Environmental Polymorphisms Registry





■ Data Dictionary Codebook

06/11/2021 2:36pm

			➤ Expand all instruments	Expand all instruments
#	Variable / Field Name	Field Label Field Note	Field Attributes (Field Type, Calculations, etc.)	Validation, Choices,
Inst	Instrument: New Participant (new_participant)			➤ Expand Expand
Inst	rument: Contact (contact)	Enabled as survey		➤ Expand Expand
Inst	rument: Demographics (de	emographics) 🛂 Enabled as survey		∨ Expand Expand
Inst	rument: Core Medical Histo	ory (core_medical_history)		∨ Expand Expand
Inst	rument: Medications (medi	ications)		∨ Expand Expand
Inst	rument: Blood Sample Coll	ection (blood_sample_collection)		✓ Expand Expand
Inst	rument: Status (status)			∨ Expand Expand
Inst	rument: Event History (eve	nt_history)		∨ Expand Expand
Inst	rument: Consent (consent)			∨ Expand Expand
Inst	rument: Reconsent Backer	nd (reconsent_backend)		∨ Expand Expand
Inst	rument: Reconsent (reconse	ent) 🛂 Enabled as survey		∨ Expand Expand
Inst	rument: Recontact Update	(recontact_update) 🗗 Enabled as survey		∨ Expand Expand
Inst	rument: Alternate Contact	Update (alternate_contact_update) 🛂 Enabled a	as survey	∨ Expand Expand
Inst	rument: Health And Expos	ure Survey (health_and_exposure_survey)	abled as survey	✓ Expand Expand
Inst	rument: Adverse Event (ad	verse_event)		∨ Expand Expand
Inst	rument: WGS Spring 2019	(wgs_spring_2019)		∨ Expand Expand
Inst	rument: Redonate Spring 2	2019 (redonate_spring_2019)		∨ Expand Expand
Inst	rument: Redonate Remind	er Link (redonate_reminder_link) 📮 Enabled as s	urvey	∨ Expand Expand
Inst	rument: Diabetes Screener	(diabetes_screener)		∨ Expand Expand
Inst	rument: Eczema Screener	(eczema_screener) 🛂 Enabled as survey		∨ Expand Expand
Inst	rument: Right Not To Know	(Phase I) (right_not_to_know)	vey	∨ Expand Expand
Inst	rument: Ones Recruitment	(ones_recruitment) 🛂 Enabled as survey		∨ Expand Expand
Inst	rument: Right Not To Know	✓ Main (right_not_to_know_main)	urvey	∨ Expand Expand
Inst	rument: Covid19 Tracking	App (covid19_tracking_app)		✓ Expand Expand
Inst	rument: Exposome Invite f	or WGS (exposome_invite_for_wgs) 🛂 Enabled as	s survey	✓ Expand Expand
Inst	rument: Exposome for WG	S GIFT CARD SENDOUT (exposome_for_wgs_gift_ca	ard_sendout) 🛂 Enabled as survey	✓ Expand Expand
Inst	rument: Exposome Part A	(exposome_part_a) 🛂 Enabled as survey		✓ Expand Collapse

11/2021		Environmental Polymorphisms Registry	KE	осар 	
3793	expo_a_qx_strt	Section Header: A. Characteristics of Current and Past Residences The questions in this section ask about places where you currently live and where you lived in the past. Even if you cannot remember every detail, please answer to the best of your ability and provide as much information as you can. What is the full street address of the CHILDHOOD residence where you lived the LONGEST [that is, where did you live most of the time in your childhood (0-18 years of age)]? Please complete any information you remember. Survey Start Time		(datetime_mdy) I Annotation: @NOW @HIDDEN	
3794	a1_street	Street:	text Cust	om alignment: RH	
3795	a1_state	State:	drop	odown (autocomplete)	
		Select One	1	Alabama	
			2	Alaska	
			3	Arizona	
			4	Arkansas	
			5	California	
			6	Colorado	
			7	Connecticut	
			8	Delaware	
			51	District of Columbia(DC)	
			9	Florida	
			10	Georgia	
			11	Hawaii	
			12	Idaho	
			13	Illinois	
			14	Indiana	
			15	Iowa	
			16	Kansas	
			17	Kentucky	
			18	Louisiana	
			19	Maine	
			20	Maryland	
			21	Massachusetts	
			22	Michigan	
			23	Minnesota	
			24	Mississippi	
			25	Missouri	
			26	Montana	
			27	Nebraska	
			28	Nevada	
			29	New Hampshire	
			30	New Jersey	
			31	New Mexico	
			32	New York	
			33	North Carolina	
			34	North Dakota	
			35	Ohio	
			36	Oklahoma	
			37	Oregon	
			38	Pennsylvania	
			39	Rhode Island	
			40	South Carolina	
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			41 South Dakota
			42 Tennessee
			43 Texas
			44 Utah
			45 Vermont
			46 Virginia
			47 Washington
			48 West Virginia
			49 Wisconsin
			50 Wyoming
			52 Outside of US
			98 Don't know
			Custom alignment: RH
3796	a1_city	City:	text
			Custom alignment: RH
3797	a1_zip	Zip/Postal Code:	text (zipcode) Custom alignment: RH
3798	a1_prov	Province (if outside the US):	text
	Show the field ONLY if:		Custom alignment: RH
	[a1_state] = 52		
3799	a1_country	Country (if outside the US):	text Custom alignment: RH
	Show the field ONLY if: [a1_state] = 52		· ·
3800	a1a_begin	Section Header: Ages lived at this address? (Example: 6-18 years old). [ENTER "00" IF FROM BIRTH]	text (integer, Min: 0, Max: 105), Identifier Custom alignment: RH
		Age started living at this address? [Enter "00" if from birth] Years old	
3801	a1a_end	Age stopped living at this address? [Enter "00" if from birth] Years old	text (integer, Min: 0, Max: 105), Identifier Custom alignment: RH
3802	a1b	Section Header: Was this residence located in an urban, suburban, small	radio
		town, or rural area? Residence Location:	1 Urban (City)
		Trestactive Escations	2 Suburban
			3 Small Town
			4 Rural
			5 Other
			8 Don't know
			Custom alignment: LV
3803	a1b_spec	If other area, please specify:	text
	Show the field ONLY if:		Custom alignment: RH
	[a1b]='5'		
3804	a2_samea1	Section Header:	yesno
		Is the address of the residence where you lived the longest as an adult the same as the address you already listed above?	1 Yes
			0 No
			Custom alignment: LV
3805	a2_street	Section Header: What is the full street address of the residence where you lived	text
	Show the field ONLY if:	the longest as an adult? Street:	Custom alignment: RH
	[a2_samea1] <> 1		
3806	a2_city	City:	text Custom alignment: RH
	Show the field ONLY if: [a2_samea1] <> 1		cascom angrimenta reti
3807	a2_state	State :	dropdown (autocomplete)

Show the field ONLY if: [a2_samea1] <> 1

--- Select One ---

1 Alabama 2 Alaska 3 Arizona 4 Arkansas 5 California 6 Colorado 7 Connecticut 8 Delaware 51 District of Columbia(DC) 9 Florida 10 Georgia 11 Hawaii 12 Idaho 13 Illinois 14 Indiana 15 Iowa 16 Kansas 17 Kentucky 18 Louisiana 19 Maine 20 Maryland 21 Massachusetts 22 Michigan 23 Minnesota 24 Missouri 25 Missouri 26 Mortana 27 Nebraska 28 New Hampshire 30 New Hampshire 31 North Carolina	REDCap			
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			48 West Virginia
			49 Wisconsin
			50 Wyoming
			52 Outside of US
			98 Don't know
			Custom alignment: RH
3808	a2_zip	Zip/Postal Code:	text (zipcode)
	Show the field ONLY if: [a2_samea1] <> 1		Custom alignment: RH
3809	a2_prov	Province (if outside the US):	text
	Show the field ONLY if: [a2_state] = 52		Custom alignment: RH
3810	a2_country	Country (if outside of the US):	text Custom alignment: RH
	Show the field ONLY if: [a2_state] = 52		Custom angiment. NT
3811	a2a_begin	Section Header: Ages lived at this address? (Example: 19-60 years old) [ENTER "00" IF FROM BIRTH]	text (integer, Min: 0, Max: 105), Identifier Custom alignment: RH
		Age started living at this address? [Enter "00" if from birth] years old	Custom angiment. NT
3812	a2a_end	Age stopped living at this address? [Enter "00" if from birth] years old	text (integer, Min: 0, Max: 105), Identifier Custom alignment: RH
3813	a2b	Section Header: Is this residence located in an urban, suburban, small town, or rural area?	radio
		Residence Location:	1 Urban (City)
			2 Suburban
			3 Small Town
			4 Rural
			5 Other
			8 Don't know
			Custom alignment: LV
3814	a2b_spec	If other area, please specify:	text Custom alignment: RH
	Show the field ONLY if: [a2b]=5		
3815	a3_samea2	Section Header:	yesno
		Is the address of the residence where you lived the longest as an adult the same as the address you already listed above?	1 Yes
		arradult the same as the address you already listed above:	0 No
			Custom alignment: LV
3816	a3_street	Section Header: What is the full street address of your current/primary residence?	text
	Show the field ONLY if: [a3_samea2] <> 1	Street:	Custom alignment: RH
3817	a3_city	City:	text Custom alignment: RH
	Show the field ONLY if: [a3_samea2] <> 1		Custom alignment, kn
3818	a3_state	State: Select One	dropdown (autocomplete)
	Show the field ONLY if: [a3_samea2] <> 1		1 Alabama
	[a0_3amea2] > 1		2 Alaska
			3 Arizona
			4 Arkansas
			5 California 6 Colorado
			7 Connecticut
			/ Connecticut
1	•	1	

RE	REDCap			
8	Delaware			
51	District of Columbia(DC)			
9	Florida			
10	Georgia			
11	Hawaii			
12	Idaho			
13	Illinois			
14	Indiana			
15	Iowa			
16	Kansas			
17	Kentucky			
18	Louisiana			
19	Maine			
20	Maryland			
21	Massachusetts			
22	Michigan			
23	Minnesota			
24	Mississippi			
25	Missouri			
26	Montana			
27	Nebraska			
28	Nevada			
29	New Hampshire			
30	New Jersey			
31	New Mexico			
32	New York			
33	North Carolina			
34	North Dakota			
35	Ohio			
36	Oklahoma			
37	Oregon			
38	Pennsylvania			
39	Rhode Island			
40	South Carolina			
41	South Dakota			
42	Tennessee			
43	Texas			
44	Utah			
45	Vermont			
46	Virginia			
47	Washington			
48	West Virginia			
49	Wisconsin			
50	Wyoming			
52	Outside of US			
98	Don't know			
c	an alianzant DU			
Custom alignment: RH				

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3819	a3_zip Show the field ONLY if: [a3_samea2] <> 1	Zip/Postal Code:	text (zipcode) Custom alignment: RH
3820	a3_prov Show the field ONLY if: [a3_state] = 52	Province (if outside the US):	text Custom alignment: RH
3821	a3_country Show the field ONLY if: [a3_state] = 52	Country (if outside the US):	text Custom alignment: RH
3822	a4_month	Section Header: What month and year did you start living in your current residence? Month started living in your current residence: Select One	dropdown 1 January 2 February 3 March 4 April 5 May 6 June 7 July 8 August 9 September 10 October 11 November 12 December Custom alignment: RH
3823	a4_year	Year start living in your current residence: Year	text (integer, Min: 1920, Max: 2021) Custom alignment: RH
3824	a5	Section Header: Is this residence located in an urban, suburban, small town, or rural area? Residence Location:	radio 1 Urban (City) 2 Suburban 3 Small Town 4 Rural 5 Other 8 Don't know Custom alignment: LV
3825	a5_spec Show the field ONLY if: [a5]=5	If other area, please specify:	text Custom alignment: RH
3826	a6	Section Header: The remaining questions in this section ask about your current residence. Which of the following best describes your current residence?	radio 1 Detached house 2 Duplex/Triplex 3 Row house/Town house 4 Low rise apartment or condo (1-3 floors) 5 High rise apartment or condo (more than 3 floors) 6 Mobile home/Trailer 7 Other Custom alignment: LV
3827	a6_spec Show the field ONLY if: [a6]=7	If other type of residence, please specify:	text Custom alignment: RH

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3828	a7_age	Section Header: What is the approximate age of your residence? Age of your residence: years old	text (integer, Min: 0, Max: 217) Custom alignment: RH
3829	a7_year	Year your residence was built: Year	text (integer, Min: 1800, Max: 2021) Custom alignment: RH
3830	a8	Section Header: Heating: The following questions ask about how you heat your current residence. Does your current residence have a central heating system with ducts that blow air into most rooms?	yesno 1 Yes 0 No Custom alignment: LV
3831	a9_start	During which month do you usually start using heating devices? SELECT THE START MONTH BELOW Select One	dropdown (autocomplete) 1 January 2 February 3 March 4 April 5 May 6 June 7 July 8 August 9 September 10 October 11 November 12 December Custom alignment: LH
3832	a9_stop	During which month do you usually stop using heating devices? SELECT THE STOP MONTH BELOW. Select One	dropdown (autocomplete) 1 January 2 February 3 March 4 April 5 May 6 June 7 July 8 August 9 September 10 October 11 November 12 December Custom alignment: LH

