Cyclosporiasis National Hypothesis Generating Questionnaire

Form Approved OMB No. 0920-1198 Exp. Date 09/30/2020

General information (Questions to be completed by interviewer before the questionnaire is administered.)									
1. Classify case bas	1. Classify case based on CDC case definition (Required): Confirmed Probable								
Laboratory inform	ation:								
2. Date(s) stool col	lected for <i>Cyclospol</i>	ra testing:			-				
3. Test results:	Positive Ne	gative 🔲 Inde	terminate	Pending					
4. Specify type of to	esting laboratories	and testing metho	d(s) (Check all that	apply including cor	nfirmatory testing):				
	O&P (e.g. microscopy, stained smears)	GI PCR Panel (e.g. BioFire FilmArray®)	PCR (not part of a panel)	Lab-developed test	Other				
Clinical lab									
Commercial lab									
State lab									
CDC lab									
5. Specify name of lab-confirmed coinfection: Not applicable 6. State Lab Accession Number:									
Interviewer information:									
7. Name:									
	ization:								
9. Contact phone n	iumber:								
10. Date of intervie	ew: / /								
11. Before this inte	rview, how many t	imes has the case-	patient been interv	riewed about his/he	er illness?				
None									
12. Respondent for	the current intervi	ew was:							
Self	Parent	Spouse	Other, specify:		· · · · · · · · · · · · · · · · · · ·				

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Begin Interview:

Hello, my name is [state interviewer name]. I am from [INTERVIEWER HEALTH DEPARTMENT]. We are contacting you because of your (your child's) recent infection with *Cyclospora*, which is a parasite that causes intestinal illness. We are trying to determine how people become infected with *Cyclospora* so we can prevent others from getting sick.

You may have already been contacted by someone at the health department, but I would like to ask you questions in a standard way about your (your child's) illness, and about any travel you may have had or foods you may have eaten before becoming ill. The interview will take about 21 minutes. 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 you give will be kept confidential to the extent permitted by law. No individual names or other identifying information will be used in any official reports about the results of the investigation.

Are you willing to participate in this investigation?

If <u>yes</u>: The questions relate to the 14-day period before you (your child) became ill. Therefore, it may help to have a calendar, recent restaurant and grocery store receipts, or credit card statements nearby. Do you need a few moments to get this information? [Then proceed to start of interview]

If no: Thank you for your time.

Section 1: Demographic Data

3 1				
I'd like to begin by asking a	few demographic questions.			
1. State:	County:	3	B. Zip Code: _	
4. Date of birth:/	5. Age:	6. Sex:	☐ Male	☐ Female
7. Do you consider yourself	of Hispanic or Latino origin?			
Yes				
□No				
Unknown				
8. How would you describe	your race?			
White	American Indian,	/Alaskan Native	☐ Black/	African American
Asian	☐ Native Hawaiian,	Other Pacific Islander	Unkno	own
Other, specify:				

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: Clinical In	formatio	n			
ve some qu	estions a	bout your	your c	child's) illness.	
					_
late did you	(your chi	ld) first fe	el sick?	//	
Maybe	No	Don't know	10. Ha	ave you (your chi	d) had any of the following symptoms?
					ery stools you do not normally have)?
					started:
			+		stopped: Ongoing
			+	-	
			+		
			1	•	
		- $ otherwise$			
			III. Abc	dominal cramps:	
	П		11. Ha	ave your (your ch	ild's) symptoms stopped?
			+		nptoms stopped:
				Unknown	
			12. W	ere you (your chi	ld) hospitalized overnight?
			a.	How many nig	nts were you (your child) hospitalized?
			C.	Hospital name	(Optional):
ve some quended during for pleasure	estions algebrases the second contract the sec	bout any days befo	travel y re onse	t of illness. The t	ravel or events could have been part of your
		•			
_	•				
☐ Did not travel to other counties within home state ☐ Unknown					
s within hon	ne state	Date de	parted	Date returned	Foods eaten
	Maybe Hate did you Maybe Travel, every esome que ended during for pleasure eness. Sional – for larger than the complete that is a second to the complete that is a second to the complete than the complete that is a second to the complete that is a second to the complete than the complete that is a second to the complete than the complete than the complete than the complete that is a second to the complete than the complete that the complete than the complete than the complete than the compl	: Clinical Information ve some questions all date did you (your child was all date did you (your child was all date did you (your child) Maybe	E Clinical Information we some questions about your date did you (your child) first feet was a constant of the some questions about any ended during the 14 days before pleasure. I also have some ness. Sional – for local analysis) List child) might have purchased of the point of the count o	Clinical Information ve some questions about your (your of date did you (your child) first feel sick? Maybe No Don't know 10. Haybe have a bout any travel yended during the 14 days before onset or pleasure. I also have some question ness. Clional – for local analysis) List counties with the count	Clinical Information ve some questions about your (your child's) illness. Idate did you (your child) first feel sick?// Maybe No Don't know

