This	Do This	This
How often do you wet-down disturbed soils (e.g.	Never Do	Seldom Do	Sometimes	Always Do
gardening, digging, building)?	This	This	Do This	This
When you go outside, how often do you have contact with	Never Do	Seldom Do	Sometimes	Always Do
dirt without shoes?	This	This	Do This	This
Pets (Tracking dirt inside and dander)				
Do you have any pets?	Y	es		lo
			Rodents:	
			(hamster,	
	Dog	Cat	mice, rat,	Rabbit
What types of indoor pets do you have in your home?			gerbil,	
			guinea pig)	
	Ferret		Other:	
When your pets go outdoors, how often do they track dirt	Never Do	Seldom Do	Sometimes	Always Do
into the house?	This	This	Do This	This
List the number of indoor pets that regularly go outdoors.		1	-	
1				

Note to surveyor - The pets questions can be asked of one person in the household and don't have to be repeated for each person.

House Cleaning Frequency

Script –This next set of questions is about the cleaning habits in your home by you or someone else.

Note to surveyor: The home cleaning questions can be asked of one person in the household and don't have to be repeated for each person.

How often does anyone wet mop your home?	Twice a week	Once a week	Less than once a month	Never
How often does anyone dry dust your home?	Twice a week	Once a week	Less than once a month	Never
How often does anyone broom sweep your home?	Twice a week	Once a week	Less than once a month	Never

How often does anyone vacuum your home? [if never go to next section]	Twice a week	Once a week	Less the once mont	a	Never
Does your vacuum have a bag?	Y	es		No	
Does your vacuum have a high efficiency particulate air (HEPA) filter?	Yes	Yes N		Г	Oon't Know
Was (INSERT TYPE OF CLEANING, OR SAY ANY CLEANING) done in rooms where the samplers were placed?	Y	es			lo
	Vacuum	Vacuum Damp		np mop Wet mop	
If yes, what type of cleaning?	Dry mop or o	ry mop or dust Sweep			Other:
If you currently have children ≤ 18 in your home, please skip to the next section.	respond to the	following s	atements.	If no	t, please
Do you keep children from playing, biking, or doing other	Never Do	Seldom Do	Someti	mes	Always Do
activities in areas with possible soil contamination?	This	This	Do Tł	nis	This
Do you keep children from eating dirt?	Never Do	Seldom Do	Sometin	mes	Always Do
	This	This	Do Th	nis	This
Do you keep children from putting their fingers and hands	Never Do	Seldom Do	Sometin	mes	Always Do
in their mouths?	This	This	Do Th	nis	This

Garden

Script: The next questions are about your contact with fresh fruits and /or vegetables						
Does anyone, including you or a lawn service, use chemicals on your lawn or garden?	Yes	N	Го	Don't know		
Do you or your neighbor grow fruits and vegetables in the yard?	Yes		No			
What vegetables/fruits do you grow and eat from you or your neighbor's garden?						
When was the last time you ate that vegetable and/or fruit?	Days	Weeks	Months	Years ago		
When you eat those fruits and/or vegetables, how often do you eat them?	Daily	Wee	ekly	Monthly		
How often do you wash the vegetables and/or fruit before you eat them?	Never	Some	etimes	Always		
How often do you wash the vegetables and /or fruit before you cook them?	Never	Some	etimes	Always		
(Note to surveyor: Process can include pressure cooking	(can or bag, hot v	water (can or	bag), freez	ing, or drying)		
Do you process your fruit and vegetables or your neighbor's? [if 'no' go to next section]	Yes	N	lo	Don't Know		
When was the last time you ate your processed fruit or vegetables?	Days	We	eks	Months		
How often do you or your family eat the vegetables and/or fruit you processed from your garden?	Daily	We	ekly	Monthly		
How often do you or your family eat the vegetables and/or fruit you processed from your neighbor's garden?	Daily	Wee	ekly	Monthly		

Foods

Fish

Script: These questions will help us determine if eating locally caught fish may increase your contact with chemicals.