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3833	a11	Which fuels are used for heating your residence? (CHOOSE ALL THAT APPLY)	checkbox 01 a1101 Natural gas serviced by a utility
			company 02 a1102 Gas: bottled, tank or liquid propane
			03 a1103 Electricity
			04 a1104 Fuel oil or kerosene
			05 a1105 Coal or coke made from coal
			06 a1106 Wood
			07 a1107 Solar energy
			08 a1108 Other fuel
			09 a1109 No fuel used
			98 a1198 Don't know
			Custom alignment: LV
3834	a11_08_spec	If other fuel is used for heating, please specify:	text
	Show the field ONLY if: [a11(08)]=1		Custom alignment: RH
3835	a12	Is there a fireplace or wood-burning stove inside this	yesno
		residence?	1 Yes
			0 No
			Custom alignment: LV
3836	a13_days	About how many days per year do you use a fireplace and/or	text (integer, Min: 0, Max: 365)
	Show the field ONLY if: [a12] =1	wood-burning stove at this residence? [IF LESS THAN ONE DAY PER YEAR, ENTER "0"] days per year	Custom alignment: LH
3837	a14	What kind of fuel do you burn in the fireplace and/or stove?	checkbox
	Show the field ONLY if:	[CHOOSE ALL THAT APPLY]	01 a1401 Wood
	[a12] = 1		02 a1402 Coal
			03 a1403 Natural gas or propane
			04 a1404 Artificial logs
			05 a1405 Other fuel
			Custom alignment: LV
3838	a14_05_spec	If other fuel is burned in the fireplace/stove, please specify:	text
	Show the field ONLY if:		Custom alignment: RH
	[a14(05)]=1		
3839	a15	What is the energy source for the cooking stove top or range	checkbox
		top? [CHOOSE ALL THAT APPLY]	01 a1501 Electricity
			02 a1502 Natural gas
			03 a1503 Wood fire
			04 a1504 Coal
			05 a1505 Propane
			06 a1506 Other
3840	a15_06_spec	If other energy source, please specify:	Custom alignment: LV text
	Show the field ONLY if: [a15(06)]=1		Custom alignment: RH
3841		Section Header: Cooling: The following questions ask about how you cool your	yesno
		current residence.	1 Yes
		Do you use air conditioning to cool your current residence?	0 No
			Custom alignment: LV

3842	a17	Which type of air conditioning units do you use? [CHOOSE ALL	checkbox
	Show the field ONLY if:	THAT APPLY]	01 a1701 Central unit(s)
	[a16] =1		02 a1702 Window or wall unit(s)
			03 a1703 Portable unit(s)
			Custom alignment: LV
3843	a17a_start	During which month do you usually start using air conditioning	dropdown (autocomplete)
	Show the field ONLY if:	to cool your residence? Select One	1 January
	[a16] =1	Select one	2 February
			3 March
			4 April
			5 May
			6 June
			7 July
			8 August
			9 September
			10 October
			11 November
			12 December
			Custom alignment: LH
3844	a17b_stop	During which month do you usually stop using air	dropdown (autocomplete)
3044	Show the field ONLY if:	conditioning?	1 January
	[a16]=1	Select One	2 February
			3 March
			4 April
			5 May
			6 June
			7 July
			8 August
			9 September
			10 October
			11 November
			12 December
	-40	Continuit I and an illustration and Community The Cities in	Custom alignment: LH
3845	l a i 8	Section Header: Water and Dampness: The following questions ask about water in your current residence.	radio 1 City or town water
		What is your current residence's main source of drinking	2 Community well
		water?	3 Private well
			4 Rain water or cistern
			5 River, lake, or pond water
			6 Bottled water
			7 Don't drink water
		<u> </u>	Custom alignment: LV
3846	a19 	Do you use a filtering system (e.g. Brita, PUR, Culligan, etc.), not including water-softening system?	yesno 1 Yes
			I
			0 No
			Custom alignment: LV

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3847	a20	What is your main water source for showering and bathing?	radio 1 City or town water
			2 Community well
			3 Private well
			4 Rain water or cistern
			5 River, lake, or pond water
			6 Bottled water
22.40			Custom alignment: LV
3848	a21_showers	How many showers do you take per month, on average? (Note: If you do not take showers, please choose response "I do not take showers". Do not enter 0.) Showers per month	text (integer, Min: 1, Max: 99) Custom alignment: LH
3849	a21_noshower		checkbox
			1 a21_noshower1 I do not take showers
			Custom alignment: LV
3850	a21a_minutes	About how many minutes, on average, do you spend each time	text (integer, Min: 1, Max: 90)
	Show the field ONLY if:	you take a shower?	Custom alignment: LH
	[a21_showers] > 0		
3851	a22_bath	How many baths do you take per month, on average? (Note: If you do not take baths, please choose the response "I do not take baths". Do not enter 0.) Baths per month	text (integer, Min: 1, Max: 99) Custom alignment: LH
3852	a22_nobath		checkbox
			1 a22_nobath1 l do not take baths
			Custom alignment: LV
3853	a22a_minutes	About how many minutes, on average, do you spend each time	text (integer, Min: 1, Max: 120)
	Show the field ONLY if:	you take a bath?	Custom alignment: LH
	[a22_bath] > 0	minutes (e.g., 5 minutes)	
3854	a23	During the past 12 months, has there been water or dampness	radio
		in your residence from broken pipes, leaks, heavy rain, or flood?	1 Yes
			0 No
			8 Don't know
			Custom alignment: LV
3855	a24_weeks	How many weeks in the last 52 weeks (1 year) has your	text (integer, Min: 0, Max: 52)
		residence had a mildew odor or musty smell? [ENTER "00" IF LESS THAN ONE WEEK IN THE LAST YEAR] Weeks	Custom alignment: LH
3856	a24a	Where was the mildew odor or musty smell in your residence?	checkbox
	Show the field ONLY if:	[CHOOSE ALL THAT APPLY]	01 a24a01 Kitchen
	[a24_weeks] > 0		02 a24a02 Bathroom(s)
			03 a24a03 Bedroom(s)
			04 a24a04 Living room
			05 a24a05 Basement
			06 a24a06 Crawl space(s)
			07 a24a07 Duct(s)
			08 a24a08 None of the above
			Custom alignments IV
			Custom alignment: LV

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3857	a25	During the time you have lived there, have there been renovations or repairs (due to moisture damage) in your residence?	yesno 1 Yes 0 No Custom alignment: LV
3858	a25a Show the field ONLY if: [a25]=1	When was the renovation or repair (because of moisture damage in your residence) completed?	radio 1 During the past 12 months 2 1-3 years ago 3 More than 3 years ago 8 Don't know
3859	a25b	How many weeks in the past 52 weeks (1 year) have you noticed mold in your residence? [ENTER "00" IF LESS THAN ONE WEEK IN THE LAST YEAR] Weeks	Custom alignment: LV text (integer, Min: 0, Max: 52) Custom alignment: LH
3860	a25c Show the field ONLY if: [a25b]>'0'	Where was the mold in your residence? [CHOOSE ALL THAT APPLY]	checkbox 01 a25c01 Kitchen 02 a25c02 Bathroom(s) 03 a25c03 Bedroom(s) 04 a25c04 Living room 05 a25c05 Basement 06 a25c06 Crawl space(s) 07 a25c07 Duct(s) 08 a25c08 None of the above
3861	a25d	On average, how often is a HEPA filter used in your residence?	radio 1 Daily 2 Weekly 3 Once or twice a month 4 Less than once per month 5 Never Custom alignment: LV
3862	a25e	On average, how often is your residence vacuumed?	radio 1 Daily 2 Weekly 3 Once or twice a month 4 Less than once per month 5 Never Custom alignment: LV
3863	a26	Section Header: Walls and Flooring: The following questions ask about the walls and flooring in your current residence. Other than for moisture damage, has there been painting, wall-papering or floor refinishing in your current residence during the past 12 months?	yesno 1 Yes 0 No Custom alignment: LV

3864	a26a	, ,	checkbox
	Show the field ONLY if: [a26] = 1	ILY if: past 12 months? [CHOOSE ALL THAT APPLY]	01 a26a01 Painting, less than half of the walls area
			02 a26a02 Painting, at least half of the walls area
			03 a26a03 Wall-papering, less than half of the wall area
			04 a26a04 Wall-papering, at least half of the wall area
			05 a26a05 Floor refinishing
			06 a26a06 Use of floor putty
			Custom alignment: LV
3865	a27	Do you have wall-to-wall carpeting in your residence?	yesno . l
			1 Yes
			0 No
			Custom alignment: LV
3866	a27a	How much of the floor area is carpeted?	radio
	Show the field ONLY if:		1 Less than half of the floor area
	[a27] = 1		2 At least half of the floor area
			Custom alignment: LV
3867	a28	Some floor materials are made of plastic or vinyl, including but	yesno
		not limited to laminate flooring such as Pergo (faux wood floors) and linoleum. Excluding the bathroom, is any floor	1 Yes
		material in your residence plastic/vinyl?	0 No
			Custom alignment: LV
3868	a28a	How much of the floor area is plastic/vinyl?	radio
	Show the field ONLY if:		1 Less than half of the floor area
	[a28] = 1		2 At least half of the floor area
			Custom alignment: LV
3869	a29	Is any of the wall material in your residence textile (cloth, fiber	yesno
		wallpaper, etc.)? Do not include curtains.	1 Yes
			0 No
			Custom alignment: LV
3870	a29a	How much of the wall material is textile (cloth, fiber wallpaper,	radio
	Show the field ONLY if:	etc.)? Do not include curtains.	1 Less than half of the wall surface area
	[a29] = 1		2 At least half of the wall surface area
			Custom alignment: LV
3871	a30	Excluding the bathroom, is any of the wall material in your	yesno
		residence plastic?	1 Yes
			O No
			Custom alignment: LV
3872	a30a	How much of the wall material is plastic?	radio
	Show the field ONLY if:		1 Less than half of the wall surface area
	[a30] = 1		2 At least half of the wall surface area
			Custom alignment: LV

1/2021		Environmental Polymorphisms Registry	REDCap
3873	a31	Section Header: Garage and Basement: The following questions ask about garages and basement in your current residence. Is there an enclosed garage attached to your current residence?	yesno 1 Yes 0 No
			Custom alignment: LV
3874	a31a Show the field ONLY if: [a31] = 1	Are automobile, vans, trucks or other motor vehicles parked in this attached garage?	yesno 1 Yes 0 No
			Custom alignment: LV
3875	a32	Does your residence have a basement or crawl space? [CHOOSE ALL THAT APPLY]	checkbox 01 a3201 Yes, Basement 02 a3202 Yes, Crawl space
			03 a3203 No basement or crawl space
			Custom alignment: LV
3876	a33	Not including cars, vans, or trucks are any gas powered devices stored in any room, basement, crawl space or attached garage in your residence? (For example, motorcycles, lawnmowers, trimmers or blowers, boat engines, etc.)	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
3877	a34	Section Header: Pets: The following questions ask about pets in your current residence. In the last 12 months, did any dogs, cats or other small furry animals, such as a rabbit, guinea pig or hamster, live or spend time inside your current residence?	yesno 1 Yes 0 No Custom alignment: LV
3878	a34a Show the field ONLY if: [a34] = 1	What kind of pet was it? [CHOOSE ALL THAT APPLY]	checkbox 01 a34a01 Dog 02 a34a02 Cat 03 a34a03 Other 08 a34a08 Don't know Custom alignment: LV
3879	a34a_03_spec Show the field ONLY if: [a34a(03)] = 1	If other pet, please specify:	text Custom alignment: RH
3880	a35	Section Header: Pesticides and Insecticides: The following questions ask about pesticide and insecticide used in your current residence. During the time you have been in your current residence, has your residence ever been treated regularly with insecticides or pesticides, either by you or someone else? [DO NOT INCLUDE THE OCCASIONAL SPOT USE OF CHEMICALS]	radio 1 Yes 0 No 8 Don't know Custom alignment: LV

3881	a35a	For what kinds of pests was this residence regularly treated	checkbox
	Show the field ONLY if:	[CHOOSE ALL THAT APPLY]	01 a35a01 Ants
	[a35] = 1		02 a35a02 Cockroaches
			03 a35a03 Bees or wasps
			04 a35a04 Flies
			05 a35a05 Spiders
			06 a35a06 Mosquitoes
			07 a35a07 Fleas or ticks, not on pets
			08 a35a08 Termites
			09 a35a09 Any other pests, such as moths, silver fish, caterpillars, mice, rats, gophers, or moles.
			Custom alignment: LV
3882	a35a_09_spec	If any other pests, please specify:	text
	Show the field ONLY if: [a35a(09)] = 1		Custom alignment: RH
3883	a35b	Altogether, how often were pest control chemicals applied on average? [COMBINED FREQUENCY OF ALL APPLICATION]	radio
	Show the field ONLY if: [a35]= 1	average: [COMBINED PREQUENCY OF ALL APPLICATION]	1 Daily
	[833]- 1		2 Weekly
			3 Monthly
			4 Every 2 or 3 months
			5 Every 4 or 5 months
			6 Once or twice a year
			Custom alignment: LV
3884	a35c Show the field ONLY if: [a35] = 1	you personally apply them?	radio
			1 All the time
	[455] - 1		2 About half of the time
			3 Some of the time 4 Never
			4 Never
			Custom alignment: LV
3885	a35d	How many years in total did these regular pest control	text (integer, Min: 0, Max: 105)
	Show the field ONLY if: [a35] = 1	treatments occur? [IF LESS THAN ONE YEAR, ENTER "00"] years	Custom alignment: LH
3886	a36	Section Header: Surrounding Area: The following questions ask about the area surrounding your current residence.	radio
		How would you describe the traffic on the road in front of your	1 Very light/none
		current residence during rush hour?	2 Light
			3 Moderate
			4 Heavy
			5 Very heavy
			Custom alignment: LV
3887	a37	Not including the road in front of your residence, is your residence within two miles of a heavy traveled road?	yesno
		residence within two miles of a fleavy traveled foad?	1 Yes
			0 No
			Custom alignment: LV