Date

Unknown

Foods eaten

14. List all states and U.S. cities <u>outside of your home state</u> where you (your child) might have purchased or eaten fresh foods during the 14 days before onset of illness. This includes airports and bus or train stations.

Date

Did not travel to other U.S. states

U.S. Cities

U.S. States

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	ountries <u>outside th</u> before onset of ill		ı (your child) migl	ht have purcha	ased or eaten fresh foods during			
☐ Did not travel outside the U.S. ☐ Unknown								
Countries	outside the U.S.	Date departed	Foods eaten					
_	he 14 days before parties, fairs, cond			d) attend any e	events where fresh food was			
	Yes	Maybe	No	Unknown				
16a. Please	list the name of th	e event(s), date(s	s), and location(s)					
church/tem illness?	Yes Maybe No Unknown							
17a. If yes/maybe, please specify if you (your child) and the other ill person(s): Live in the same household Other, specify: Other, specify:								
17b. If yes/maybe, please provide information about the other ill person(s), including number of ill persons and relationship to you (e.g. son, mother, neighbor, friend, etc.). *Please include the STATE ID of the ill contact(s), if available/applicable. Do not enter names or other personally identifiable information. *Note to Interviewer: To help determine if the interviewee meets the case definition, did the interviewee report international travel outside the U.S. or Canada during the 14 days before onset of illness?								
· · · · · · · · · · · · · · · · · · ·	es, thank the intervo, continue with in			e interview.				

Section 4: Sources of produce at home

Now I have some questions about where the fresh produce came from that you ate at home during the 14 days before your illness began. This isn't necessarily where you shopped during that 14-day period, but where what you actually ate then came from. I'm going to list several types of stores; for each type, please tell me the names of each store from which you would have eaten food from during the 14 days before you became sick. Please refer to your grocery store receipts or credit card statements to provide a more detailed description.

18. Did you (your child) eat foods from: grocery stores or supermarkets, warehouse stores, small markets (such as gas stations), ethnic specialty markets, health food stores, co-ops, fish or meat specialty shops, farmer's markets or food directly from a farm, home delivery grocery services (e.g. CSA, Amazon Fresh), meal delivery services (e.g. Blue Apron, Meals on Wheels), or any other sources?

Store name	Address	City	State	Zip Code	Date shopped	Foods purchased	*Shopper card #

^{*}By giving your shopper card number, you are permitting retrieval of information regarding your purchases. This information may be shared with other public health officials to help with outbreak investigations.

Refused to give shopper card #

Section 5: Sources of produce outside the home

Now I have some questions about where you ate produce outside your home, such as at restaurants or fast food chains during the 14 days before your illness began. I'm going to list several types of restaurants and commercial food establishments; for each type, please tell me the names of each place. Please refer to your restaurant receipts or credit card statements to provide a more detailed description.

19. Did you (your child) eat foods from: national fast food chains, Mexican-style, Italian, seafood, Jamaican/Cuban/Caribbean, Chinese/Indian/Japanese/Asian, Middle Eastern/Arabic/Lebanese/African vegetarian or vegan, barbecue or home-style, steakhouse or grill, all-you-can-eat buffet, sandwich shop or deli, diner, salad bar, take-out, breakfast or brunch, school or institution, food truck, or other restaurants or commercial food establishments?

Restaurant name	Address	City	State	Zip Code	Meal date	Foods eaten

Additional comments:

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Questions to be completed by interviewer:	
Is the case associated with a cluster?	
If yes, what is the cluster name?	