First for the following questions, when I say "fish", I mean any type of seafood, including shellfish, squid, crab, sea urchins or seaweed

urchins or seaweed	my type of seafood, i	nctuality stietiff	isii, squia, crab, sea
Does anyone in your household currently catch fish (of any kind) from [LIST WATERBODY]?	Yes	No	DK
Does anyone in your household eat the fish caught from [LIST WATERBODY]?	Yes	No	DK
How long have you eaten fish? (RECORD IN YEARS)			
Script: When I say "fish meals", I mean any meal you had w	hich consisted of the	entire fish or p	arts of fish
What kind of fish and how many fish meals have you eaten in [INSERT TIME FRAME OR USE the last 30 days]? (RECORD NUMBER for each)			
How many ounces of fish do you usually eat in one meal?	1-4oz	5-8oz	>8oz
(Surveyor: USE A MODEL FOR SIZE IF POSSIBLE) What is your primary source of fish? In other words, where do you usually get the fish that you eat? Do you (SURVEYOR: READ LIST. ONE ANSWER ONLY)	Catch fish yourself Purchase from a ro Purchase from a fis Purchase from a su Purchase from a re Receive from famil Other (SPECIFY	adside vendor o sherman's co-op permarket staurant	
In the last 30 days, how often did you eat fish caught from <i>LIST WATERBODY(IES) OF INTEREST?</i>			
For (AREAS MENTIONED ABOVE), what type(s) of fish did you USUALLY catch, take home and eat?			
Did you eat fish within the last [INSERT TIME FRAME OR USE seven days]?	Yes		No
Where did you get the fish that you ate within the last [INSERT TIME FRAME OR USE seven days]? In other words, where do you usually get the fish that you eat? Do you (READ, CIRCLE ALL THAT APPLY)	Catch fish yourself Purchase from a ro Purchase from a fis Purchase from a su Purchase from a re Receive from fami Other (SPECIFY)	adside vendor o sherman's co-op permarket staurant	
(FOR EACH FISH EATEN) Which parts of this fish do you usually eat? (CHECK ALL THAT APPLY)		Head Bones Fish eggs (roe)	Intestines
FOR EACH FISH EATEN) How do you usually prepare this fish? Do you skin it, trim the fat, gut it, a combination of, or some other way?	Skinning T Combinat	rimming fat ion Other	Gutting
What is your PRIMARY cooking method for this fish?	Raw Pan Fried Stewed Grilled E	Deep F Baked Other	ried Boiled/
Communication/Education			
Before taking this survey, were you aware of the LIST ADVISORY that has been issued for the LIST AREA?	Yes		No

Which of these information sources made you aware of the ADVISORY OR WARNING? (CHECK ALL THAT APPLY)	 A story in the newspaper A print advertisement in the newspaper Television broadcast Radio talk show or radio news Posted signs and notices Meeting Family and friends Church announcement/church bulletin or newspaper Word of mouth Other
Since you learned about the ADVISORY OR WARNING, have you made any changes in either the way you eat the fish you catch or in your fishing habits?	No, I have not made any changes in my fishing or eating habits. Yes
If 'yes', which of these apply to you?	 I no longer eat any fish from the Advisory or Warning area I eat less fish now than before the Advisory or Warning. I eat more fish now because I can choose fish from areas outside the Advisory or Warning area. I have reduced the size of my fish meal portions. I have changed the way I prepare locally caught fish before I eat it. I have changed the way I cook locally caught fish before I eat it. I have changed my fishing locations. I have changed the species I fish for because of the Advisory or Warning. Other
How would you like to be informed of any future advisories or notices?	 Newspaper article Newspaper advertisement Television news broadcast Radio talk shows/news Posted signs and notices in areas that you fish Meetings Family and friends Church announcement/church newspaper Word of mouth Other

Domestic Animals

Script: These questions will help us determine if eating locally raised domestic animals may increase your contact with chemicals.