11/2021		Environmental Polymorphisms Registry	INLUCAP
3888	a38a	Section Header: The next set of questions ask about how close you currently live to various types of businesses. PLEASE SELECT THE APPROPRIATE DISTANCE	radio (Matrix)
		FOR EACH TYPE OF BUSINESS	1 Live more than 2 miles away
		Animal waste lagoon	2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3889	a38b	Bus station/truck depot	radio (Matrix)
			1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3890	a38c	Commercial airport	radio (Matrix)
			1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3891	a38d	Dry cleaner	radio (Matrix)
			1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3892	a38f	Farm	radio (Matrix)
3032	4301		1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3803	a38g	Gas station	radio (Matrix)
3033	u30g	dus station	1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
2004	-206	Colf course	
3894	a38h	Golf course	radio (Matrix) 1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
22	201		
3895	a38i	Greenhouse or commercial nursery	radio (Matrix)
			1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know

11/2021		Environmental Polymorphisms Registry	TILEBOOD
3896	a38j	Hazardous waste site	radio (Matrix)
			1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3897	a38k	High-tension power lines	radio (Matrix)
			1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
2000	- 201	In the same of	
3898	a38I	Incinerator	radio (Matrix) 1 Live more than 2 miles away
			
			
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3899	a38m	Landfill or garbage dump	radio (Matrix)
			1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3900	a38n	Leather tannery	radio (Matrix)
			1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3901	a38o	Military base	radio (Matrix)
3501	4366	William Sase	1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3902	a38p	Oil refinery	radio (Matrix)
			1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
3903	a38q	Paper mill	radio (Matrix)
			1 Live more than 2 miles away
			2 Live within 2 miles but more than 1 mile away
			3 Live within 1 mile but more than 1/4 mile away
			4 Live within 1/4 mile or less
			8 Don't know
		<u> </u>	1——

Poulty processing plant				· · · · · · · · · · · · · · · · · · ·
2 Lew within 1 mile but more than 1 mile away 2 Lew within 1 mile but more than 14 mile away 4 Lew within 1 mile but more than 14 mile away 4 Lew within 1 mile but more than 14 mile away 5 Lew within 2 miles but more than 14 mile away 7 Lew within 2 miles but more than 14 mile away 7 Lew within 1 mile but more than 14 mile away 8 Bort know 8 Bort know 9 Lew within 1 mile but more than 14 mile away 9 Lew within 1 mile	3904	a38r	Poultry processing plant	radio (Matrix)
				1 Live more than 2 miles away
Part				2 Live within 2 miles but more than 1 mile away
				3 Live within 1 mile but more than 1/4 mile away
Section Peace of Power generation plants Coal				4 Live within 1/4 mile or less
1				8 Don't know
1	3905	a38s 01	Section Header: Power generation plants	radio (Matrix)
Second S				
Second S				2 Live within 2 miles but more than 1 mile away
Section Sect				
Section Popular Popu				
Second S				
1				
Per	3906	a38s_02	Gas	
Section Personal				
Section Petroleum/oil Pe				
Section Header Agricultural Property Use: The following questions ask about a fair and in a control of the property your current residence is on a fair mor or chard during the 20 years before you began living a control on to control on the control of the control of the control on the control of the cont				
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Pack	3907	a38s_03	Petroleum/oil	radio (Matrix)
Section Header, Agricultural Property Use: The Following questions ask about historical agricultural Property Use: The Following questions ask about historical agricultural property used as a farm or or chard during the 20 years before you began living more within 1.4 mile but more than 1.4 mile away 1 Ves Ve				1 Live more than 2 miles away
A companies of the co				2 Live within 2 miles but more than 1 mile away
Bont know Bont				3 Live within 1 mile but more than 1/4 mile away
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Place specify the type of factory: Show the field ONLY if: [a38e] < ") and (a38e] < 1) Section Header: Agricultural Property Use: The following questions ask about and (a38e] < 1) To the best of your knowledge, was this property used as a farm or orchard during the 20 years before you began living the result in the part of the property used as a farm or orchard during the 20 years before you began living the part of the part of the part of the part of the property used as a farm or orchard during the 20 years before you began living the part of the part of the part of the part of the property used as a farm or orchard during the 20 years before you began living the part of	3908	a38s_04	Nuclear	radio (Matrix)
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3919 a38e Factory Factory Type of factory: 3910 a38e_spec Show the field ONLY if: ([a38e] \left\times ')' and ([a38e] \left\times ')' and ([a38e] \left\times ')' and ([a38e] \left\times ')' and ([a38e] \left\times ') and ([a38e] \left\t				4 Live within 1/4 mile or less
3919 a38e Factory Factory Type of factory: 3910 a38e_spec Show the field ONLY if: ([a38e] \left\times ')' and ([a38e] \left\times ')' and ([a38e] \left\times ')' and ([a38e] \left\times ')' and ([a38e] \left\times ') and ([a38e] \left\t				8 Don't know
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3 Live within 1 mile but more than 1/4 mile away 4 Live within 1/4 mile or less 8 Don't know 3910 a38e_spec Show the field ONLY if: ([a38e] <> ") and ([a38e] <> 8) and ([a38e] <> 1) 3911 a41 Section Header: Agricultural Property Use: The following questions ask about historical agricultural land use for the property your current residence is on. To the best of your knowledge, was this property used as a farm or orchard during the 20 years before you began living there? Type of factory: 1 Yes 0 No 1 Yes 0 No 1 Don't know				
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3910 a38e_spec Show the field ONLY if: ([a38e] <> '') and ([a38e] <> 8) and ([a38e] <> 1) Section Header: Agricultural Property Use: The following questions ask about historical agricultural land use for the property your current residence is on. To the best of your knowledge, was this property used as a farm or orchard during the 20 years before you began living there? Please specify the type of factory: text Custom alignment: RH radio 1 Yes 0 No 8 Don't know				
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and ([a38e] <> 1) Section Header: Agricultural Property Use: The following questions ask about historical agricultural land use for the property your current residence is on. To the best of your knowledge, was this property used as a farm or orchard during the 20 years before you began living there? To the best of your knowledge, was this property used as a farm or orchard during the 20 years before you began living there? To the best of your knowledge, was this property used as a farm or orchard during the 20 years before you began living the 20 years befo			91939	eastorn ungriment IKH
3911 a41 Section Header: Agricultural Property Use: The following questions ask about historical agricultural land use for the property your current residence is on. To the best of your knowledge, was this property used as a farm or orchard during the 20 years before you began living there? Table 1 Yes No No 8 Don't know				
historical agricultural land use for the property your current residence is on. To the best of your knowledge, was this property used as a farm or orchard during the 20 years before you began living there? 1 Yes 0 No 8 Don't know	3911		Section Header: Agricultural Property Use: The following questions ask about	radio
farm or orchard during the 20 years before you began living there? 0 No 8 Don't know			historical agricultural land use for the property your current residence is on.	
there? 8 Don't know				0 No
				8 Don't know
Custom alignment: LV				
				Custom alignment: LV

3912	a40	Has this property been used as a farm or orchard for any of the time you have been living there?	yesno 1 Yes 0 No Custom alignment: LV
3913	a39 Show the field ONLY if: [a40] = 1	Is your residence on an active farm or orchard? (Do not include small, personal gardens).	yesno 1 Yes 0 No Custom alignment: LV
3914	b1a	Section Header: B. Chemical and Metal Exposures at Work In this section, we	checkbox, Required
		ask about substances you may have ever been exposed to at work. By "exposed," we mean that you have come into contact with a substance through	01 b1a01 Benzene
		breathing it in, touching it, swallowing it, or being around the substance in a past or present job. Do not include contact with sealed containers of a	02 b1a02 Chloroform
		substance as an exposure. Solvents and Degreasers	03 b1a03 Chloroprene
		Please select any solvents and degreasers you have ever been exposed to for 15 minutes a week or more in any job you have	04 b1a04 Dichlorobenzene
		held. Do not include contact with sealed containers of solvents	05 b1a05 Ethyl benzene
		and degreasers. [CHOOSE ALL THAT APPLY]	06 b1a06 Ethylene dichloride
		By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it or being around	07 b1a07 Perchloroethylene (tetrachloroethylene)
		the substance.	08 b1a08 Toluene
			09 b1a09 Trichloroethylene
			10 b1a10 Xylenes
			11 b1a11 Other
			98 b1a98 Don't know
			00 b1a00 None of these
			Custom alignment: LV
3915	b1a_11_spc	If other substance, please specify:	text
	Show the field ONLY if: [b1a(11)] = 1		Custom alignment: LH
3916	b2a Show the field ONLY if: ([b1a(01)] = 1) or ([b1a(02)] = 1) or ([b1a(03)] = 1) or ([b1a(0 4)] = 1) or ([b1a(05)] = 1) or ([b 1a(06)] = 1) or ([b1a(07)] = 1) or ([b1a(08)] = 1) or ([b1a(09)] = 1) or ([b1a(10)] = 1) or ([b1a (11)] = 1)	Overall, how many years did you work in jobs in which you were exposed to solvents and degreasers for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
3917	b3a Show the field ONLY if: ([b1a(01)] = 1) or ([b1a(02)] = 1) or ([b1a(03)] = 1) or ([b1a(0 4)] = 1) or ([b1a(05)] = 1) or ([b 1a(06)] = 1) or ([b1a(07)] = 1) or ([b1a(08)] = 1) or ([b1a(09)] = 1) or ([b1a(10)] = 1) or ([b1a (11)] = 1)	When you were exposed to solvents and degreasers at work, how often were you exposed?	radio 1 Daily 2 At least once per week 3 At least once per month 4 At least once per year Custom alignment: LV
3918	b4a Show the field ONLY if: ([b1a(01)] = 1) or ([b1a(02)] = 1) or ([b1a(03)] = 1) or ([b1a(0 4)] = 1) or ([b1a(05)] = 1) or ([b 1a(06)] = 1) or ([b1a(07)] = 1) or ([b1a(08)] = 1) or ([b1a(09)] = 1) or ([b1a(10)] = 1) or ([b1a(11)] = 1)	Did you experience any health problems from being exposed to solvents and degreasers?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV

3919	b5xa_start	What year did you START being exposed to solvents and degreasers in any job you have held?	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
	Show the field ONLY if: [b2a] <> "	Year	· ·
3920	b5xa_stop	What year did you STOP being exposed to solvents and degreasers in any job you have held?	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
	Show the field ONLY if: [b2a] <> " and [b5xa_ongoing (1)] <> '1'	Year	C C C C C C C C C C C C C C C C C C C
3921	b5xa_stop_2	What year did you STOP being exposed to solvents and degreasers in any job you have held?	descriptive
	Show the field ONLY if: [b5xa_ongoing(1)] = '1'	Year	
3922	b5xa_ongoing		checkbox
	Show the field ONLY if: [b2a] <> " and [b5xa_stop]="		1 b5xa_ongoing1 Still exposed Custom alignment: LV
3923	b1b	Section Header: Lubricating Oils	checkbox, Required
		Please select any lubricating oils you have ever been exposed to for 15 minutes a week or more in any job you have held. Do	01 b1b01 Brake fluid
		not include contact with sealed containers of lubricating oils.	02 b1b02 Transmission fluid
		[CHOOSE ALL THAT APPLY]	03 b1b03 Hydraulic fluid
		By "exposed," we mean that you have come into contact with a	04 b1b04 Motor oil
		substance through breathing it in, touching it, swallowing it or being around the substance.	05 b1b05 Other lubricating oils
			98 b1b_98 Don't know
			00 b1b00 None of these
			Custom alignment: LV
3924	b1b_05_spec	If other lubricating oils, please specify:	text
	Show the field ONLY if: [b1b(05)] = 1		Custom alignment: LH
3925	b2b Show the field ONLY if: ([b1b(01)] = 1) or ([b1b(02)] = 1) or ([b1b(03)] = 1) or ([b1b(04)] = 1) or ([b1b(05)] = 1)	Overall, how many years did you work in jobs in which you were exposed to lubricating oils for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
3926	b3b	When you were exposed to lubricating oils at work, how often	radio
	Show the field ONLY if:	were you exposed?	1 Daily
	([b1b(01)] = 1) or ([b1b(02)] = 1) or ([b1b(03)] = 1) or ([b1b(0 4)] = 1) or ([b1b(05)] = 1)		2 At least once per week
			3 At least once per month
			4 At least once per year
			Custom alignment: LV
3927	b4b	Did you experience any health problems from being exposed	radio
	Show the field ONLY if:	to lubricating oils?	1 Yes
	([b1b(01)] = 1) or ([b1b(02)] = 1) or ([b1b(03)] = 1) or ([b1b(0		0 No
	4)] = 1) or ([b1b(05)] = 1)		8 Don't know
			Custom alignment: LV
3928	b5xb_start	What year did you START being exposed to lubricating oils in	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if: [b2b] <> "	any job you have held? Year	Custom alignment: LV
3929	b5xb_stop	What year did you STOP being exposed to lubricating oils in any job you have held?	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if: [b2b] <> "	Year	Custom alignment: LH
3930	b5xb_stop_2	What year did you STOP being exposed to lubricating oils in	descriptive
	Show the field ONLY if: [b5xb_ongoing(1)] = '1'	any job you have held? Year	

