Shigella Hypothesis Generating Questionnaire

PULSENET CLUSTER CODE: <CLUSTER CODE>

(ENTER CLUSTER CODE)

[Please complete Section 1 prior to conducting interview]

Sec	Section 1: INTERVIEW INFORMATION			
1.	PulseNet ID #:	2.	WGS ID #:	
3.	Interviewer information Name:		Agency or organization:	
4.	Reporting state:	5.	Reporting county:	
6.	Language interview conducted in: English S	banish	Other (specify):	
7.	Respondent was: Self Parent Spouse	🗆 Oth	ner (specify):	

Hello, my name is <interviewer name>. I am from <interviewer health department name>. We are contacting you because you (your child) were recently sick with a *Shigella* infection, also called shigellosis. *Shigella* are a group of bacteria that cause diarrheal illness. We are trying to determine how you (your child) became sick with a *Shigella* infection. This interview will also help prevent others from getting sick.

You may have already been contacted by the health department. I would like to ask you a few additional questions about your (your child's) recent illness and about any exposures you (your child) may have had before becoming ill. Your help in the investigation is very important. Your participation is voluntary, and you may refuse to answer any question at any time. All information will be kept confidential to the extent permitted by law. No names or other identifying information will be used in any reports. This interview will likely take about 25 to 30 minutes. Are you willing to participate?

If yes: Thank you. [Proceed to Section 2]

If no: Thank you for your time. Would you like any additional materials about *Shigella* or can I answer any questions for you? If you wish at any time to complete the questionnaire, please call <health department phone number>.

For the first few questions, I will ask some basic demographic questions so I can learn more about you (your child).

Sec	Section 2: <u>CASE INFORMATION</u>					
1.	State (of residence):	2. County (of residence):				
3.	Age (of case):					
4.	What sex were you (your child) assigned at birth? □ Female	e 🗆 Male 🗆 Unknown 🗆 Refused				
Ном	How do you describe your (your child's):					
6.	Ethnicity? Hispanic or Latino Not Hispanic or Latino					

7.	Race? (select all that apply) American Indian or Alaska Native Asian Black or African American
	Native Hawaiian or Pacific Islander U White Refused

8. If case is ≥14 years old, what is your (your child's) current occupation? _

Now I am interested to learn a little about your household.

Section 3: HOUSEHOLD INFORMATION

- What would best describe the type of housing you (your child) currently live in? For example, a house, apartment, or mobile home.
 House/single family home
 Apartment
 Hotel/motel
 Long term care facility
 Nursing home/assisted living facility
 Mobile home
 Shelter
 Rehabilitation center
 Half-way house
 Unknown
 Other (specify): _______
- 2. In the past 30 days, did you (your child) double up or stay overnight with friends, relatives, or someone you didn't know well because you didn't have a regular place to stay at night? □ Yes □ No □ Prefer not to answer □ Unknown
- 3. In the past 30 days, were you ever homeless? That is, were you living on the street, in a shelter, in a single room occupancy hotel, or in a car? \Box Yes \Box No \Box Prefer not to answer \Box Unknown
- 4. What is the water source at your (your child's) primary place of residence?
- 🗆 Municipal 🛛 Well 🗌 Unknown 🖾 Other (specify): _
- 5. What is the sewer connection at your (your child's) primary place of residence?
- □ Municipal □ Septic tank □ Unknown □ Other (specify): _
- 6. How many people, including you (your child), live in your (your child's) primary place of residence? Unknown
 a. Do any of these people (either children or adults) wear diapers? Yes No Unknown
 - **b.** How many people living in your household are under the age of 5? _____ Unknown
- 7. What was your household income last year from all sources before taxes? That is, the total amount of money earned and shared by all people living in your household.
 □ <\$20,000 □ \$20,000-\$39,999 □ \$40,000-\$59,999 □ \$60,000-\$79,999 □ \$80,000-99,999 □ \$>100,000
 □ Prefer not to answer □ Unknown

Next, I have a few questions about your (your child's) recent illness. It may be helpful to have a calendar in front of you because I will be asking about the dates your (your child's) symptoms started and stopped. Do you need some time to get one?