First for the following questions, domestic animals are defined as locally raised animals that are used as a source of meat (such as cattle or chicken). Also the products of these domesticated animals such as milk or eggs are to be included in this survey

Do you currently eat locally raised domestic animals (of any kind)?		Yes			No		
allillidis (OI dily Kliid):	Domest Animal	ic Food		# mea in last days		Source (see list)	
	Goat:	n: Meat Eggs (Meat Milk* (Lamb: Meat Milk* oar: Meat ': Meat Eggs n: Meat Eggs	Organs Organs Organs Organs Organs Organs				
If yes, what type and how are they used for food?	* Milk and milk products including milk, butter, cheese, yogurt, etc) **Indicate if the milk products are pasteurized.					e, yogurt,	
	Source List: Where do you usually get the domestic animals that you eat? Do you (READ LIST. ONE ANSWER ONLY)					ou eat? Do	
	 Raise domestic animals yourself or get it from a household member Purchase from a roadside vendor or flea market Purchase from a domestic animal co-op Purchase from a supermarket Purchase from a restaurant Receive from family and friends Other (SPECIFY) 					ousehold	
Game Script: Game refers to wild animals such as deer w	hich are l	hunted and used as a	source of	food.			
Do you currently eat game (of any kind)?	No, NEVER I do not currently eat game, nor have I ever eaten game. No, PREVIOUS Yes but I have previously eaten game.						
How long have you eaten game? (RECORD IN YEARS)		<i>O</i> - 1-2-1					
Do you hunt or is game given to you to eat?		Yes			No	1	
Where do you hunt? (RECORD LOCATION)							

Game	Frequency (Weekly, Monthly, Yearly)	Source (see list)
Deer		
Rabbit		
Quail		
Duck		
Dove		
Turkeys		
Elk		
Caribou		
Alligato	r	

Check the game you consume and list how often (weekly, monthly, yearly) and the primary place you get the game (READ LIST. ONE ANSWER ONLY):

Where do you usually get the game that you eat? Do you...

- **1.** Hunt game yourself or get it from a household member
- **2.** Purchase from a roadside vendor or flea market
- **3.** Purchase from a game co-op
- **4.** Purchase from a supermarket
- **5.** Purchase from a restaurant
- **6.** Receive from family and friends
- **7.** Other (SPECIFY)

Other: List

Confounders/Other Possible Sources of Exposure Questions

Script: For the next set of questions, we will be asking you about other ways or places you may have come in contact with chemicals.

Occupational Questions

Script: Answer the following questions about the kinds of jobs you have had.

What is the name of your current employer (s)?	Job1		Job2			Job3
Which best describes your current employment status?	Employed for wages		Self- nployed	Out of w for mo than 1 y	re	Out of work for less than 1 year
	A Homemaker	A	A Student		d	Unable to Work
At your present work:	Animal Control Worker, Animal Scientist, Veterinarian					

What best describes the type of work you are doing (at Job 1, Job2, Job3 etc.)?

> (*Note to surveyor*: This is an example of an industry or occupation list. It should be edited to only include jobs of interest to your investigation (e.g., jobs that may include chemical use similar to what you are investigating. If you want to include an exhaustive list of occupations or industries, you can use the U.S. Census list found at

> http://www.census.gov/hhes/www/ioindex/overvie w.html

If you want to narrow the list to jobs or industries with chemical of interest, consider searching "agents" @ http://hazmap.nlm.nih.gov/, then look at processes, industries, and activities with risk of exposure. You can also search it backward when you know a job and it will tell you the hazards associated with that job.)

Airport or Aircraft Worker

Arts & Media

Assemblers & Fabricator

Car Repair, Mechanic

Chemical Industry Worker (mixer, processor, researcher)

Child Care Worker

Cleaning homes or offices

Construction

Crop & Livestock Production

Dentist, Dental Hygienist

Detective and Criminal Investigator

Disabled & stay at home

Dry Cleaning Worker

Fire Fighter

Electrician, Electrical worker

Engineering, Sciences & Education

Equipment Operator

Etcher or Engraver

Extractive (e.g., mine machines, drills)