3031	b5xb_ongoing		checkbox
	Show the field ONLY if: [b2b] <> " and [b5xb_stop]="		1 b5xb_ongoing1 Still exposed
			Custom alignment: LV
3932	b1c	Section Header: Cleaning Liquids	checkbox, Required
		Please select any cleaning liquids you have ever been exposed	01 b1c01 Chlorine bleach
		to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY]	02 b1c02 Ammonia
			03 b1c03 Carbon tetrachloride
		By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or	04 b1c04 Other cleaning liquids
		being around the substance.	98 b1c98 Don't know
			00 b1c00 None of these
			Custom alignment: LV
3933	b1c_04_spec	If other cleaning liquids, please specify:	text Custom alignment: LH
	Show the field ONLY if: [b1c(04)] = 1		eustern digiment. En
3934	b2c	Overall, how many years did you work in jobs in which you	text (integer, Min: 0, Max: 105)
	Show the field ONLY if:	were exposed to cleaning liquids for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"]	Custom alignment: LH
	([b1c(01)] = 1) or ([b1c(02)] = 1) or ([b1c(03)] = 1) or ([b1c(0	years	
	4)] = 1)		
3935	b3c	When you were exposed to cleaning liquids at work, how often	radio
	Show the field ONLY if:	= 1) or ([b1c(02)] =	1 Daily
	([b1c(01)] = 1) or ([b1c(02)] = 1) or ([b1		2 At least once per week
	1) or ([b1c(03)] = 1) or ([b1c(0 4)] = 1)		3 At least once per month
			4 At least once per year
			Custom alignment: LV
3936	b4c	Did you experience any health problems from being exposed	radio
	Show the field ONLY if:	to cleaning liquids?	1 Yes
	([b1c(01)] = 1) or ([b1c(02)] = 1) or ([b1c(03)] = 1) or ([b1c(0		0 No
	4)] = 1)		8 Don't know
			Custom alignment: LV
3937	b5xc_start	What year did you START being exposed to cleaning liquids in	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if: [b2c] <> "	any job you have held? years	Custom alignment: LH
3938	b5xc_stop	What year did you STOP being exposed to cleaning liquids in	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if:	any job you have held? Year	Custom alignment: LH
	[b2c] <> " and [b5xc_ongoing (1)]<>'1'		
3939	b5xc_stop_2	What year did you STOP being exposed to cleaning liquids in	descriptive
	Show the field ONLY if: [b5xc_ongoing(1)]='1'	any job you have held? Year	
3940	b5xc_ongoing		checkbox
	Show the field ONLY if:		1 b5xc_ongoing1 Still exposed
	[b2c] <> " and [b5xc_stop]="		Custom alignments IV
			Custom alignment: LV

3941	b1d	Section Header: <i>Heavy Metals</i> Please select any heavy metals you have ever been exposed to	checkbox, Required 01 b1d 01 Arsenic
		for 15 minutes a week or more in any job you have held	02 b1d02 Beryllium
		[CHOOSE ALL THAT APPLY]	03 b1d 03 Cadmium
		By "exposed," we mean that you have come into contact with a	04 b1d 04 Chromates
		substance through breathing it in, touching it, swallowing it or being around the substance.	05 b1d05 Lead
			06 b1d06 Mercury
			07 b1d07 Nickel
			08 b1d08 Other heavy metals
			98 b1d98 Don't known
			00 b1d00 None of these
			Custom alignment: LV
3942	b1d_08_spec	If other heavy metals, please specify:	text Custom alignment: LH
	Show the field ONLY if: [b1d(08)] = 1		Custom diigimenti 211
3943	b2d	Overall, how many years did you work in jobs in which you were exposed to heavy metals for 15 minutes a week or more?	text (integer, Min: 0, Max: 105) Custom alignment: LH
	Show the field ONLY if: ([b1d(01)] = 1) or ([b1d(02)] =	[IF LESS THAN ONE YEAR, ENTER "00"]	Custom alignment: LH
	1) or ([b1d(03)] = 1) or ([b1d(0	years	
	4)] = 1) or ([b1d(05)] = 1) or ([b 1d(06)] = 1) or ([b1d(07)] = 1)		
	or ([b1d(08)] = 1)		
3944	b3d	When you were exposed to heavy metals at work, how often were you exposed?	radio
	Show the field ONLY if: ([b1d(01)] = 1) or ([b1d(02)] =	were you exposed?	1 Daily
	1) or ([b1d(03)] = 1) or ([b1d(0		2 At least once per week
	4)] = 1) or ([b1d(05)] = 1) or ([b 1d(06)] = 1) or ([b1d(07)] = 1)		3 At least once per month 4 At least once per year
	or ([b1d(08)] = 1)		
2045	LAJ	Did for a single service and the service	Custom alignment: LV
3945	Show the field ONLY if:	Did you experience any health problems from being exposed to heavy metals?	radio 1 Yes
	([b1d(01)] = 1) or ([b1d(02)] =		0 No
	1) or ([b1d(03)] = 1) or ([b1d(0 4)] = 1) or ([b1d(05)] = 1) or ([b		8 Don't know
	1d(06)] = 1) or ([b1d(07)] = 1) or ([b1d(08)] = 1)		Custom alignment: LV
3946	b5xd_start	What year did you START being exposed to heavy metals in any	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if:	job you have held?	Custom alignment: LH
	[b2d] <> "	Year	
3947	b5xd_stop	What year did you STOP being exposed to heavy metals in any job you have held?	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
	Show the field ONLY if: [b2d] <> " and [b5xd_ongoing	Year	Custom alignment. Lit
	(1)]<>'1'		
3948	b5xd_stop_2	What year did you STOP being exposed to heavy metals in any	descriptive
	Show the field ONLY if: [b5xd_ongoing(1)]='1'	job you have held? Year	
3949	b5xd_ongoing		checkbox
	Show the field ONLY if: [b2d] <> " and [b5xd_stop]="		1 b5xd_ongoing1 Still exposed
	[ozu] >> and [oɔxu_stob]=		Custom alignment: LV
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3950	b1e	Section Header: Alcohols Please select any alcohols you have ever been exposed to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY] By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or being around the substance.	checkbox, Required 01
3951	b1e_05_spec Show the field ONLY if: [b1e(05)] = 1	If other alcohols, please specify:	text Custom alignment: LH
3952	b2e Show the field ONLY if: ([b1e(01)] = 1) or ([b1e(02)] = 1) or ([b1e(03)] = 1) or ([b1e(0 4)] = 1) or ([b1e(05)] = 1)	Overall, how many years did you work in jobs in which you were exposed to alcohols for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
3953	b3e Show the field ONLY if: ([b1e(01)] = 1) or ([b1e(02)] = 1) or ([b1e(03)] = 1) or ([b1e(0 4)] = 1) or ([b1e(05)] = 1)	When you were exposed to alcohols at work, how often were you exposed?	radio 1 Daily 2 At least once per week 3 At least once per month 4 At least once per year Custom alignment: LV
3954	b4e Show the field ONLY if: ([b1e(01)] = 1) or ([b1e(02)] = 1) or ([b1e(03)] = 1) or ([b1e(0 4)] = 1) or ([b1e(05)] = 1)	Did you experience any health problems from being exposed to alcohols?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
3955	b5xe_start Show the field ONLY if: [b2e] <> "	What year did you START being exposed to alcohols in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
3956	b5xe_stop Show the field ONLY if: [b2e] <> " and [b5xe_ongoing (1)]<>'1'	What year did you STOP being exposed to alcohols in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
3957	b5xe_stop_2 Show the field ONLY if: [b5xe_ongoing(1)]='1'	What year did you STOP being exposed to alcohols in any job you have held? Year	descriptive
3958	b5xe_ongoing Show the field ONLY if: [b2e] <> " and [b5xe_stop]="		checkbox 1 b5xe_ongoing1 Still exposed Custom alignment: LV

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3959	b1f	Section Header: Pesticides/Fumigants	checkbox, Required
		Please select any pesticides/fumigants you have ever been	01 b1f01 Ethyl dibromide
		exposed to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY]	02 b1f02 Chlorinated naphthalenes
		D. II	03 b1f03 Insecticides
		By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or	04 b1f04 Fungicides
		being around the substance.	05 b1f05 Herbicides
			06 b1f06 Ethyl fumigants
			07 b1f07 Rodenticides
			08 b1f08 Other pesticides/fumigants
			98 b1f98 Don't know
			00 b1f00 None of these
			Custom alignment: LV
3960	b1f_08_spec	If other pesticides/fumigants, please specify:	text Custom alignment: LH
	Show the field ONLY if: [b1f(08)] = 1		
3961	b2f	Overall, how many years did you work in jobs in which you	text (integer, Min: 0, Max: 105)
	Show the field ONLY if: ([b1f(01)] = 1) or ([b1f(02)] = 1) or ([b1f(03)] = 1) or ([b1f(04)] = 1) or ([b1f(05)] = 1) or ([b1f (06)] = 1) or ([b1f(07)] = 1) or ([b1f(08)] = 1)	were exposed to pesticides/fumigants for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	Custom alignment: LH
3962		When you were exposed to pesticides/fumigants at work, how	radio
3902	Show the field ONLY if:	often were you exposed?	1 Daily
	([b1f(01)] = 1) or ([b1f(02)] = 1)		2 At least once per week
	or ([b1f(03)] = 1) or ([b1f(04)] = 1) or ([b1f(05)] = 1) or ([b1f		3 At least once per month
	(06)] = 1) or ([b1f(07)] = 1) or ([b1f(08)] = 1)		4 At least once per year
			Custom alignment: LV
3963	b4f	Did you experience any health problems from being exposed	radio
	Show the field ONLY if:	to pesticides/fumigants?	1 Yes
	([b1f(01)] = 1) or $([b1f(02)] = 1)$ or $([b1f(03)] = 1)$ or $([b1f(04)]$		0 No
	= 1) or ([b1f(05)] = 1) or ([b1f		8 Don't know
	(06)] = 1) or ([b1f(07)] = 1) or ([b1f(08)] = 1)		Custom alignment: LV
3964	b5xf_start	What year did you START being exposed to	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if: [b2f] <> "	pesticides/fumigants in any job you have held? Year	Custom alignment: LH
3965	b5xf_stop	What year did you STOP being exposed to pesticides/fumigants	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if: [b2f] <> " and [b5xf_ongoing (1)]<>'1'	in any job you have held? Year	Custom alignment: LH
3966	b5xf_stop_2	What year did you STOP being exposed to pesticides/fumigants	descriptive
	Show the field ONLY if: [b5xf_ongoing(1)]='1'	in any job you have held? Year	
3967	b5xf_ongoing		checkbox
	Show the field ONLY if: [b2f] <> " and [b5xf_stop]="		1 b5xf_ongoing1 Still exposed
	[az.i] and [baxi_acop]-		Custom alignment: LV

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3968	b1g	Section Header: Compounds used in Plastic Production	checkbox, Required
		Please select any compounds used in plastic production you have ever been exposed to for 15 minutes a week or more in	01 b1g01 Bisphenol A (BPA)
		any job you have held [CHOOSE ALL THAT APPLY]	02 b1g02 Vinyl chloride
		D. II	03 b1g03 Styrene
		substance through breathing it in, touching it, swanowing it of	04 b1g04 Phosgene
			05 b1g05 Phenol
			06 b1g06 Toluene diisocyanate (TDI)
			07 b1g07 Methylene bis(4-phenyl isocyanate)
			08 b1g08 Other compounds
			98 b1g98 Don't know
			00 b1g00 None of these
			Custom alignment: LV
3969	b1g_08_spec	If other compounds, please specify:	text
	Show the field ONLY if:		Custom alignment: LH
	[b1g(08)] = 1		
3970	b2g Show the field ONLY if: ([b1g(01)] = 1) or ([b1g(02)] = 1) or ([b1g(03)] = 1) or ([b1g(0 4)] = 1) or ([b1g(05)] = 1) or ([b 1g(06)] = 1) or ([b1g(07)] = 1) o r ([b1g(08)] = 1)	Overall, how many years did you work in jobs in which you were exposed to compounds used in plastic production for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
3971	b3g Show the field ONLY if: ([b1g(01)] = 1) or ([b1g(02)] = 1) or ([b1g(03)] = 1) or ([b1g(04)] = 1) or ([b1g(05)] = 1) or ([b1g(05)] = 1) or ([b1g(05)] = 1) or ([b1g(05)] = 1) or ([b1g(08)] = 1)	When you were exposed to compounds used in plastic production at work, how often were you exposed?	radio 1 Daily 2 At least once per week 3 At least once per month 4 At least once per year Custom alignment: LV
3972	b4g Show the field ONLY if: ([b1g(01)] = 1) or ([b1g(02)] = 1) or ([b1g(03)] = 1) or ([b1g(0 4)] = 1) or ([b1g(05)] = 1) or ([b 1g(06)] = 1) or ([b1g(07)] = 1) o r ([b1g(08)] = 1)	Did you experience any health problems from being exposed to compounds used in plastic production?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
3973	b5xg_start	What year did you START being exposed to compounds used in	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if: [b2g] <> "	plastic production in any job you have held? Year	Custom alignment: LH
3974	b5xg_stop	What year did you STOP being exposed to compounds used in	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if: [b2g] <> " and [b5xg_ongoing (1)]<>'1'	plastic production in any job you have held? Year	Custom alignment: LH
3975	b5xg_stop_2	What year did you STOP being exposed to compounds used in	descriptive
	Show the field ONLY if: [b5xg_ongoing(1)]='1'	plastic production in any job you have held? Year	
3976	b5xg_ongoing		checkbox
	Show the field ONLY if: [b2g] <> " and [b5xg_stop]="		1 b5xg_ongoing1 Still exposed
			Custom alignment: LV