Sect	Section 4: <u>CLINICAL INFORMATION</u>				
1.	 What date did you (your child) first feel sick?// □ Approximate date □ Unknown Month / Day / Year 				
2.	 What date did you (your child) stop feeling sick?//				
Yes	No	Don't Know	3. Have you (your child) had any of the following symptoms?		
			a. Diarrhea (at least 3 loose, watery stools in 24 hours)		
i. If yes to question 3a, about how m			i. If yes to question 3a, about how many days did you (your child) have diarrhea?		
			b. Abdominal pain/cramps		
			c. Fever		
			d. Nausea		

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	e. Vomiting
	f. Bloody stools/bloody diarrhea
	g. Seizures
	h. Achy joints/muscles
	i. Tenesmus (or feeling the need to pass stool [poop] even when bowels are empty)
	j. Other symptoms I didn't ask about (specify):

The next set of questions are about any recent medical care and treatment you (your child) may have received.

Secti	Section 5: MEDICAL CARE AND TREATMENT INFORMATION				
Yes	No	Don't Know			
			1. As a result of your (your child's) illness, did you (your child) seek medical care?		
	1		 a. If yes to question 1, where did you (your child) seek medical care? (select all that apply) Doctor's office Urgent care Pharmacy clinic STD clinic Emergency department Hospital Unknown Other (specify): 		
			b. If yes to question 1, were you (your child) admitted to a hospital overnight?		
			i. If yes to question 1b, for how many nights were you (your child) hospitalized?		
			c. If yes to question 1, were you (your child) admitted to the intensive care unit?		
			2. In addition to infection with <i>Shigella</i> , did your (your child's) doctor tell you that you were sick with any other infection(s)?		
			a. If yes to question 2, what was the name of the other infection(s):		
			3. Were you (was your child) prescribed any antibiotics for this illness? If yes, I will be asking more questions about the antibiotic, so it may be helpful to get the pill bottles or packages if available.		
			a. If yes to question 3, what was the name of the antibiotic(s), dose, and frequency?		
			 b. If yes to question 3, which date did you (your child) start taking the antibiotic(s)? /		
			c. If yes to question 3, which date did you (your child) stop taking the antibiotic(s)? / / Month / Day / Year		
			 d. If yes to question 3, in the 24 hours after taking the antibiotic(s), did your (your child's) symptoms □ Get better/Improve □ Stay the Same □ Get Worse □ Other (specify): 		

I would now like to know about your (your child's) recent activities, including travel, events, and contact with others.

Secti	Section 6: EXPOSURE INFORMATION		
Yes	No	Don't Know	
		- Allow	
			1. In the <u>7 days before</u> your illness started, did you (your child) spend any time outside of your home state?

		a. If yes to question 1, list all U.S. states where you (your child) traveled:
		i. List dates of domestic travel:
		ii. What was the purpose of this travel? (select all that apply)
		Tourism Work Visiting friends/relatives
		Other (specify): iii. Where did you (your child) stay while traveling domestically? (select all that apply):
		\Box Hotel, hostel, guest house, resort \Box Private home \Box Hospital \Box Cruise ship
		Other (e.g., school, dormitory, tent) (specify):
		 What activities did you (your child) engage in while traveling domestically? (select all that apply)
		□ Purchase or eat food □ Go swimming □ Attend gathering of people
		Drink untreated water Other (specify): b. If use to supprise 1. list all countries outside the United States where you (your shild) traveled.
		 If yes to question 1, list all countries outside the United States where you (your child) traveled:
		i. List dates of international travel:
		ii. What was the purpose of this travel? (select all that apply)
		Tourism Work Visiting friends/relatives Other (specify):
		iii. Where did you (your child) stay while traveling internationally? <i>(select all that apply)</i> :
		□ Hotel, hostel, guest house, resort □ Private home □ Hospital □ Cruise ship
		 Other (e.g., school, dormitory, tent) (specify): what activities did you (your child) engage in while traveling internationally? (select all that
		apply)
		□ Purchase or eat food □ Go swimming □ Attend gathering of people
		 Drink untreated water Other (specify): In the past month, have you (your child) had contact with any individuals who traveled outside the United
		States?
		a. If yes to question 2, where did they travel? (specify):
		b. If yes to question 2, were they ill with symptoms similar to your (your child's) symptoms?
		c. If yes to question 2, did you (your child) eat any food or drink any beverages they brought back?
		i. If yes to question 2c, what did you (your child) eat or drink? (specify):
		3. In the <u>7 days before</u> your (your child's) illness started, did you (your child) attend, visit, work in, or volunteer at any of the following:
		a. A religious gathering (such as church, mosque, or synagogue)? (specify):
		b. Camp? (specify):
		c. Conference or other large meeting? (specify):
		d. Festival, fair, play, or concert? (specify):
		e. Party, picnic, or barbeque? (specify):
		f. Sports practice, sports game, or exercise class? (specify):
		g. Other gathering of people I did not ask about? (specify):
Yes No D	Don't	4. In the <u>7 days before</u> your (your child's) illness started, did you (your child):