Explosives Worker

Farmworker

Fishing & Hunting

Floor Finisher

Food Processor

Food Service

Furniture Finisher

Grounds Maintenance Worker

Hairdresser, Hair Stylist &/or Cosmetologist

Health Care Worker

Home Care Taker

Installation, Maintenance & Repair Worker

Logging, Forest & Conservation Worker

Machinist

Material Moving

Metalworking & Plasticworking

Miner

Miscellaneous Production Worker

Manicurist

Mortician and Embalmer

Office Worker

Painter

Pest Control Worker

Petroleum worker

Photo processing, photographer Physician, Anesthesiologists

Pilot

Police or Sheriff Patrol Officer

	Printing Worker Retired Roofer Textile, Apparel & Furnishing Worker Utilities & Transportation Worker Welder including soldering & brazing Woodworker Other: List: None						
What is your current job title?	Job1		Job3				
What are your main job tasks?	Job1		Job2 Job2		Job3		
When did you start to work for your current employer(s)?	0001		0002		1000	,,,	
(Note: try to get month and year or at least year) or "current job")	mm/dd/year						
For the following questions, "contact" means touching, brea	athing,	or eating/ ing	esting	/swallowing			
Do you have contact with harmful chemicals, physical debris, dusts or mists, or hazardous powders at your current job?		Yes Job1 No Job2 Job3			DK		
If yes to the above question, please describe the hazard	Breathing Touching Swallowing Other (list) Asbestos		Physical	Dusts Gas Liquid	Finale	Breathing Touching Swallowing	
(Surveyor, list the hazards and circle the response).			Ъ	Mists Silica		Other (list) Lead	
Have you or could you have contact with radiation at your job?	Yes No Describe:			No		DK	
Have you or could you have contact with [INSERT CHEMICAL OR COMPOUNDS OF INTEREST] at your job (e.g., lead, asbestos, silica)?	Yes Job1 Job2 No Job3 Describe:		DK				
Are you required to wear protective equipment at your current job? [if 'no' skip to the next section]		Yes			No		
Do you wear protective equipment such as gloves, dust mask or respirator, hood, etc at work?		Always	So	ometimes	Never		
	/es	Always	Лask	Always	acnirator	Always	
	Gloves	Sometime	Dust Mask	Sometime	Dacni	Sometime	
		Never		Never		Never	
What type of equipment was worn?	,	Always	tion	Always		Always	
	Coverall/	Sometime	Eye Protection	Sometime	Hood	Sometime	
		Never	Eye	Never		Never	
Do you wear your work clothes home?		Always	Sometimes			Never	
Do you wear your work shoes home?		Always	So	ometimes		Never	
Do you shower and/or change clothes before coming home from work?		Always	Sometimes		Never		
Have you ever been off work from your current job for more than a day because of an illness or injury related to your work?	Yes Describe: When:		No				

At your past work:	Job	Time Per	riod	Months	
What jobs or industries have you worked in the past				Years	
(Surveyor: insert 1, 2, 5, 10 or other timeframe of interest)				Months	
year(s)?				Years	
Note when (approximate year or timeframe) and approximately how long (months or years) by each.				Months	
Example: Welding and soldering metals, 1989- Construction, 1987, years What is the longest job held? When? How long?				Years	
Have you ever been in the military?	Yes Main Job Tas When: How long:	ks:	No		
Have you ever worked on a farm or done seasonal farm work?	Yes Main Job Tas Describe: When: How long:	ks:	No		
At your past work, have you ever worked at a facility that [INSERT (processed, machined, used)] [INSERT CHEMICAL OR COMPOUND]?	Yes Job Tasks: Describe: Job Title: When: How Long: or Year Began: Year End:			No	
Have you ever been off work from a past job for more than a day because of an illness or injury related to your work?	Yes Describe: When:		No		
Have you ever changed jobs or work assignments because of work-related health problems or injuries?	Yes Describe: When:		No		
Occupational/Take Home Questions					
Script: Answer the following questions about the jobs people Has anyone in the household worked in [list industry]?	e in or visiting t	he household h	ave had.		
Surveyor: If more than one person has contact with chemicals, ask these questions for each separately.	Y	es		No	
Did that person come home from work without showering?	Always	Sometimes	Never	DK	
If they worked in the past: Did that person wear work clothing home after working?	Always	Sometimes	Never	DK	
Did that person wear protective equipment such as gloves, dust mask or respirator, hood, etc at work?	Always	Sometimes	Never	DK	
Did they wear their work shoes home?	Always	Sometimes	Never	DK	
If they are currently working: Does that person wear work clothing home after working?	Always	Sometimes	Never	DK	
Do they wear their work shoes home?	Always	Sometimes	Never	DK	
Does that person shower before they come home from work?	Always	Sometimes	Never	DK	
Does that person wear protective equipment such as gloves, masks, hood, etc at work?	Always	Sometimes	Never	DK	