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3977	b1h	Section Header: Dust(s) Please select any dust(s) you have ever been exposed to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY] By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or being around the substance.	checkbox, Required 01 b1h01 Coal dust 02 b1h02 Fiberglass dust 03 b1h03 Rock dust 04 b1h04 Silica powder 05 b1h05 Talc 06 b1h06 Other dusts 98 b1h98 Don't know 00 b1h00 None of these Custom alignment: LV
3978	b1h_06_spec Show the field ONLY if: [b1h(06)] = 1	If other dusts, please specify:	text Custom alignment: LH
3979	b2h Show the field ONLY if: ([b1h(01)] = 1) or ([b1h(02)] = 1) or ([b1h(03)] = 1) or ([b1h(0 4)] = 1) or ([b1h(05)] = 1) or ([b 1h(06)] = 1)	Overall, how many years did you work in jobs in which you were exposed to dust(s) for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
3980	b3h Show the field ONLY if: ([b1h(01)] = 1) or ([b1h(02)] = 1) or ([b1h(03)] = 1) or ([b1h(04)] = 1) or ([b1h(05)] = 1) or ([b1h(06)] = 1)	When you were exposed to dust(s) at work, how often were you exposed?	radio 1 Daily 2 At least once per week 3 At least once per month 4 At least once per year Custom alignment: LV
3981	b4h Show the field ONLY if: ([b1h(01)] = 1) or ([b1h(02)] = 1) or ([b1h(03)] = 1) or ([b1h(04)] = 1) or ([b1h(05)] = 1) or ([b1h(05)] = 1) or ([b1h(05)] = 1)	Did you experience any health problems from being exposed to dust(s)?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
3982	b5xh_start Show the field ONLY if: [b2h] <>"	What year did you START being exposed to dust(s) in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
3983	b5xh_stop Show the field ONLY if: [b2h] <> " and [b5xh_ongoing (1)]<>'1'	What year did you STOP being exposed to dust(s) in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
3984	b5xh_stop_2 Show the field ONLY if: [b5xh_ongoing(1)]='1'	What year did you STOP being exposed to dust(s) in any job you have held? Year	descriptive
3985	b5xh_ongoing Show the field ONLY if: [b2h]<>" and [b5xh_stop]="		checkbox 1 b5xh_ongoing1 Still exposed Custom alignment: LV

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3986	b1i	Section Header: Emissions from Combustion of Gasoline and Other Fuels Please select any emissions from combustion of gasoline and other fuels you have ever been exposed to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY] By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or being around the substance.	checkbox, Required 01 b1i01 Nitrous oxide 02 b1i02 Carbon dioxide 03 b1i03 Carbon monoxide 04 b1i04 Ozone 05 b1i05 Other emissions 98 b1i98 Don't know 00 b1i00 None of these Custom alignment: LV
3987	b1i_05_spec Show the field ONLY if: [b1i(05)] = 1	If other emissions, please specify:	text Custom alignment: LH
3988	b2i Show the field ONLY if: ([b1i(01)] = 1) or ([b1i(02)] = 1) or ([b1i(03)] = 1) or ([b1i(04)] = 1) or ([b1i(05)] = 1)	Overall, how many years did you work in jobs in which you were exposed to emissions from combustion of gasoline and other fuels for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
3989	b3i Show the field ONLY if: ([b1i(01)] = 1) or ([b1i(02)] = 1) or ([b1i(03)] = 1) or ([b1i(04)] = 1) or ([b1i(05)] = 1)	When you were exposed to emissions from combustion of gasoline and other fuels at work, how often were you exposed?	radio 1 Daily 2 At least once per week 3 At least once per month 4 At least once per year Custom alignment: LV
3990	b4i Show the field ONLY if: ([b1i(01)] = 1) or ([b1i(02)] = 1) or ([b1i(03)] = 1) or ([b1i(04)] = 1) or ([b1i(05)] = 1)	Did you experience any health problems from being exposed to emissions from combustion of gasoline and other fuels?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
3991	b5xi_start Show the field ONLY if: [b2i] <> "	What year did you START being exposed to emissions from combustion of gasoline and other fuels in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
3992	b5xi_stop Show the field ONLY if: [b2i] <> " and [b5xi_ongoing (1)]<>'1'	What year did you STOP being exposed to emissions from combustion of gasoline and other fuels in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
3993	b5xi_stop_2 Show the field ONLY if: [b5xi_ongoing(1)]='1'	What year did you STOP being exposed to emissions from combustion of gasoline and other fuels in any job you have held? Year	descriptive Custom alignment: LH
3994	b5xi_ongoing Show the field ONLY if: [b2i] <> " and [b5xi_stop]="		checkbox 1 b5xi_ongoing1 Still exposed Custom alignment: LV

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3995	b1j	Section Header: Occupational Carcinogens Please select any occupational carcinogens you have ever been exposed to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY] By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it or being around the substance.	checkbox, Required 01 b1j01 Polybrominated biphenyls (PBBs) 02 b1j02 Polychlorinated biphenyls (PCBs) 03 b1j03 Radiation 04 b1j04 X-rays 05 b1j05 Welding fumes 06 b1j06 Other occupational carcinogens 98 b1j98 Don't know 00 b1j00 None of these Custom alignment: LV
3996	b1j_06_spec Show the field ONLY if: [b1j(06)] = 1	If other occupational carcinogens, please specify:	text Custom alignment: LH
3997	b2j Show the field ONLY if: ([b1j(01)] = 1) or ([b1j(02)] = 1) or ([b1j(03)] = 1) or ([b1j(04)] = 1) or ([b1j(05)] = 1) or ([b1j(06)] = 1)	Overall, how many years did you work in jobs in which you were exposed to occupational carcinogens for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
3998	b3j Show the field ONLY if: ([b1j(01)] = 1) or ([b1j(02)] = 1) or ([b1j(03)] = 1) or ([b1j(04)] = 1) or ([b1j(05)] = 1) or ([b1j(06)] = 1)	When you were exposed to occupational carcinogens at work, how often were you exposed?	radio 1 Daily 2 At least once per week 3 At least once per month 4 At least once per year Custom alignment: LV
3999	b4j Show the field ONLY if: ([b1j(01)] = 1) or ([b1j(02)] = 1) or ([b1j(03)] = 1) or ([b1j(04)] = 1) or ([b1j(05)] = 1) or ([b1j(06)] = 1)	Did you experience any health problems from being exposed to occupational carcinogens?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4000	b5xj_start Show the field ONLY if: [b2j] <> "	What year did you START being exposed to occupational carcinogens in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
4001	b5xj_stop Show the field ONLY if: [b2j] <> " and [b5xj_ongoing (1)]<>'1'	What year did you STOP being exposed to occupational carcinogens in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
4002	b5xj_stop_2 Show the field ONLY if: [b5xj_ongoing(1)]='1'	What year did you STOP being exposed to occupational carcinogens in any job you have held? Year	descriptive
4003	b5xj_ongoing Show the field ONLY if: [b2j] <> " and [b5xj_stop]="		checkbox 1 b5xj_ongoing1 Still exposed Custom alignment: LV

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4004	b1k	Section Header: Acids Please select any acids you have ever been exposed to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY] By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or being around the substance.	checkbox, Required 01 b1k01 Hydrochloric 02 b1k02 Sulfuric 03 b1k03 Phosphoric 04 b1k04 Acetic 05 b1k05 Nitric 06 b1k06 Other acids 98 b1k98 Don't know 00 b1k00 None of these Custom alignment: LV
4005	b1k_06_spec Show the field ONLY if: [b1k(06)] = 1	If other acids, please specify:	text Custom alignment: LH
4006	b2k Show the field ONLY if: ([b1k(01)] = 1) or ([b1k(02)] = 1) or ([b1k(03)] = 1) or ([b1k(0 4)] = 1) or ([b1k(05)] = 1) or ([b 1k(06)] = 1)	Overall, how many years did you work in jobs in which you were exposed to acids for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
4007	b3k Show the field ONLY if: ([b1k(01)] = 1) or ([b1k(02)] = 1) or ([b1k(03)] = 1) or ([b1k(04)] = 1) or ([b1k(05)] = 1) or ([b1k(06)] = 1)	When you were exposed to acids at work, how often were you exposed?	radio 1 Daily 2 At least once per week 3 At least once per month 4 At least once per year Custom alignment: LV
4008	b4k Show the field ONLY if: ([b1k(01)] = 1) or ([b1k(02)] = 1) or ([b1k(03)] = 1) or ([b1k(0 4)] = 1) or ([b1k(05)] = 1) or ([b 1k(06)] = 1)	Did you experience any health problems from being exposed to acids?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4009	b5xk_start Show the field ONLY if: [b2k] <> "	What year did you START being exposed to acids in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
4010	b5xk_stop Show the field ONLY if: [b2k] <> " and [b5xk_ongoing (1)]<>'1'	What year did you STOP being exposed to acids in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
4011	b5xk_stop_2 Show the field ONLY if: [b2k] <> " and [b5xk_ongoing (1)]='1'	What year did you STOP being exposed to acids in any job you have held? Year	descriptive
4012	b5xk_ongoing Show the field ONLY if: [b2k] <> " and [b5xk_stop]="		checkbox 1 b5xk_ongoing1 Still exposed Custom alignment: LV

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4013	b1	Section Header: Alkalis Please select any alkalis you have ever been exposed to for 15 minutes a week or more in any job you have held. [CHOOSE ALL THAT APPLY] By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or being around the substance.	checkbox, Required 01 b1101 Sodium hydroxide 02 b1102 Calcium hydroxide 03 b1103 Potassium hydroxide 04 b1104 Magnesium hydroxide 05 b1105 Other alkalis 98 b1198 Don't know 00 b1100 None of these Custom alignment: LV
4014	b1l_05_spec Show the field ONLY if: [b1l(05)] = 1	lf other alkalis, please specify:	text Custom alignment: LH
4015	b2l Show the field ONLY if: ([b1l(01)] = 1) or ([b1l(02)] = 1) or ([b1l(03)] = 1) or ([b1l(04)] = 1) or ([b1l(05)] = 1)	Overall, how many years did you work in jobs in which you were exposed to alkalis for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
4016	b3l Show the field ONLY if: ([b1l(01)] = 1) or ([b1l(02)] = 1) or ([b1l(03)] = 1) or ([b1l(04)] = 1) or ([b1l(05)] = 1)	When you were exposed to alkalis at work, how often were you exposed?	radio 1 Daily 2 At least once per week 3 At least once per month 4 At least once per year Custom alignment: LV
4017	b4l Show the field ONLY if: ([b1l(01)] = 1) or ([b1l(02)] = 1) or ([b1l(03)] = 1) or ([b1l(04)] = 1) or ([b1l(05)] = 1)	Did you experience any health problems from being exposed to alkalis?	radio 1 Yes 0 No 3 Don't know Custom alignment: LV
4018	b5xl_start Show the field ONLY if: [b2l] <> "	What year did you START being exposed to alkalis in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
4019	b5xl_stop Show the field ONLY if: [b2l] <> " and [b5xl_ongoing (1)]<>'1'	What year did you STOP being exposed to alkalis in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
4020	b5xl_stop_2 Show the field ONLY if: [b5xl_ongoing(1)]='1'	What year did you STOP being exposed to alkalis in any job you have held? Year	descriptive
4021	b5xl_ongoing Show the field ONLY if: [b2l] <> " and [b5xl_stop]="		checkbox 1 b5xl_ongoing1 Still exposed Custom alignment: LV

4022	b1m	Section Header: Stains and Varnishes	checkbox, Required
		Please select any stains and varnishes you have ever been	01 b1m01 Shellac
		exposed to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY]	02 b1m02 Wood stain
			03 b1m03 Resin (gum) varnish
		By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or	04 b1m04 Polyurethane
		being around the substance.	05 b1m05 Lacquer
			06 b1m06 Acrylic
			07 b1m07 Other stains and varnishes
			98 b1m98 Don't know
			00 b1m00 None of these
			Custom alignment: LV
4023	b1m_07_spec	If other stains and varnishes, please specify:	text Custom alignment: LH
	Show the field ONLY if: [b1m(07)] = 1		Custom angriment. Ln
4024	b2m	Overall, how many years did you work in jobs in which you	text (integer, Min: 0, Max: 105)
	Show the field ONLY if: ([b1m(01)] = 1) or ([b1m(02)] = 1) or ([b1m(03)] = 1) or ([b1 m(04)] = 1) or ([b1m(05)] = 1) or ([b1m(06)] = 1) or ([b1m(0 7)] = 1)	were exposed to stains and varnishes for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	Custom alignment: LH
4025	b3m	When you were exposed to stains and varnishes at work, how	radio
	Show the field ONLY if:	often were you exposed?	1 Daily
	([b1m(01)] = 1) or ([b1m(02)]	1	2 At least once per week
	= 1) or ([b1m(03)] = 1) or ([b1 m(04)] = 1) or ([b1m(05)] = 1)		3 At least once per month
	or ([b1m(06)] = 1) or ([b1m(0		4 At least once per year
	7)] = 1)		Custom alignment: LV
4026	b4m	Did you experience any health problems from being exposed	radio
	Show the field ONLY if: ([b1m(01)] = 1) or ([b1m(02)] = 1) or ([b1m(03)] = 1) or ([b1 m(04)] = 1) or ([b1m(05)] = 1)	n(01)] = 1) or ([b1m(02)] or ([b1m(03)] = 1) or ([b1	1 Yes
			0 No
			8 Don't know
	or ([b1m(06)] = 1) or ([b1m(0 7)] = 1)		Custom alignment: LV
4027	b5xm_start	What year did you START being exposed to stains and	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
	Show the field ONLY if: [b2m] <> "	varnishes in any job you have held? Year	Custom alignment: LH
4028	B b5xm_stop	What year did you STOP being exposed to stains and varnishes	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if: [b2m] <> " and [b5xm_ongoin g(1)]<>'1'	in any job you have held? Year	Custom alignment: LH
4029	b5xm_stop_2	What year did you STOP being exposed to stains and varnishes	descriptive
	Show the field ONLY if: [b5xm_ongoing(1)]='1'	in any job you have held? Year	
4030	b5xm_ongoing		checkbox
	Show the field ONLY if:		1 b5xm_ongoing1 Still exposed
	[b2m] <> " and [b5xm_stop]		
	="		Custom alignment: LV

