Emory University

Research and Woodruff Health Sciences IT Division

SaniPath Risk Assessment and Urban Flooding



04/04/2017 5:50pm

#	Variable / Field Name	Field Label Field Note	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)	
Ir	Instrument: My First Instrument			
1	record_id	Record ID	text	

2 understood_co

Section Header: Confidential SaniPath Risk Assessment and Urban Flooding Atlanta Survey Please complete the SaniPath Risk Assessment and Urban Flooding in Atlanta survey below. Thank you! Consent Form SaniPath Risk Assessment and Urban Flooding Atlanta Study You are invited to participate in a study on urban flooding and fecal contamination in Atlanta. Participation in this study involves completing a 30-minute survey using a computer. This study is conducted by Drs. Christine Moe and Amy Kirby from Emory University. This survey will take approximately 30 minutes of your time. You will be asked to complete an online survey about your exposure to flooding and fecal matter in your neighborhood. Your decision to participate in this study is completely voluntary and you have the right to terminate your participation at any time without penalty. You may skip any questions you do not wish to answer. If you want do not wish to complete this survey just close your browser. Your participation in this research will be completely confidential. The final results from the study will be shared with the public. No one other than the study team will know how you answered. Although your participation in this research may not benefit you personally, it will help us understand how human behaviors may lead to exposure of fecal contamination and how many people in your community may be exposed. The results of this study could be used to develop methods to reduce exposure to flooding or fecal matter. There are no risks to individuals participating in this survey beyond those that exist in daily life. Upon completion of the online survey, participants will receive a \$5 gift card, which will be emailed to the participants after the online survey is completed. Participants are paid only one time after completing and submitting the online survey. If the survey is not completed, the \$5 gift card will not be sent to the participant. If you have questions about this project, you may contact Dr. Amy Kirby at floodingsurvey@emory.edu. If you have any questions about your rights as a participant in this study or any concerns or complaints, please contact Emory Institutional Review Board: 404-712-0720 or toll-free at 877-503-9797 or by email at irb@emory.edu. Please print a copy of this consent form for

your records, if you so desire.

esno, Required				
1	Yes			
0	No			

		I have read the above consent form.	
3	above_age18	I certify that I am 18 years old or older.	yesno, Required 1 Yes 0 No Stop actions on 0
4	hh_dd	Please provide todays date (Month, Day, Year)	text (datetime_mdy), Required
5	neighbor	Section Header: Neighborhood Which neighborhood are you from?	radio 1 Peoplestown 2 English Ave 3 Proctor Creek Question number: 1
6	address1	Section Header: Please provide your address Please provide your address: Address Address	text, Identifier Question number: 2a
7	address2	City/ Town City/ Town	text Question number: 2b
8	address3	State State	text Question number: 2c
9	address4	ZIP/ Postal Code ZIP/ Postal Code	text (zipcode) Question number: 2d
10	hh_q1	Section Header: Sanipath Atlanta Do you have children between the ages of 5-12?	yesno 1 Yes 0 No Question number: 3
11	hh_q2	Think about whether you ever go into rivers, lakes, streams, creeks, or ponds in your neighborhood. This includes wading, swimming, splashing around, and fishing. How often do you go into the rivers, lakes, streams, creeks or ponds? Select one option	radio 1 More than 10 times total every month. 2 6 to 10 times total every month. 3 1 to 5 times total every month. 4 I never go into the rivers, lakes, streams, creeks or ponds. Question number: 4

12 hh_q3	Think about whether your children ever go into the rivers, lakes, streams, creeks, or ponds in your neighborhood. This includes wading, swimming, splashing around, and fishing. How often do your children go into the rivers, lakes, streams, creeks, or ponds? Select one option	radio 1 More than 10 times total every month. 2 6 to 10 times total every month. 3 1 to 5 times total every month. 4 My children never go into the rivers, lakes, streams, creeks or ponds.
		5 I do not known how often my children go into the rivers, lakes, streams, creeks or ponds.
12 bb g/	Saction Handar: Saninath Atlanta 2	
13 hh_q4	How often do you come into contact with floodwater during the rainy season?	1 More than 10 times total every month during the rainy season.
	Floodwater may be stagnant water, such as puddles after heavy rain, overflowing storm drains or flooded creeks or rivers. Select one option	2 6 to 10 times total every month during the rainy season.
		3 1 to 5 times total every month during the rainy season.
		4 I never come into contact with floodwater.
		Question number: 6
14 hh_q5	How often do your children come	radio
	into contact with floodwater during the rainy season? Floodwater may be stagnant water, such as puddles after heavy rain, overflowing storm drains or flooded creeks or rivers.	1 More than 10 times total every month during the rainy season.
		2 6 to 10 times total every month during the rainy season.
	Select one option	3 1 to 5 times total every month during the rainy season.
		4 My children never come into contact with floodwater.
		5 I do not know how often my children come into contact with floodwater.
		Question number: 7