Timarity for enjoyments Thomes the following questions door	ut your hobbies and activities at home.
	Batik printing
	Candle-making Ceramics making
	Dye Use
	Electronics
	Epoxy Use
	Enameling
What hobbies do you or your household members engage	Fishing gear (making) sinkers, etc
in AT home ?	Glassblowing
	Home remodeling
(List hobbies (excluding sports). Example:	Intalagio printing
woodworking, stained glass, etc.)	Jewelry making
(Note to constitution of the Personal Research	Leather crafting
(Note to surveyor: If you want to narrow the list to	Lithography printing
hobbies with chemical of interest, consider	Lost wax casting
searching the tab "ingredients" @ http://hpd.nlm.nih.gov/index.htm , then list the	Metal work
chemical and it will provide a list of products that	Model making
contain it. You can also search "products" and	Painting
choose "arts and crafts" to display the chemicals	Preparing, stuffing, and mounting animal skins
associated with the hobby.)	(taxidermy)
associated with the hobby.)	Soap making
	Staining
	Sculpturing plastics
	Sculpturing stone containing crystalline silica, e.
	granite
	Stained glass making
	Woodworking
	None
	Batik printing
	Candle-making
	Ceramics making
	Dye Use
	Electronics
	Epoxy Use
	Enameling
	Fishing gear (making) sinkers, etc
	Glassblowing
	Home remodeling
	Intalagio printing
What hobbies do you or your household members engage	Jewelry making
in AWAY from home?	Leather crafting
	Lithography printing
(List hobbies (excluding sports). Example:	Lost wax casting
woodworking, stained glass, etc.)	Metal work
	Model making
	Painting
	Preparing, stuffing, and mounting animal skins
	(taxidermy)
	Soap making
	Staining
	Sculpturing plastics
	Sculpturing stone containing crystalline silica, e.
	granite
	Stained glass making
	Woodworking
	None
Do you burn, solder, or melt any products?	Yes No

		ever
On average, for the past month, how many days did you		3 days per month 2 days per week
use lead solder to join pieces of stained glass?		·6 days per week
		aily
	0 D	on't know
	o N	ever
		3 days per month
On average, for the past month, how many days did you		2 days per week
use lead based oil paint to paint pictures or jewelry?		·6 days per week aily
		on't know
Do you use any alternative healing or cultural practices?	Yes	No
Household Chemical Uses and House Construction Ques	Describe: tions	
Script: To the best of your ability, answer the following ques that were used in the construction of your home. Fuels		ducts you are using and/or
Have you recently (within the past $\{X\}$ days) used or been near <u>fuels?</u>	Yes	No
Is any gasoline, diesel, fuel oils, or kerosene being stored in any room or basement of your home or in an attached garage or carport?	Yes	No
Are any devices with gasoline or diesel engines such as lawn mowers being stored in any room or basement of your home or in an attached garage or carport?	Yes	No
In the last three days – today, yesterday, or the day before yesterday		
In the last three days [or INSERT TIMEFRAME], did {you/she/he} pump gas into a car or another gasoline/diesel powered engine {yourself/herself/himself}?	Yes	No
How long ago, in hours, did {you/she/he} pump gas?		
When did you last ride in a gasoline/diesel powered vehicle?		
In the past three days [or INSERT TIMEFRAME], have you breathed fumes from car, lawn mower or any other gasoline or diesel powered engine?	Yes	No
How long ago, in hours, did {you/she/he} breathe fumes?		
Landscape or Yard Products Have you recently (within the last { X } days or weeks) used any <u>landscape or yard products</u> such as fertilizer, lawn care, swimming pool products, etc?	Yes	No