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	Know	
		a. Drink water from an untreated source, such as lake, pond, or river? (specify):
		b. Eat any foods prepared by a friend, neighbor, or coworker in their home? (specify):
		c. Eat any foods prepared by a catering company? (such as food served at a wedding or conference?) (specify):
		d. Eat at a restaurant? (specify):
		e. Swim in treated water, such as a swimming pool? (specify):
		f. Swim in untreated water, such as a lake, river, or ocean? (specify):
		g. Play in an interactive water fountain, water table, children's pool, kiddie pool, or baby pool? (specify):
		5. In the <u>7 days before</u> your (your child's) illness started, did you (your child) visit, work in, or volunteer at:
		a. A place that serves food, such as a restaurant or cafeteria? (specify):
		b. A homeless shelter? (specify):
		c. A health care facility? (specify):
		d. A nursing home, long term care, or assisted living facility? (specify):
		6. In the <u>7 days before</u> your (your child's) illness started, did you (your child) have contact with someone with diarrhea (at least 3 loose, watery stools in 24 hours) or symptoms similar to your (your child's) symptoms?
		a. If yes to question 6, was this person diagnosed with a Shigella infection?
		 If yes to question 6, was this person a member of your (your child's) household? (specify):
		c. If yes to question 6, does this person wear diapers?
		i. If yes to question 6e, did you (your child) change this person's diapers?
		7. <u>While you (your child) were sick</u> with the <i>Shigella</i> infection, did you (your child) do any of the following:
		a. Prepare or handle food for other people? (specify):
		 Go swimming or play in a swimming pool, baby pool, interactive fountain, or water table? (specify):
		c. Visit, work in, or volunteer at a healthcare facility? (specify):
		 Visit, work in, or volunteer at a nursing home, long term care, or assisted living facility? (specify):
		e. Visit, work in, volunteer, or attend a school or childcare facility? (specify):
		f. Visit, work in, volunteer, or attend any gathering of people? For example, a picnic, party, concert, conference, or religious gathering. (specify):

We are nearly finished. I have a few questions about your (your child's) recent child care or school attendance.

Section 7: <u>CHILD CARE AND SCHOOL INFORMATION</u>				
Yes	No	Don't		
res		Know		

	 In the <u>7 days before</u> your (your child's) illness started, did you (your child) visit, work in, volunteer, or attend a child care center, daycare, or preschool?
	a. If yes to question 1, what is the name of the facility?
	b. If yes to question 1, at this facility were there any other children or adults ill with diarrhea (at least 3 loose, watery stools in 24 hours) or symptoms similar to yours (your child's) before you (your child) became ill?
	c. If yes to question 1, did you (your child) use a school bus or other school transport to get to and from the child care center, daycare, or preschool?
	d. If yes to question 1, were you (your child) excluded from this facility while ill?
	 i. If yes to question 1d, how many days were you (your child) excluded?
	 If yes to question 1d and case is ≤ 18 years, while excluded from daycare, what alternative care did your child receive? (<i>select all that apply</i>) Babysitter □ Care at home □ Other child care center □ Unknown Other (specify):
	2. In the <u>7 days before</u> your (your child's) illness started, did you (your child) attend, visit, work in, or volunteer in a school (such as an elementary, middle, after school center, or other type of school)?
	 a. If yes to question 2, what is the name of the school?
	b. If yes to question 2, at this school were there any other children or adults ill with diarrhea (at least 3 loose, watery stools in 24 hours) or symptoms similar to your (your child's) before you became ill?
	c. If yes to question 2, did you (your child) use a school bus or other school transport to get to and from the school?
	d. If yes to question 2, were you (your child) excluded from school while ill?
	i. If yes to question 2d, how many days were you (your child) excluded?
	 ii. If yes to question 2d and case is ≤ 18 years, while excluded from school, what alternative care did your child receive? (<i>select all that apply</i>) □ Babysitter □ Care at home □ Self-care □ Unknown □ Other (specify):

[Proceed if participant is \geq 18 years of age. Otherwise skip section 8 and conclude interview]

Finally, I would like to ask about your recent sexual activity because *Shigella* can be spread through sexual contact. *Shigella* germs are very contagious; it takes just a small number of *Shigella* germs to make someone sick. People can get shigellosis when they put something in their mouths or swallow something that has come into contact with the stool of someone else who is sick with shigellosis. This can happen during sex.