15 hh_q6	Section Header: Sanipath Atlanta 3 How many days a week do you drink from a public water source? A public water source includes public water fountains but does not include a water cooler or bottled water. Select one option	radio 1 Everyday. 2 4 to 6 days a week. 3 1 to 3 days a week. 4 I never drink water from a public water source. 5 I do not know if I drink water from a public water source.
16 hh_q7	How many days a week do your children drink from a public water source? A public water source includes public water fountains but does not include a water cooler or bottled water. Select one option	radio 1 Everyday. 2 4 to 6 days a week. 3 1 to 3 days a week. 4 My children never drink water from a public water source. 5 I do not know how often my children drink water from a public water source. Question number: 9
17 hh_q8	Section Header: Sanipath Atlanta 4 How many days during the week do you eat produce that is raw (uncooked)? For this question, we are referring to any fruit or vegetable that does not grow on a tree, and that does not have a peel or shell. Please think about produce you eat whole and produce you cut up but eat raw. For example lettuce, tomatoes, bell peppers. Select one option	radio 1 Everyday. 2 4 to 6 days a week. 3 1 to 3 days a week. 4 I never eat raw produce. Question number: 10
18 hh_q9	How many days during the week do your children eat produce that is raw (uncooked)? For this question, we are referring to any fruit or vegetable that does not grow on a tree, and that does not have a peel or shell. Please think about produce you eat whole and produce you cut up but eat raw. For example lettuce, tomatoes, bell peppers. Select one option	radio 1 Everyday. 2 4 to 6 days a week. 3 1 to 3 days a week. 4 My children never eat raw produce. 5 I do not know if my children eat raw produce. Question number: 11

I 10	hh_q10	Section Header: Sanipath Atlanta 5	radio
18	/ IIII_q10	How often do you use a public toilet?	1 More than 10 times total every week.
		A public toilet includes a toilet in a public space such as a	2 6 to 10 times total every week.
		restaurant or gas station, or a toilet at school or work. Select one option	3 1 to 5 times total every week.
		coloci one option	4 I never use a public toilet.
			Question number: 12
20	hh_q11	How often do your children use a	radio
		public toilet?	1 More than 10 times total every week.
		A public toilet includes a toilet in a public space such as a restaurant or gas station, or a	2 6 to 10 times total every week.
		toilet at school or work. Select one option	3 1 to 5 times total every week.
			4 My children never use a public toilet.
			5 I do not know how often my children use a public toilet.
			Question number: 13
21	hh_q12	Section Header: Flooding	yesno
		Do you own the property where	1 Yes
		you are living?	0 No
			Question number: 14
22	hh_q13	Are you renting the	yesno
		house/apartment/property where you are living?	1 Yes
		you are living!	0 No
			Question number: 15
23	hh_q14	What type of property is it?	radio
		Select one option	1 Residential
			(House/Apartment)
			2 Business
			3 Other
			Question number: 16
24	hh_q14a	If other, specify	notes
	Show the fiel d ONLY if: [hh_q14] = '3'		Question number: 16a

25 hh_q15	How many people live with you? Selection one option	radio 1 0-2 2 3-5 3 6-8 4 More than 9 Question number: 17
26 hh_q16	How long have you been living at your current address? Select one option	dropdown (autocomplete) 1 less than one year 2 1-5 years 3 6-9 years 4 10-14 years 5 15-19 years 6 Longer than 20 years Question number: 18
27 hh_q17a	Section Header: Perception Please describe the extent to which you AGREE or DISAGREE with each statement. Flood water is safe to drink	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 19a
28 hh_q17b	Flood water can cause illnesses	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 19b
29 hh_q17c	Contact with flood water should be avoided	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 19c

1 1	ı		
30 h) hh_q17d	Flood water contains germs, which make me sick	radio (Matrix)
			1 Strongly Agree
			2 Agree
			3 Neutral
			4 Disagree
			5 Strongly disagree
			6 Not applicable
			Question number: 19d
31 h	nh_q17e	Bleach solution should be used	radio (Matrix)
		to clean surfaces after a flood event	1 Strongly Agree
			2 Agree
			3 Neutral
			4 Disagree
			5 Strongly disagree
			6 Not applicable
			Question number: 19e
32 h	hh_q17f	During a flooding event, tap water in my house/apartment is safe to drink	radio (Matrix)
			1 Strongly Agree
			2 Agree
			3 Neutral
			4 Disagree
			5 Strongly disagree
			6 Not applicable
			Question number: 19f
33 h	nh_q17g	There is no risk to my property	radio (Matrix)
	during a flooding event		
		during a flooding event	1 Strongly Agree
		during a flooding event	1 Strongly Agree 2 Agree
		during a flooding event	
		during a flooding event	2 Agree
		during a flooding event	2 Agree 3 Neutral
		during a flooding event	2 Agree 3 Neutral 4 Disagree