If so, list the commercial or brand name of these		
If so, list the commercial or brand name of those Cleaning Products		
Have you recently (within the last{ X} days or weeks)		
used any <u>cleaning products</u> inside the home? Example: air	Yes	No
fresheners, bleach, toilet bowl cleaner, etc		
If so, list the commercial or brand name of those.		
Yesterday or {INSERT TIMEFRAME}, did any		
activities in the home or elsewhere involve working with	Yes	No
or being near stain or spot removers?		
If so, list the commercial or brand name of those.		
Auto Products		
Have you recently (within the last{ X } days or weeks)	Yes	No
used any auto products such as brake fluid, de-icer,	res	INO
lubricant, sealant, etc?		
If so, list the commercial or brand name of those.		
Home Maintenance and Renovations		
Have you recently (within the last $\{X\}$ days or weeks)	Voc	No
used any home maintenance products such as caulk, grout,	Yes	No
insulation, paint, putty stain, etc?		
If so, list the commercial or brand name of those.		
Are any paints or varnishes being stored in any room or		
basement or your home or in an attached garage or	Yes	No
carport?		
Are any woodworking solvents, paint stripping fluids or		
adhesives stored in any room or basement of your home or	Yes	No
in an attached garage, or carport?	1 65	110
		N.T.
		Never
		1-3 days per month
On average, for the past month, how many days did you		1-2 days per week
paint walls, furniture, cars, or other objects?		3-6 days per week
		Daily Don't know
	0	DON L KNOW
	0	Never
		1-3 days per month
On average, for the past month, how many days did you		1-2 days per week
use chemical paint strippers?		3-6 days per week
		Daily
	0	Don't know
	0	Never
On average, for the past month, how many days did you		1-3 days per month
remove paint by other methods such as scraping, heat gun,		1-2 days per week
or sanding?		3-6 days per week
J		Daily
		Don't know
In the {last 6 months or INSERT TIMEFRAME}, have		
you or anyone else renovated your home in any way? This	Yes	No
would include indoor painting, refinishing floors, adding	1 62	110
rooms to the house or laying new carpet.		
In the { last 6 months or INSERT TIMEFRAME }, was		
any indoor painting done?	Yes	No
In the (lost C months or INCEDE TOWERD AND)		
In the{ last 6 months or INSERT TIMEFRAME }, have the floors in your home been refinished?	Yes	No
the moors in your nome been remissieu:		

In the {last 6 months or INSERT TIMEFRAME}, have	Y	es	No			
you had new carpet installed? If you have had new carpet, was glue used or was it tacked down?	Glue	Glue Tacked		DK		
In the{last 6 months or INSERT TIMEFRAME}, were additions constructed to the house or building?	Y	es	No			
Pesticides, Herbicides Have you recently (within the last {X} days or weeks) used any pesticides including animal repellant, fungicide, herbicide, insecticide, etc to get rid of insects, rodents or other pests?	Y	es	No			
Was that done:	Inside	Out	tside	Both		
If so, list the commercial or brand name of those						
How many times in the (<i>insert time period</i>) were pesticides applied by a PROFESSIONAL?	1-2	1-2 3-5		10+		
How many times in the last (<i>insert time period</i>) did you PERSONALLY apply pesticides?	1-2	3-5	6-9	10+		
In the past month , were any chemicals used to treat this home to control fleas, roaches, ants, termites, or other insects?	Yes	ı	No	DK		
Pet Products Have you recently (within the last {X} days or weeks) used any pet care products such as flea & tick control, litter/stain/odor remover?	Yes			No		
If so, list the commercial or brand name of those.						
Arts and Crafts Have you recently (within the last {X} days or weeks) used any arts and crafts products such as adhesive, glaze, glue, primer, varnish, etc?	Y	es	No			
If so, list the commercial or brand name of those.						
Drinking Water Have you had your <u>drinking water</u> tested? If so, what did the results show?	Yes No DI					
		- N				
			ever 3 days per mo	onth		
On average, for the past month, how many days did you			2 days per me			
use lead solder to solder pipes, do electric repairs?			6 days per we	eek		
			Daily Don't know			
Lifestyle Questions						
Script: Sometimes our lifestyle can contribute to an increase on the following questions about lifestyle.	or decrease in	the chemical le	evels found ou	ır body. Answe		
Have you had a meal high in fat (fried fish, hamburgers, etc) in the X days?	Y	es		No		
Medicine Questions						
Script: Some medicines may contain small amounts of chemical following questions about medicines you are taking.	als and can af	fect your test r	esults. Please	answer the		
Please list the prescription medications you now take.						