4031	b1n	Section Header: Paints and Paint Thinners	checkbox, Required
		Please select any paints and paint thinners you have ever been	01 b1n01 Primer
		exposed to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY]	02 b1n02 Enamel
		THEIR [CHOOSE ALE HIAT ATTET]	03 b1n03 Oil-based
		By "exposed," we mean that you have come into contact with a	04 b1n04 Acrylic
		substance through breathing it in, touching it, swallowing it or being around the substance.	05 b1n05 Luminescent (glows in the dark)
			06 b1n06 Acetone
			07 b1n07 Turpentine
			08 b1n08 Naphtha
			09 b1n09 Methyl ethyl ketone
			10 b1n10 Other
			98 b1n98 Don't know
			00 b1n00 None of these
			Custom alignment: LV
4032	b1n_10_spec	If other paints and paint thinners, please specify:	text Custom alignment: LH
	Show the field ONLY if: [b1n(10)] = 1		custom angriment. Err
4033	b2n	Overall, how many years did you work in jobs in which you	text (integer, Min: 0, Max: 105)
	Show the field ONLY if:	were exposed to paints and paint thinners for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"]	Custom alignment: LH
	([b1n(01)] = 1) or ([b1n(02)] = 1) or ([b1n(03)] = 1) or ([b1n(0	years	
	4)] = 1) or ([b1n(01)] = 1) or ([b		
	1n(06)] = 1) or ([b1n(07)] = 1)		
	or ([b1n(08)] = 1) or ([b1n(09)] = 1) or ([b1n(10)] = 1)		
4034		When you were exposed to paints and paint thinners at work,	radio
4034		how often were you exposed?	1 Daily
	Show the field ONLY if: ([b1n(01)] = 1) or ([b1n(02)] =		2 At least once per week
	1) or ([b1n(03)] = 1) or ([b1n(0		3 At least once per month
	4)] = 1) or ([b1n(01)] = 1) or ([b 1n(06)] = 1) or ([b1n(07)] = 1)		
	or ([b1n(08)] = 1) or ([b1n(09)]		4 At least once per year
	= 1) or ([b1n(10)] = 1)		Custom alignment: LV
4035	b4n	Did you experience any health problems from being exposed	radio
	Show the field ONLY if:	to paints and paint thinners?	1 Yes
	([b1n(01)] = 1) or ([b1n(02)] =		0 No
	1) or ([b1n(03)] = 1) or ([b1n(0 4)] = 1) or ([b1n(01)] = 1) or ([b		8 Don't know
	1n(06)] = 1) or ([b1n(07)] = 1)		
	or ([b1n(08)] = 1) or ([b1n(09)] = 1) or ([b1n(10)] = 1)		Custom alignment: LV
4036	b5xn_start	What year did you START being exposed to paints and paint thinners in any job you have held?	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
	Show the field ONLY if: [b2n] <> "	Year	Castom alignment. LTI
4037	b5xn_stop	What year did you STOP being exposed to paints and paint	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if:	thinners in any job you have held? Year	Custom alignment: LH
	[b2n] <> " and [b5xn_ongoing (1)]<>'1'		
4038	b5xn_stop_2	What year did you STOP being exposed to paints and paint	descriptive
	Show the field ONLY if:	thinners in any job you have held?	·
	[b5xn_ongoing(1)]='1'	Year	
4039	b5xn_ongoing		checkbox
	Show the field ONLY if:		1 b5xn_ongoing1 Still exposed
	[b2n] <> " and [b5xn_stop]="		Custom alignment: LV
			Custom angriment. LV

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4040		Section Header: Anesthetics Please select any anesthetics you have ever been exposed to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY] By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or being around the substance.	checkbox, Required 01
4041	b1o_08_spec Show the field ONLY if: [b1o(08)] = 1	If other anesthetics, please specify:	text Custom alignment: LH
4042		Overall, how many years did you work in jobs in which you were exposed to anesthetics for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
4043	b3o Show the field ONLY if: ([b1o(01)] = 1) or ([b1o(02)] = 1) or ([b1o(03)] = 1) or ([b1o(0 4)] = 1) or ([b1o(05)] = 1) or ([b 1o(06)] = 1) or ([b1o(07)] = 1) or ([b1o(08)] = 1)	When you were exposed to anesthetics at work, how often were you exposed?	radio 1 Daily 2 At least once per week 3 At least once per month 4 At least once per year Custom alignment: LV
4044	b40 Show the field ONLY if: ([b1o(01)] = 1) or ([b1o(02)] = 1) or ([b1o(03)] = 1) or ([b1o(0 4)] = 1) or ([b1o(05)] = 1) or ([b 10(06)] = 1) or ([b1o(07)] = 1) or ([b1o(08)] = 1)	Did you experience any health problems from being exposed to anesthetics?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4045	b5xo_start Show the field ONLY if: [b2o] <> "	What year did you START being exposed to anesthetics in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
4046	b5xo_stop Show the field ONLY if: [b2o] <> " and [b5xo_ongoing (1)]<>'1'	What year did you STOP being exposed to anesthetics in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
4047	b5xo_stop_2 Show the field ONLY if: [b5xo_ongoing(1)]='1'	What year did you STOP being exposed to anesthetics in any job you have held? Year	descriptive
4048	b5xo_ongoing Show the field ONLY if: [b2o] <> " and [b5xo_stop]="		checkbox 1 b5xo_ongoing1 Still Exposed Custom alignment: LV

			<u>' '</u>
4049	b1p	Section Header: Glues and Adhesives	checkbox, Required
		Please select any glues and adhesives you have ever been exposed to for 15 minutes a week or more in any job you have	01 b1p01 White glue
		held [CHOOSE ALL THAT APPLY]	02 b1p02 Rubber cement
		By "expected" we mean that you have some into centact with a	03 b1p03 Neoprene
		By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or	04 b1p04 Ethylene-vinyl acetate
		being around the substance.	05 b1p05 Epoxy
			06 b1p06 Urethane
			07 b1p07 Polyimides
			08 b1p08 Cyanoacrylates
			09 b1p09 Wallpaper paste
			10 b1p10 Other glues and adhesives
			98 b1p98 Don't know
			00 b1p00 None of these
			Custom alignment: LV
4050	b1p_10_spec	If other glues and adhesives, please specify:	text
	Show the field ONLY if: $[b1p(10)] = 1$		Custom alignment: LH
4051	b2p	Overall, how many years did you work in jobs in which you	text (integer, Min: 0, Max: 105)
	Show the field ONLY if:	were exposed to glues and adhesives for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"]	Custom alignment: LH
	([b1p(01)] = 1) or ([b1p(02)] = 1) or ([b1p(03)] = 1) or ([b1p(0	years	
	4)] = 1) or ([b1p(05)] = 1) or ([b		
	1p(06)] = 1) or ([b1p(07)] = 1) or $([b1p(08)] = 1) \text{ or } ([b1p(09)]$		
	= 1) or $([b1p(10)] = 1)$		
4052	b3p	When you were exposed to glues and adhesives at work, how	radio
	Show the field ONLY if:	often were you exposed?	1 Daily
	([b1p(01)] = 1) or ([b1p(02)] =		2 At least once per week
	1) or ([b1p(03)] = 1) or ([b1p(0 4)] = 1) or ([b1p(05)] = 1) or ([b		3 At least once per month
	1p(06)] = 1) or ([b1p(07)] = 1)		4 At least once per year
	or ([b1p(08)] = 1) or ([b1p(09)] = 1) or ([b1p(10)] = 1)		Contrar all arranges IV
4053	l. d.:	Did	Custom alignment: LV
4053	•	Did you experience any health problems from being exposed to glues and adhesives?	radio 1 Yes
	Show the field ONLY if: ([b1p(01)] = 1) or ([b1p(02)] =		0 No
	1) or ([b1p(03)] = 1) or ([b1p(0		
	4)] = 1) or ([b1p(05)] = 1) or ([b 1p(06)] = 1) or ([b1p(07)] = 1)		8 Don't know
	or ([b1p(08)] = 1) or ([b1p(09)]		Custom alignment: LV
405.4	= 1) or ([b1p(10)] = 1)	What you did you CTADT hairs are said and the said and th	tout (integra, Min. 1010, Marin 2021)
4054	b5xp_start	What year did you START being exposed to glues and adhesives in any job you have held?	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
	Show the field ONLY if: [b2p] <> "	Year	-
4055	b5xp_stop	What year did you STOP being exposed to glues and adhesives in any job you have held?	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
	Show the field ONLY if:	Year	Custom alignment. LA
	[b2p] <> " and [b5xp_ongoing (1)]<>'1'		
4056	b5xp_stop_2	What year did you STOP being exposed to glues and adhesives	descriptive
	Show the field ONLY if:	in any job you have held?	·
	[b5xp_ongoing(1)]='1'	Year	
4057	b5xp_ongoing		checkbox
	Show the field ONLY if:		1 b5xp_ongoing1 Still exposed
	[b2p] <> " and [b5xp_stop]="		Custom alignment: LV

	1	1	Custom alignment: LV
	Show the field ONLY if: [b2q] <> " and [b5xq_stop]="		1 b5xq_ongoing1 Still exposed
4066	b5xq_ongoing		checkbox
4065	b5xq_stop_2 Show the field ONLY if: [b5xq_ongoing(1)]='1'	What year did you STOP being exposed to soldering materials in any job you have held? Year	descriptive
	b5xq_stop Show the field ONLY if: [b2q] <> " and [b5xq_ongoing (1)]<>'1'	What year did you STOP being exposed to soldering materials in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
	b5xq_start Show the field ONLY if: [b2q] <> "	What year did you START being exposed to soldering materials in any job you have held? Year	text (integer, Min: 1910, Max: 2021) Custom alignment: LH
4062	b4q Show the field ONLY if: ([b1q(01)] = 1) or ([b1q(02)] = 1) or ([b1q(03)] = 1) or ([b1q(0 4)] = 1) or ([b1q(05)] = 1) or ([b 1q(06)] = 1) or ([b1q(07)] = 1) or ([b1q(08)] = 1) or ([b1q(09)] = 1) or ([b1q(10)] = 1)	Did you experience any health problems from being exposed to soldering materials?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4061	b3q Show the field ONLY if: ([b1q(01)] = 1) or ([b1q(02)] = 1) or ([b1q(03)] = 1) or ([b1q(0 4)] = 1) or ([b1q(05)] = 1) or ([b 1q(06)] = 1) or ([b1q(07)] = 1) or ([b1q(08)] = 1) or ([b1q(09)] = 1) or ([b1q(10)] = 1)	When you were exposed to soldering materials at work, how often were you exposed?	radio 1 Daily 2 At least once per week 3 At least once per month 4 At least once per year Custom alignment: LV
4060	Show the field ONLY if: ([b1q(01)] = 1) or ([b1q(02)] = 1) or ([b1q(03)] = 1) or ([b1q(0 4)] = 1) or ([b1q(05)] = 1) or ([b 1q(06)] = 1) or ([b1q(07)] = 1) or ([b1q(08)] = 1) or ([b1q(09)] = 1) or ([b1q(10)] = 1)	Overall, how many years did you work in jobs in which you were exposed to soldering materials for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"] years	text (integer, Min: 0, Max: 105) Custom alignment: LH
4059	b1q_10_spec Show the field ONLY if: [b1q(10)] = 1	If other soldering materials, please specify:	Custom alignment: LV text Custom alignment: LH
		Please select any soldering materials you have ever been exposed to for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY] By "exposed," we mean that you have come into contact with a substance through breathing it in, touching it, swallowing it or being around the substance.	01 b1q01 Eutectic (tin-lead alloy) 02 b1q02 Tin zinc alloy 03 b1q03 Lead silver alloy 04 b1q04 Cadmium silver alloy 05 b1q05 Flux 06 b1q06 Solder paste 07 b1q07 Solder wire 08 b1q08 Rosin 09 b1q09 Solder fumes 10 b1q10 Other soldering materials 98 b1q98 Don't know 00 b1q00 None of these
4058	b1q	Section Header: Soldering Materials	checkbox, Required