34 hh_q17h	Flood water contains dangerous chemicals	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 19h
35 hh_q17i	Flood water contains sewage	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 19i
36 hh_q17j	There is no health risk associated with flood water	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 19j
37 hh_q17k	During a flooding event, I am worried about the safety of the drinking water	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 19k

1 0 1 1 4 7 1	la	1
38 hh_q17l	Sewage and storm water overflow after a heavy rainfall	radio (Matrix) 1 Strongly Agree
	cause the flooding in my area	2 Agree
		3 Neutral
		4 Disagree
		5 Strongly disagree
		6 Not applicable
		Question number: 19l
39 hh_q18a	Section Header: Behavior Please describe the extent to which you	radio (Matrix)
	AGREE or DISAGREE with each	1 Strongly Agree
	statement.	2 Agree
	Flooding is a major issue in my community	3 Neutral
		4 Disagree
		5 Strongly disagree
		6 Not applicable
		Question number: 20a
40 hh_q18b	My house/apartment floods	radio (Matrix)
	regularly	1 Strongly Agree
		2 Agree
		3 Neutral
		4 Disagree
		5 Strongly disagree
		6 Not applicable
		Question number: 20b
41 hh_q18c	My yard floods regularly	radio (Matrix)
		1 Strongly Agree
		2 Agree
		3 Neutral
		4 Disagree
		5 Strongly disagree
		6 Not applicable
		Question number: 20c

42 hh_q18d	The streets near my	radio (Matrix)
	house/apartment flood regularly	1 Strongly Agree
		2 Agree
		3 Neutral
		4 Disagree
		5 Strongly disagree
		6 Not applicable
		Question number: 20d
43 hh_q18e	During a flooding event, I walk	radio (Matrix)
	through the flood water	1 Strongly Agree
		2 Agree
		3 Neutral
		4 Disagree
		5 Strongly disagree
		6 Not applicable
		Question number: 20e
44 hh_q18f	During a flooding event, my	radio (Matrix)
	children play in the flood water	
	children play in the flood water	1 Strongly Agree
	children play in the flood water	1 Strongly Agree 2 Agree
	children play in the flood water	
	children play in the flood water	2 Agree
	children play in the flood water	2 Agree 3 Neutral
	children play in the flood water	2 Agree 3 Neutral 4 Disagree
	children play in the flood water	2 Agree 3 Neutral 4 Disagree 5 Strongly disagree
45 hh_q18g	During a flooding event, my pets	2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable
45 hh_q18g		2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 20f
45 hh_q18g	During a flooding event, my pets	2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 20f
45 hh_q18g	During a flooding event, my pets	2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 20f radio (Matrix) 1 Strongly Agree
45 hh_q18g	During a flooding event, my pets	2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 20f radio (Matrix) 1 Strongly Agree 2 Agree
45 hh_q18g	During a flooding event, my pets	2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 20f radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral
45 hh_q18g	During a flooding event, my pets	2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 20f radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree

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46 hh_q18h	During a flooding event, my pets drink the flood water	radio (Matrix)
		1 Strongly Agree
		2 Agree
		3 Neutral
		4 Disagree
		5 Strongly disagree
		6 Not applicable
		Question number: 20h
47 hh_q18i	Flood water causes damage	radio (Matrix)
	other than mold to my house/apartment	1 Strongly Agree
		2 Agree
		3 Neutral
		4 Disagree
		5 Strongly disagree
		6 Not applicable
		Question number: 20i
48 hh_q18j	Flood water causes mold to	radio (Matrix)
	grow in the flooded parts of the house/apartment	1 Strongly Agree
		2 Agree
		3 Neutral
		4 Disagree
		5 Strongly disagree
		6 Not applicable
		Question number: 20j
49 hh_q18k	I wear protective equipment	radio (Matrix)
	such as waterproof boots and plastic or rubber gloves when	1 Strongly Agree
	cleaning up after a flooding	2 Agree
	event	3 Neutral
		4 Disagree
		5 Strongly disagree
		6 Not applicable
		Question number: 20k