Please list any over the counter medications such as							
vitamins, supplements (herbal and nutritional),							
acetaminophen (Tylenol) taken on a daily basis.	-						
accuminophen (Tytenot) taken on a daily basis.							
For medicines you do <u>not</u> take frequently (in the past few							
days), when was the last time you took that medicine?							
Frequency of Contact Questions							
Script: Script - You may have had contact with chemicals f	rom more the	an one pl	ace. Ple	ase ans	swer the	ese aues	stions on
where you believe you had the most contact with chemicals							
swallowing/eating/ingesting. "Chemicals" means (dust, pa						killer, e	etc.)
	Work	Less	1	2	3	4	More
Answer the following questions on a scale of 1 to 4, 1	Hobbies		1	2	3	4	
meaning "less" and 4 meaning "more." Where do you	Home		1	2	3	4	
believe you have more frequent contact with chemicals?	Lifestyle		1	2	3	4	
	Foods		1	2	3	4	
	Work	Less	1	2	3	4	More
Answer the following questions on a scale of 1 to 4, 1	Hobbies		1	2	3		
	nobbles		1		٥	4	
meaning "less" and 4 meaning "more." Where do you	Home		1	2	3	4	
	11000100		_		_		

Confounders/Other Possible Sources of Exposure Questions Chemical-Specific Set

Chemicai-Specific Set						
Food, Drink, Medicines						
Script: Sometimes chemicals are naturally found, can accum	ulate in, or ar	e added to	foods	. Ansv	ver the follo	wing
questions about food, drinks, or medicines you have had rece	ently.					
Arsenic						
Have you eaten seafood (finfish, shellfish like oysters,						
crabs. mussels, lobster, or other like octopus, squid, etc) in	Y	Zes .			No	
the past 3-4 days?						
Have you used any herbal supplements or remedies						
imported from India (containing avurvedic medicine) or		7				
imported from South Asia in the {past X} days?		es			No	
	If yes, plea	ise list the	em:			
(Note: Asian herbal remedy Kushtay may contain Ar)						
Have you eaten [INSERT FOOD] in the past [INSERT	Ŋ	Zes .				
TIMEFRAME]?	If yes, plea	se list the	em:		No	
Mercury						
When was the last time you ate fish?	Days		We	eks	N	Months
Have you used any herbal supplements or remedies		-			<u>'</u>	
imported from India (containing avurvedic medicine) or		es			No	
imported from South Asia in the { past X } days?	If yes, plea	ise list the	em:			
Do you or your family members use mercury for medicinal						
or ceremonial purposes?)	Zes .			No	
PCBs			!			
When was the last time you ate seafood (finfish, shellfish						
like oysters, crabs. mussels, lobster, or other like octopus,	Days	Wee	ks	М	onths	Years
squid, etc)?	Duys	""	.KS	171	ontiis	1 curs
PAHs						
In the last month, have you eaten any food that was <i>grilled</i> ,						
blackened, charred, smoked or roasted through cooking?	Ŋ	Zes –		1		
How many servings?	1-2	3-5	6-	10	11-19	20+
In the last [INSERT TIMEFRAME], have you had any	12		1		11 13	20.
drinks that were roasted through cooking? (e.g., roasted	7	Zes .			No	
coffee)?	-	CS			110	
·					More	
If so, how many servings?	1 to 2	3 to 5	6 to	10	11 to 19	than 20
Naphthalene	'				•	•
{Do you/Does she/Does he} use toilet bowl deodorizers						
inside {your/her/his} home?						
[Some toilet bowl deodorizers clip onto the toilet rim,						
others, such as deodorant blocks and gels, are placed inside						
the tank or hang inside the wall of the tank. Brand names						
include Bully, 2000 Flushes, Vanish, X-14, Ty-D-Bol,	•	Zes .			No	
Toilet Duck, Clorox, Lime-A-Way, and Sno Bol.]	•				1.0	
Tonet Buen, Gloron, Emile 11 Way, and Sho Bon,						
[NOTE: Naphthalene is also used for in fungicides,						
lubricants, explosives, and wood preservatives. There are						
questions for those under Confounders/Other Possible						
Sources of Exposure Questions.]						
{Do you/Does she/Does he} use moth balls or crystals						
inside {your/her/his} home?	}	Zes .			No	
Fluoride, other Chemicals?						
Do you or your family members drink tea?		Zes .			No	
Lead	1	. Co			110	
Have you eaten candies produced in Mexico in the past 2 months?	7	es			No	
Have you used any herbal supplements or remedies	7	Zes			No	
imported from India (containing avurvedic medicine) or	If yes, plea		ım.		INO	
imported from South Asia in the {past X} days?	11 yes, pied	ise iist tilt	.111.			
imported from Journ Asia in the (past A) tidys:						