As I stated previously, your responses are voluntary, and you may refuse to answer any question at any time. We ask all adults who were diagnosed with a *Shigella* infection these questions. Your answers to these questions will be kept private and may help us to identify how you became sick with a *Shigella* infection. This will also help us to prevent others from getting sick.

Do you wish to proceed with the next section?

If yes: Thank you [Begin section 8]

If no: That is OK. We appreciate the information you have given us. [*Skip to Section 9 to close out interview*]

Secti	Section 8: <u>RECENT SEXUAL ACTIVITY</u> [Only ask if \geq 18 years of age]				
	 Which of the following best represents how you think of yourself? □ Lesbian or gay □ Straight, that is not lesbian or gay □ Bisexual □ Something else (specify): 				
			't know Refused/prefer not to answer		
		-	lescribe yourself as male, female, or transgender? le □ Transgender □ None of these □ Refused/prefer not to answer		
		Don't			
Yes	No	Know			
			3. Are you currently sexually active? (if no skip to question 4)		
			a. If yes to question 3, since your illness started, have you had sexual contact with another person? Sexual contact would include genital sex, anal sex, or al sex, or any other sexual contact.		
			b. If yes to question 3, in the <u>7 days before your</u> illness started, did you have sexual contact with another person? Sexual contact would include genital sex, anal sex, oral sex, or any other sexual contact.		
	·		i. If yes to question 3b, were your sex partners (<i>select all that apply</i>):		
			Female I Male I Transgender Female I Transgender Male Another Unknown Prefer Not to Answer		
			ii. If yes to question 3b, in the <u>7 days before</u> your illness started did any of your sex partners have diarrhea or symptoms similar to your own?		
	IIII		If yes to question 3b, read prompt. For the next questions I'm going to be more explicit about the kind of sex you had in the week before your illness started. This will help me to better understand how you could have become sick.		
			iii. In the <u>7 days before</u> your illness started, what kind of sexual contact did you have?		
			1. Genital sex (for example, penis in the vagina)?		
			2. Anal sex (for example, penis in the anus)?		
			3. Oral sex (for example, mouth on penis or vagina)?		
			4. Anilingus or rimming (meaning mouth on anus)?		
			5. Other sexual contact (for example touching your partner's anus with your hands, your partner touching your anus with their hands, or sharing of sex toys)?		
			iv. If yes to question 3b, in the <u>7 days before</u> your illness started did you use drugs or alcohol during or immediately before sex? Some examples include alcohol, Viagra, meth, GHB, cocaine, or poppers. (specify):		
			v. In the <u>7 days before</u> your illness, how many sex partners did you have? (specify):		
			1. If yes to question 3bv, were any of these partners new?		
			a. If yes to question 3bv1, in the <u>7 days before</u> your illness started, did you meet your new sex partner(s) at any of the following places?		
			i. Bar, restaurant or club? (specify):		

			ii. Bathhouse? (specify):
			iii. Bookstore? (specify):
			iv. Gym? (specify):
			v. Park? (specify):
			vi. Social media sites? (specify):
			vii. Dating or hookup sites? (specify):
			viii. Party, conference, or other type of event? (specify):
			ix. Sex club or sex party? (specify):
			x. Other location I didn't ask about? (specify):
Yes	No	Don't Know	
			4. In the past 12 months have you been told by a doctor that you have a sexually transmitted infection?
			a. If yes to question 4, which infection? (select all that apply)
			🗆 Chlamydia 🗖 Gonorrhea 🗖 Syphilis 🗖 Genital warts 🗍 Herpes
			Other (specify):

Section 9: <u>CLOSING</u>						
			1. This is the end of the questionnaire. Thank you very much for your time.			
	1					
			2. Would you like any additional materials about <i>Shigella</i> or can I answer any questions for you?			

Thank you for your time. Have a nice day.

[Conclude interview]

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