50	hh_q18I	My tap water changes color during a flooding event	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 201
51	hh_q18m	I boil my tap water when flooding occurs	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 20m
52	hh_q18n	After my house/apartment floods, I use bleach or Lysol to clean all the surfaces	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 20n
53	hh_q18o	I wash my hands with soap and water after cleaning up flood water	radio (Matrix) 1 Strongly Agree 2 Agree 3 Neutral 4 Disagree 5 Strongly disagree 6 Not applicable Question number: 200
54	hh_q19	Section Header: <i>Previous Experience</i> Have you previously experienced any flooding in your neighborhood?	yesno 1 Yes 0 No Question number: 21

	hh_q20 hh_q21	How often do you hear about flooding in your neighborhood each year? Select one option When it is flooding in your area,		Never 1 or 2 times e year 3-6 times eac 7-12 times ea More than 12 each year estion number:	h year ch year times	
		which of the following areas flood: Choose all that apply	1	hh_q211	Street ne the property/ apartmer	house/
			2	_'	Yard	
			3	_'	House	
			4	hh_q214	Other	
			Qu	estion number:	23	
57	hh_q21a Show the fiel d ONLY if: [hh_q21(4)] = ' 1'	If other, specify	tex Qu	t estion number:	23a	
58	hh_q22	Section Header: <i>Previous</i> Experience 2 How often does the street(s) by your house flood in one year? Select one option	1 2 3 4 5 Qu	Never 1-2 times eac 3-6 times eac 7-12 times ea	h year ch year times	
59	hh_q23	How often does your yard flood in one year? Select one option	rad 1 2 3 4 5	Never 1-2 times eac 3-6 times eac 7-12 times ea	h year ch year times	

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60	hh_q24	How often does your house flood in one year?	rad			
		Select one option	1	Never		
			2	1-2 times eac		
			3	3-6 times eac	h year	
			4	7-12 times ea	ch year	
			5	More than 12	times	
			Qu	estion number:	26	
61	hh_q25	Section Header: <i>Previous</i> Experience 3	che	eckbox	<u> </u>	
		If flooding occurs, Choose all that apply	1	hh_q251	I walk through flooded areas	
			2	hh_q252	My children play in flood water	
			3	hh_q253	I have direct skin contact with flood water	
			4	hh_q254	I touch the flood water with my hands	
			5	hh_q255	None of the above	
			Qu	estion number:	27	
62	hh_q26	During a flooding event, I spend	rad	io		
		minutes walking through flood water. Select one option	1	I don't walk in flood water		
			2	1-10 minutes		
			3	11-30 minutes	3	
			4	31-60 minutes	S	
			5	More than on	e hour	
			Qu	estion number:	28	

63	hh_q27	During a flooding event, my children play minutes in flood water. Select one option	radio 1 My children don't play in flood water 2 1-10 minutes 3 11-30 minutes 4 31-60 minutes 5 More than one hour Question number: 29	
64	age	Section Header: Personal Information How old are you?	dropdown (autocomplete) 1 Under 12 years 2 12 - 17 years old 3 18 - 24 years old 4 25 - 34 years old 5 35 - 44 years old 6 45 to 54 years old 7 55 - 64 years old 8 64 - 74 years old 9 75 years or older Question number: 30	
65	gender	What is your gender?	dropdown (autocomplete) 1 Female 2 Male 3 Prefer not to answer Question number: 31	
66	race	What is your race or ethnicity? Select one option	radio 1 White 2 Hispanic or Latino 3 Black or African American 4 Native American or American Indian 5 Asian / Pacific Islander 6 Other 7 Prefer not to answer Question number: 32	
67	race_other Show the fiel d ONLY if: [race] = '6'	If other, specify	notes Question number: 32a	

68 hh_q28	Section Header: Personal Information 2 What is the highest level of education that you have completed? Select one option	radio 1 No schooling completed 2 Nursery school to 8th grade 3 Some high school, no diploma 4 High school graduate, diploma or the	
		equivalent (for example: GED) 5 Some college credit, no degree 6 Trade/technical /vocational training 7 College degree 8 Post-graduate degree Question number: 33	
69 hh_q29	Do you have a job? Select one option	radio 1 Yes 2 No 3 Retired 4 Other Question number: 34	
70 hh_q29a Show the fiel d ONLY if: [hh_q29] = '4'	If other, specify	text Question number: 34a	
71 hh_q30	Which of the following describes your household income per year? Select one option	radio 1 Less than \$15,000 2 \$15,001 - \$30,000 3 \$30,001 - \$50,000 4 \$50,001 - \$75,000 5 More than \$75,000 Question number: 35	
72 hh_q31	Section Header: Contact Information Are you willing to be contacted via email/ phone for follow up questions?	yesno, Required 1 Yes 0 No Question number: 36	
73 hh_q31a Show the fiel d ONLY if: [hh_q31] = '1'	If yes, please provide your email or phone number for follow up questions Name (optional): Name (optional)	text, Required Question number: 36a	

74	hh_q31b Show the fiel d ONLY if: [hh_q31] = '1'	Email: <i>Email</i>	text (email) Question number: 36b
75	hh_q31c Show the fiel d ONLY if: [hh_q31] = '1'	Phone: Phone	text (phone) Question number: 36c
76	my_first_instru ment_complet e	Section Header: Form Status Complete?	dropdown 0 Incomplete 1 Unverified 2 Complete