(Note: <i>Bint al Thahab</i> , some calcium supplements, Chinese herbal medicine, surma)				
Lifestyle Questions				
Script: Sometimes our lifestyle can contribute to an increase	or decrease in t	the chemical le	vels found	in our body.
Answer the following questions about lifestyle.			•	,
Cadmium				
Cadmium is a heavy metal that is found in cigarette smoke, s	semiconductor n	nanufacturing,	welding, ba	attery
manufacturing, and metal smelting operations.			·	
Have you or could you have had contact with Cadmium at	Ye	2 6		No
_your job?				
Do you smoke cigarettes now?	Ye			No
How often do you smoke cigarettes?	Daily		ekly	Monthly
How many cigarettes do you smoke per day?	1-5 day	6-10 day	11-20 da	y >20
Does anyone smoke cigarettes inside your home including	Ye	2 6		No
household members and frequent guests?	10			110
How often do household members or guests smoke	Daily	WA	ekly	Monthly
cigarettes in your home?	Daily	***	CKIY	iviolitily
PAHs				
Do you smoke cigarettes now?	Ye			No
How often do you smoke cigarettes?	Daily		ekly	Monthly
How many cigarettes do you smoke per day?	1-5 day	6-10 day	11-20 da	y >20
Does anyone smoke cigarettes inside your home including	Ye	ac		No
household members and frequent guests?	10			110
How often do household members or guests smoke	Daily	W/o	ekly	Monthly
cigarettes in your home?	Daily	***	CKIY	Wiontiny
Health Conditions				
may be used for lead, uranium, cadmium, benzene				
Script: Sometimes a health condition can contribute to an in		ase in the chem	ical levels	found in our
body. Answer the following questions about your health cond				
		Diabetes type I	or II	
		Kidney disease		
		High Blood Pre		
		Anemia, from l		
_ , , , , , , , , , , , , , , , , , , ,		-		(like osteoporosis
Do you or have you had any of the medical problems		or "brittle bone	,	
below?				s such as Asthma
		and Chronic Ob		ulmonary
		Disease (COPE		•.
		Sickle Cell And		lit
		G-6-P-D defic	iency	
If we wire details				
If yes, give details Are there times when your condition gets werea? (e.g.	37.			
Are there times when your condition gets worse? (e.g.,	Ye	28		No
night, day weekend, weekday)	When?			
Are there any places when your conditions get worse?	Ye Whon?	25		No
(e.g., home, work, school)	When?	20		
Are there any seasons when your conditions get worse?		:5		No
(e.g., spring, summer, fall, winter)	When?			