			_
4067	b1r	Section Header: Dyes and Inks	checkbox, Required
		Please select any dyes and inks you have ever been exposed to	01 b1r01 Hair dye
		for 15 minutes a week or more in any job you have held [CHOOSE ALL THAT APPLY]	02 b1r02 Leather dye
		[CHOOSE ALE HIAT AT ET]	03 b1r03 Textile dye
		By "exposed," we mean that you have come into contact with a	04 b1r04 Paper dye
		substance through breathing it in, touching it, swallowing it or being around the substance.	05 b1r05 India ink
		being around the substance.	
			06 b1r06 Inkjet printer
			07 b1r07 Gel ink
			08 b1r08 Fountain pen ink
			09 b1r09 Toner
			10 b1r10 Soy Ink
			11 b1r11 Pharmaceutical ink
			12 b1r12 Other dyes and inks
			98 b1r98 Don't know
			00 b1r00 None of these
			Custom alignment: LV
4068	b1r_12_spec	If other dyes and inks, please specify:	text
	Show the field ONLY if:		Custom alignment: LH
	[b1r(12)] = 1		
4069	b2r	Overall, how many years did you work in jobs in which you	text (integer, Min: 0, Max: 105)
	Show the field ONLY if:	were exposed to dyes and inks for 15 minutes a week or more? [IF LESS THAN ONE YEAR, ENTER "00"]	Custom alignment: LH
	([b1r(01)] = 1) or ([b1r(02)] = 1) or ([b1	years	
	1) or ([b1r(03)] = 1) or ([b1r(0 4)] = 1) or ([b1r(05)] = 1) or ([b		
	1r(06)] = 1) or ([b1r(07)] = 1) o		
	r([b1r(08)] = 1) or ([b1r(09)] = 1) or ([b1r(10)] = 1) or ([b		
	1) or ([b1r(10)] = 1) or ([b1r(1 1)] = 1) or ([b1r(12)] = 1)		
4070	b3r	When you were exposed to dyes and inks at work, how often	radio
	Show the field ONLY if:	were you exposed?	1 Daily
	([b1r(01)] = 1) or ([b1r(02)] =		2 At least once per week
	1) or ([b1r(03)] = 1) or ([b1r(0 4)] = 1) or ([b1r(05)] = 1) or ([b		3 At least once per month
	1r(06)] = 1) or ([b1r(07)] = 1) o		4 At least once per year
	r ([b1r(08)] = 1) or ([b1r(09)] =		
	1) or ([b1r(10)] = 1) or ([b1r(1 1)] = 1) or ([b1r(12)] = 1)		Custom alignment: LV
4071		Did you experience any health problems from being exposed	radio
4071		to dyes and inks?	1 Yes
	Show the field ONLY if: ([b1r(01)] = 1) or ([b1r(02)] =		
	1) or $([b1r(03)] = 1)$ or $([b1r(0$		0 No
	4)] = 1) or ([b1r(05)] = 1) or ([b $\frac{1}{2}(05)] = 1$) or ([b $\frac{1}{2}(05)] = 1$) or ([b $\frac{1}{2}(05)] = 1$) or		8 Don't know
	1r(06)] = 1) or ([b1r(07)] = 1) o r ([b1r(08)] = 1) or ([b1r(09)] =		Custom alignment: LV
	1) or ([b1r(10)] = 1) or ([b1r(1		
	1)] = 1) or ([b1r(12)] = 1)		
4072	b5xr_start	What year did you START being exposed to dyes and inks in any	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if:	job you have held? Year	Custom alignment: LH
	[b2r] <> "		
4073	b5xr_stop	What year did you STOP being exposed to dyes and inks in any	text (integer, Min: 1910, Max: 2021)
	Show the field ONLY if:	job you have held? Year	Custom alignment: LH
	[b2r] <> " and [b5xr_ongoing (1)]<>'1'		
4074		What year did you STOP being exposed to dyes and inks in any	descriptive
40/4	b5xr_stop_2	job you have held?	descriptive
	Show the field ONLY if: [b5xr_ongoing(1)]='1'	Year	
	[00VI_011801118(1)]_ 1		

4075	b5xr_ongoing		checkbox
	Show the field ONLY if:		1 b5xr_ongoing1 Still exposed
	[b2r] <> " and [b5xr_stop]="		Custom alignment: LV
4076	h5	Did you ever wear gloves when handling any of the previously	radio
1070		listed chemicals?	1 Yes
			0 No
			8 Don't know
			9 Refused
			Custom alignment: LV
4077	b5a	When handling any of the previously listed chemicals, how much of the time did you wear gloves, on average?	radio
	Show the field ONLY if:	Triuch of the time did you wear gloves, on average?	1 Less than half
	[b5]='1'		2 About half
			3 More than half
			4 All the time
			8 Don't know
			Custom alignment: LV
4078	b5b	What type(s) of gloves did you wear? [CHOOSE ALL THAT	checkbox
	Show the field ONLY if:	APPLY]	01 b5b01 Leather gloves
	[b5]='1'		02 b5b02 Cotton gloves
			03 b5b03 Rubber or Synthetic gloves
			08 b5b08 Don't know
			Custom alignment: LV
4079	h6	Did you ever wear a face mask or respirator when handling any	radio
.075		of the previously listed chemicals?	1 Yes
			0 No
			8 Don't know
			9 Refused
			Custom alignment: LV
4080		When handling any of the previously listed chemicals, how much of the time did you wear a face mask or respirator, on	radio 1 Less than half
	Show the field ONLY if: [b6]='1'	average?	
			2 About half 3 More than half
			
			4 All the time
			8 Don't know
			Custom alignment: LV
4081	b7	Did you ever wear protective clothing, such as Tyvek (high-	radio
		density polyethylene synthetic fiber), lab coat, apron, etc. when handling any of the previously listed chemicals?	1 Yes
			0 No
			8 Don't know
			9 Refused
			Custom alignment: LV

4082	b7a Show the field ONLY if: [b7]='1'	When handling any of the previously listed chemicals, how much of the time did you wear protective clothing, on average?	radio 1 Less than half 2 About half 3 More than half 4 All the time 8 Don't know Custom alignment: LV
4083	c1_pre	Section Header: C. Workplace Characteristics The following questions ask about things you may have been exposed to at your current/most recent workplace outside of the home. If you are currently not working, think about your most recent workplace. Have you ever had a job outside of your home?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4084	c1 Show the field ONLY if: [c1_pre] = 1	While you have worked at your current/most recent job, has there ever been renovation or repairs in your workspace because of moisture damage?	radio 1 Yes 0 No Custom alignment: LV
4085	c1a Show the field ONLY if: [c1] = 1	When were the renovations or repairs (bacause of moisture damage) in your current/most recent workspace completed?	radio 1 During the past year 2 1-3 years ago 3 More than 3 years ago 8 Don't know Custom alignment: LV
4086	c2 Show the field ONLY if: [c1_pre]='1'	What is the floor material in your current/most recent workspace? [CHOOSE ALL THAT APPLY]	checkbox 01
4087	c2_06_spc Show the field ONLY if: [c2(06)] = 1	If other floor material, please specify	text Custom alignment: LH
4088	c3 Show the field ONLY if: [c1_pre]='1'	Is any of the wall material in your current/most recent workspace textile (cloth, fiber wallpaper, etc.)?	radio 1 Yes 0 No Custom alignment: LV
4089	c3a Show the field ONLY if: [c3] = 1	What proportion of the wall surfaces are textile (cloth, fiber wallpaper, etc.)?	radio 1 Less than half of the wall surfaces 2 At least half of the wall surfaces Custom alignment: LV

4090	c4 Show the field ONLY if: [c1_pre]='1'	Is any of the wall material of your current/most recent workspace plastic (plastic or vinyl wallpaper)?	radio 1 Yes 0 No Custom alignment: LV
4091	c4a Show the field ONLY if: [c4] = 1	What proportion of the wall surfaces are plastic?	radio 1 Less than half of the wall surfaces 2 At least half of the wall surfaces Custom alignment: LV
4092	d1a	Section Header: D. Hobby Exposures The questions in this section ask about hobbies you may have participated in. Hobbies using Glues Have you ever participated for 6 months or longer in hobbies using glues?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4093	d2a_yr Show the field ONLY if: [d1a] = 1	Overall, for about how many years were you involved in hobbies using glues? [ENTER "00" FOR LESS THAN 1 YEAR.] years	text (integer, Min: 0, Max: 80) Custom alignment: LH
4094	d3a_hr Show the field ONLY if: [d1a] = 1	On average, about how many hours per week, per month, or per year did you participate in the hobby? hours per week, per month or per year	text (integer, Min: 0, Max: 99) Custom alignment: LH
4095	d3a_period Show the field ONLY if: [d1a] = 1	Please provide time period (week, month, year) of the hours that you participated in the hobby.	radio 1 Week 2 Month 3 Year Custom alignment: LV
4096	d1b	Section Header: Hobbies involving Soldering Have you ever participated for 6 months or longer in hobbies involving soldering, such as jewelry making or stained glass?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4097	d2b_yr Show the field ONLY if: [d1b] = 1	Overall, for about how many years were you involved in hobbies involving soldering, such as jewelry making or stained glass? [ENTER "00" FOR LESS THAN 1 YEAR.] years	text (integer, Min: 0, Max: 80) Custom alignment: LH
4098	d3b_hr Show the field ONLY if: [d1b] = 1	On average, about how many hours per week, per month, or per year did you participated in the hobby? hours per week, per month or per year	text (integer, Min: 0, Max: 99) Custom alignment: LH
4099	d3b_period Show the field ONLY if: [d1b] = 1	Please provide time period (week, month, year) of the hours that you participated in the hobby.	radio 1 Week 2 Month 3 Year Custom alignment: LV
4100	d1c	Section Header: <i>Developing Photographs</i> Have you ever participated for 6 months or longer in developing photographs?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV

4101	d2c_yr Show the field ONLY if: [d1c] = 1	Overall, for about how many years were you involved in developing photographs? [ENTER "00" FOR LESS THAN 1 YEAR.]	text (integer, Min: 0, Max: 80) Custom alignment: LH
4102	d3c_hr Show the field ONLY if: [d1c] = 1	On average, about how many hours per week, per month, or per year did you participated in the hobby? hours per week, per month or per year	text (integer, Min: 0, Max: 99) Custom alignment: LH
4103	d3c_period Show the field ONLY if: [d1c] = 1	Please provide time period (week, month, year) of the hours that you participated in the hobby.	radio 1 Week 2 Month 3 Year Custom alignment: LV
4104	d1d	Section Header: Oil Painting Have you ever participated for 6 months or longer in oil painting?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4105	d2d_yr Show the field ONLY if: [d1d] = 1	Overall, for about how many years were you involved in developing photographs? [ENTER "00" FOR LESS THAN 1 YEAR.] years	text (integer, Min: 0, Max: 80) Custom alignment: LH
4106	d3d_hr Show the field ONLY if: [d1d] = 1	On average, about how many hours per week, per month, or per year did you participated in the hobby? hours per week, per month or per year	text (integer, Min: 0, Max: 99) Custom alignment: LH
4107	d3d_period Show the field ONLY if: [d1d] = 1	Please provide time period (week, month, year) of the hours that you participated in the hobby.	radio 1 Week 2 Month 3 Year Custom alignment: LV
4108	d1e	Section Header: Woodworking or Refinishing Furniture Have you ever participated for 6 months or longer in woodworking or refinishing furniture?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4109	d2e_yr Show the field ONLY if: [d1e] = 1	Overall, for about how many years were you involved in woodworking or refinishing furniture? [ENTER "00" FOR LESS THAN 1 YEAR.] years	text (integer, Min: 0, Max: 80) Custom alignment: LH
4110	d3e_hr Show the field ONLY if: [d1e] = 1	On average, about how many hours per week, per month, or per year did you participated in the hobby? hours per week, per month or per year	text (integer, Min: 0, Max: 99) Custom alignment: LH
4111	d3e_period Show the field ONLY if: [d1e] = 1	Please provide time period (week, month, year) of the hours that you participated in the hobby.	radio 1 Week 2 Month 3 Year Custom alignment: LV
4112	d1f	Section Header: Ceramics or Pottery Have you ever participated for 6 months or longer in ceramics or pottery making?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV

4113	d2f_yr Show the field ONLY if: [d1f] = 1	Overall, for about how many years were you involved in ceramics or pottery making? [ENTER "0" FOR LESS THAN 1 YEAR.] years	text (integer, Min: 0, Max: 80) Custom alignment: LH
4114	d3f_hr Show the field ONLY if: [d1f] = 1	On average, about how many hours per week, per month, or per year did you participated in the hobby? hours per week, per month or per year	text (integer, Min: 0, Max: 99) Custom alignment: LH
4115	d3f_period Show the field ONLY if: [d1f] = 1	Please provide time period (week, month, year) of the hours that you participated in the hobby.	radio 1 Week 2 Month 3 Year Custom alignment: LV
4116	d1g	Section Header: Leather Crafting Have you ever participated for 6 months or longer in leather crafting?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4117	d2g_yr Show the field ONLY if: [d1g] = 1	Overall, for about how many years were you involved in leather crafting? [ENTER "0" FOR LESS THAN 1 YEAR.] years	text (integer, Min: 0, Max: 80) Custom alignment: LH
4118	d3g_hr Show the field ONLY if: [d1g] = 1	On average, about how many hours per week, per month, or per year did you participated in the hobby? hours per week, per month or per year	text (integer, Min: 0, Max: 99) Custom alignment: LH
4119	d3g_period Show the field ONLY if: [d1g] = 1	Please provide time period (week, month, year) of the hours that you participated in the hobby.	radio 1 Week 2 Month 3 Year Custom alignment: LV
4120	d1i	Section Header: Fishing using Lead Weights or Sinkers Have you ever participated for 6 months or longer in fishing using lead weights or sinkers?	radio 1 Yes 0 No 8 Don't know Custom alignment: LV
4121	d2i_yr Show the field ONLY if: [d1i] = 1	Overall, for about how many years were you involved in fishing using lead weights or sinkers? [ENTER "0" FOR LESS THAN 1 YEAR.] years	text (integer, Min: 0, Max: 80) Custom alignment: LH
4122	d3i_hr Show the field ONLY if: [d1i] = 1	On average, about how many hours per week, per month, or per year did you participated in the hobby? hours per week, per month or per year	text (integer, Min: 0, Max: 99) Custom alignment: LH
4123	d3i_period Show the field ONLY if: [d1i] = 1	Please provide time period (week, month, year) of the hours that you participated in the hobby.	radio 1 Week 2 Month 3 Year Custom alignment: LV

4124 d1j Section Header: Repairing Cars or Boats Have you ever participated for 6 months or longer in repairing cars or boats (other than fixing a flat tire or changing the oil)? radio 1 Yes 0 No	
cars or hoats (other than fixing a flat tire or changing the oil)?	
cars or boats (other than fixing a flat tire or changing the oil)?	
8 Don't Know	
Custom alignme	ent: LV
d2j_yr Overall, for about how many years were you involved in text (integer, Mi	
Show the field ONLY if: repairing cars or boats ? [ENTER "0" FOR LESS THAN 1 YEAR.] Custom alignment [d1j] = 1	ent: LH
4126 d3j_hr On average, about how many hours per week, per month, or text (integer, Mi	
Show the field ONLY if: [d1j] = 1 per year did you participated in the hobby? hours per week, per month or per year Custom alignment hours per week, per month or per year	ent: LH
4127 d3j_period Please provide time period (week, month, year) of the hours radio	
Show the field ONLY if: that you participated in the hobby.	
[d1j] = 1	
3 Year	
Custom alignme	ant: I V
4128 d1k Section Header: Gardening, Yard Work, and Lawn Care radio	511C. LV
Have you ever participated for 6 months or longer in 1 Yes]
gardening, yard work, and lawn care?	-
8 Don't know	-
	1
Custom alignme	ent: LV
4129 d2k_yr Overall, for about how many years were you involved in text (integer, Mi	
Show the field ONLY if: gardening, yard work, and lawn care? [ENTER "0" FOR LESS Custom alignment of the field only if: THAN 1 YEAR.]	ent: LH
[d1k] = 1	
4130 d3k_hr On average, about how many hours per week, per month, or text (integer, Mi	
Show the field ONLY if: [d1k] = 1 per year did you participated in the hobby? hours per week, per month or per year Custom alignment hours per week, per month or per year	ent. Ln
4131 d3k_period Please provide time period (week, month, year) of the hours radio	
Show the field ONLY if: that you participated in the hobby. 1 Week	
[d1k] = 1	
3 Year	
Custom alignme	ent: LV
4132 d1 Section Header: Other Hobbies Involving the Use of Chemicals radio	
Have you ever participated for 6 months or longer in other 1 Yes]
hobbies involving the use of chemicals? 0 No	
8 Don't know	-
Custom alignme	ent: LV
4133 d1l_spec Please specify the other hobbies involving the use of chemicals. Lext Custom alignment	ent: LH
Show the field ONLY if: [d1l] = 1	
4134 d2l_yr Overall, for about how many years were you involved in other hobbies involving in the use of chemicals? [ENTER "0" FOR LESS Custom alignment of the control of	
Show the field ONLY if: [d1l] = 1	
4135 d3l_hr On average, about how many hours per week, per month, or text (integer, Mi	
Show the field ONLY if: per year did you participated in the hobby? hours per week, per month or per year Custom alignme	ent: LH
[d1l] = 1	

4136	d3l_period Show the field ONLY if: [d1l] = 1	Please provide time period (week, month, year) of the hours that you participated in the hobby.	radio 1 Week 2 Month 3 Year Custom alignment: LV
4137		Section Header: E. Ultraviolet Light Exposures The following questions focus on your sun exposure. If you spent an hour in the mid-day sun (10:00 am to 2:00 pm) for the first time without sunscreen, which of these reactions best describes what would happen to your skin? When we refer to a "tan," it means darkening of your natural skin color after sun exposure. Section Header: Blistering Sunburn Have you ever had a blistering sunburn?	radio 1 A blistering sunburn 2 A sunburn without blisters 3 A mild sunburn that becomes a tan 4 A tan with no sunburn 5 No change in skin color Custom alignment: LV yesno 1 Yes
			0 No Custom alignment: LV
4139	e2a Show the field ONLY if: [e2] = 1	About how old were you the FIRST time you had a blistering sunburn?	radio 1 Under 5 years old 2 5 - 14 years old 3 15 - 24 years old 4 25 - 39 years old 5 40 - 64 years old 6 65 years old or older 8 Don't know Custom alignment: LV
4140	e2b Show the field ONLY if: [e2] = 1	About how old were you the LAST time you had a blistering sunburn?	radio 1 Under 5 years old 2 5 - 14 years old 3 15 - 24 years old 4 25 - 39 years old 5 40 - 64 years old 6 65 years old or older 8 Don't know Custom alignment: LV
4141	e2c Show the field ONLY if: [e2] = 1	About how many blistering sunburns have you had in your lifetime?	radio 1 1 or 2 2 3 or 4 3 5 - 9 4 10 - 19 5 20 or more 8 Don't know Custom alignment: LV
4142	e3	Section Header: Skin Rash from Sun Exposure Have you ever had a skin rash from sun exposure?	yesno 1 Yes 0 No Custom alignment: LV

			•
4143	e3a	About how old were you the FIRST time you had a skin rash from sun exposure?	radio
	Show the field ONLY if:	inom sum exposure:	1 Under 5 years old
	[e3] = 1		2 5 - 14 years old
			3 15 - 24 years old
			4 25 - 39 years old
			5 40 - 64 years old
			6 65 years old or older
			8 Don't know
			Custom alignment: LV
4144	e3b	About how old were you the LAST time you had a skin rash	radio
	Show the field ONLY if:	from sun exposure?	1 Under 5 years old
	[e3] = 1		2 5 - 14 years old
			3 15 - 24 years old
			4 25 - 39 years old
			5 40 - 64 years old
			6 65 years old or older
			8 Don't know
			Custom alignment: LV
4145	e3c	About how many times in your lifetime have you gotten a skin	radio
	Show the field ONLY if:	rash from sun exposure?	1 1 or 2
	[e3] = 1		2 3 or 4
			3 5-9
			4 10 - 19
			5 20 or more
			8 Don't know
11.15		Continue Handam Town in a Double	Custom alignment: LV
4146	e4	Section Header: <i>Tanning Booth</i> Have you ever used a tanning booth?	yesno 1 Yes
		Thave you ever asea a tarring booth.	
			0 No
			Custom alignment: LV
4147	e4a	About how old were you the FIRST time you used a tanning	radio
	Show the field ONLY if:	booth?	1 Under 5 years old
	[e4] = 1		2 5 - 14 years old
			3 15 - 24 years old
			4 25 - 39 years old
			5 40 - 64 years old
			6 65 years old or older
			8 Don't know
			Custom alignment: LV

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4148	e4b	About how old were you the LAST time you used a tanning	radio		
	Show the field ONLY if:	booth?	1 Under 5 years old		
	[e4] = 1		2 5 - 14 years old		
			3 15 - 24 years old		
			4 25 - 39 years old		
			5 40 - 64 years old		
			6 65 years old or older		
			8 Don't know		
			Custom alignment: LV		
4149	e4c	About how many times in your lifetime have you used a	radio		
	Show the field ONLY if:	tanning booth?	1 1 or 2		
	[e4] = 1		2 3 or 4		
			3 5-9		
			4 10 - 19		
			5 20 or more		
			8 Don't know		
			Custom alignment: LV		
4150	e5	Section Header: Sunlamp	yesno		
		Have you ever used a sunlamp?	1 Yes		
			0 No		
			Custom alignment: LV		
4151	e5a	About how old were you the FIRST time you used a sunlamp?	radio		
	Show the field ONLY if:		1 Under 5 years old		
	[e5] = 1		2 5 - 14 years old		
			3 15 - 24 years old		
			4 25 - 39 years old		
			5 40 - 64 years old		
			6 65 years old or older		
			8 Don't know		
			Custom alignment: LV		
4152	e5b	About how old were you the LAST time you used a sunlamp?	radio		
	Show the field ONLY if:		1 Under 5 years old		
	[e5] = 1		2 5 - 14 years old		
			3 15 - 24 years old		
			4 25 - 39 years old		
			5 40 - 64 years old		
			6 65 years old or older		
			8 Don't know		
			Custom alignment: LV		

			'
4153	e5c	About how many times in your lifetime have you used a	radio
	Show the field ONLY if:	sunlamp?	1 1 or 2
	[e5] = 1		2 3 or 4
			3 5-9
			4 10 - 19
			5 20 or more
			8 Don't know
			Custom alignment: LV
4154	e6a	Section Header: Please answer the following questions about your exposure to	radio (Matrix)
		the sun at different periods of your life. When we refer to "mid-day sun," it means between the hours of 10 AM and 2 PM. When we refer to a "tan," it	1 Less than 15 minutes
		means darkening of your natural skin color after sun exposure. If an age group	2 15 minutes to less than an hour
		does not apply to you, please choose "Not applicable." For example, if you are under the age of 20 years old, choose "Not applicable" for the age groups "In	3 1 or 2 hours
		your twenties" and "In your thirties." On a typical WEEKDAY in the SUMMER, about how many hours per day did you spend in the mid-day sun (between 10	4 3 or 4 hours
		am and 2 pm)?	8 Don't know
		In your teens	5 Not applicable
4155	e6h	In your twenties	radio (Matrix)
4133	COD	in your twenties	1 Less than 15 minutes
			2 15 minutes to less than an hour
			3 1 or 2 hours
			4 3 or 4 hours
			8 Don't know
			5 Not applicable
4156	066	In your thirties	
4156	евс	In your thirties	radio (Matrix)
			2 15 minutes to less than an hour
			3 1 or 2 hours
			4 3 or 4 hours
			8 Don't know
			5 Not applicable
4157	еьа	In the past 10 years	radio (Matrix) 1 Less than 15 minutes
			2 15 minutes to less than an hour
			3 1 or 2 hours
			4 3 or 4 hours
			8 Don't know
4158	e7a	Section Header: On a typical WEEKEND in the SUMMER, about how many hours per day did you spend in the mid-day sun (between 10 am and 2 pm)?	radio (Matrix)
		In your teens	1 Less than 15 minutes
			2 15 minutes to less than an hour
1 1			3 1 or 2 hours
			4 3 or 4 hours

		Environmental r drymer prilement region y		·
4159	e7b	In your twenties	rad	lio (Matrix)
			1	Less than 15 minutes
			2	15 minutes to less than an hour
			3	1 or 2 hours
			4	3 or 4 hours
			8	Don't know
			5	Not applicable
4160	e7c	In your thirties	rad	lio (Matrix)
			1	Less than 15 minutes
			2	15 minutes to less than an hour
			3	1 or 2 hours
			4	3 or 4 hours
			8	Don't know
			5	Not applicable
4161	e7d	In the past 10 years	_	lio (Matrix)
- 101	C/ G	in the pase to years	1	Less than 15 minutes
			2	15 minutes to less than an hour
			\vdash	1 or 2 hours
			\vdash	3 or 4 hours
			\vdash	
			5	Not applicable
			_	
4162	e8a	a tan? Please select an answer other than 'Not Applicable' for 'In your teens'		lio (Matrix)
		and 'In the past 10 years'.	1	Never had a tan
		In your teens	\vdash	1 - 3 months
			\vdash	4 - 6 months
			\vdash	7 - 9 months
			5	10 - 12 months
			8	Don't know
4163	e8b	In your twenties	rad	lio (Matrix)
			1	Never had a tan
			\vdash	1 - 3 months
			3	4 - 6 months
			4	7 - 9 months
			5	10 - 12 months
			8	Don't know
			6	Not applicable
4164	e8c	In your thirties	rad	lio (Matrix)
			1	Never had a tan
			2	1 - 3 months
			3	4 - 6 months
			4	7 - 9 months
			5	10 - 12 months
			8	Don't know
			\vdash	Not applicable
			_	

4165	e8d	In the past 10 years	radio (Matrix)
			1 Never had a tan
			2 1 - 3 months
			3 4 - 6 months
			4 7 - 9 months
			5 10 - 12 months
			8 Don't know
4166	e9	During leisure time, when you are outside in direct sunlight,	radio
		how often do you wear a HAT WITH A BRIM?	1 Never
			2 Less than half the time
			3 Half the time
			4 More than half the time
			5 All the time
			Custom alignment: LV
4167	e10	During leisure time, about how often do you wear SUNGLASSES when you are outside in direct sunlight?	radio
		The state of the s	1 Never
			2 Less than half the time
			3 Half the time
			4 More than half the time
			5 All the time
			Custom alignment: LV
4168	e11	During leisure time, about how often do you wear SUNSCREEN	radio
		when you are outside in direct sunlight?	1 Never
			2 Less than half the time
			3 Half the time
			4 More than half the time
			5 All the time
			Custom alignment: LV
4169	closing_comment	Section Header:	notes
		Please provide any comments you have about the survey below.	Custom alignment: LV
4170	closing_statement	Thank you for completing Part A of the Exposome Survey. Your	descriptive
		responses will be used to study how our genes and environment interact to increase or decrease our risk for	
		common diseases and health conditions.	
		After you submit your responses to Part A, you will be directed	
		to Part B of the survey. If you want to pause and come back	
		later, you may exit the survey by closing your browser tab or	
		window. The answers you provided up to that point are saved. When you are ready to continue, reopen the link for the survey	
		and click "Start Survey" to begin from the point you left off.	
		Click the "Submit" button now to submit your responses to Part	
		A and continue to Part B. If needed, we may contact you in the	
		future if we have questions about any of your responses.	<u> </u>
4171	exposome_part_a_complete	Section Header: Form Status Complete?	dropdown O Incomplete
		- Complete.	
			1 Unverified
			2 Complete
Instr	rument: Exposome Part B	(exposome_part_b)	∨ Expand Expand