Section 6: Fresh herbs

Now I have some questions about fresh herbs (not canned, cooked, or frozen) that you (your child) may have eaten during the 14 days before your illness began. You could have eaten these herbs either in your home or away from home. I am only interested in fresh herbs that were not grown at home. Please remember that fresh herbs are often served as garnishes on drinks, entrees, desserts, or as part of a dish such as pesto, salsa, or a sauce. As I mention each food item, please answer yes, maybe, no, or don't know as to whether you remember having eaten the food during the 14 days before you became ill.

Yes	Maybe	No	Don't	Did you (your child) eat:	
			know		
				20. Fresh basil?	
				a. Type(s): Sweet basil Purple basil (i.e. purple leaves and	stems)
				☐ Thai basil (i.e. green leaves and purple stems	
				Other, specify:	
				b. If eaten at home, what was the:	
				Brand(s):	
				Place(s) purchased (names, locations):	
				Not applicable (did not eat at home)	
				c. If eaten <u>outside the home</u> :	
				List the name(s) of establishment(s) and location(s):	
				Not applicable (did not eat outside the home)	
				21. Fresh cilantro?	
				a. If eaten <u>at home</u> , what was the:	
				Brand(s):	
				Place(s) purchased (names, locations):	
				Not applicable (did not eat at home)	
				b. If eaten <u>outside the home</u> :	
				List the name(s) of establishment(s) and location(s):	
				Not applicable (did not eat outside the home)	
				22. Fresh parsley?	
				23. Fresh oregano?	
				24. Fresh thyme?	
				25. Fresh mint?	
				26. Fresh dill?	
				27. Fresh sage?	
				28. Fresh rosemary?	
				29. Other fresh herbs?	
·				a. Type(s):	known

Additional comments about fresh herbs: ______

Section 7: Fresh berries and fruit

Now I have some questions about fresh berries and other fruit (not canned, cooked, or frozen) that you (your child) may have eaten during the 14 days before your illness began. You could have eaten this fruit either in your home or away from home. I am only interested in fresh fruits that were not grown at home. Please remember that fruit and berries are often used in smoothies or as garnishes on top of or on the sides of salads and desserts.

Yes	Maybe	No	Don't	Did you (your child) eat:
			know	
Ш				30. Fresh red raspberries?
				a. If eaten <u>at home</u> , what was the:
				Brand(s):
				Place(s) purchased (names, locations):
				Not applicable (did not eat at home)
				b. If eaten <u>outside the home</u> :
				List the name(s) of establishment(s) and location(s):
				Not applicable (did not eat outside the home)
				31. Fresh blackberries?
				a. If eaten <u>at home</u> , what was the:
				Brand(s):
				Place(s) purchased (names, locations):
				Not applicable (did not eat at home)
				b. If eaten <u>outside the home</u> :
				List the name(s) of establishment(s) and location(s):
				Not applicable (did not eat outside the home)
				32. Fresh black raspberries?
				33. Fresh golden raspberries?
				34. Fresh strawberries?
				35. Fresh blueberries?
	Ш			36. Fresh boysenberries?
				37. Other fresh berries
				a. Type(s): Unknown
				38. Apples?
				39. Grapes?
				40. Pears?
				41. Peaches?
				42. Nectarines?
				43. Plums?
				44. Oranges?
				45. Grapefruit?
				46. Tangerines?
				47. Fresh lemon or lime? This could include a garnish on a drink.
				48. Cherries?
				49. Cantaloupe?
				50. Honeydew melon?
				51. Watermelon?
				52. Precut melon or melon salad?
				53. Other melon?
				54. Pineapple?
				55. Mango?

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Yes	Maybe	No	Don't know	Did you (your child) eat:
		П		56. Coconut (whole or shredded)?
H		一		57. Other fruit?
				a. Types: Kiwi Papaya Guava Pomegranate
				Other, specify:
				,
Additio	nal comme	ents abo	ut fresh fr	uit .
Now I heaten de home o	nave some during the or away fro	questio 14 days om home	ons about l before you e. I am onl	g, romaine, mesclun, cabbage, spinach) eafy greens (not canned, cooked, or frozen) that you (your child) may have ur illness began. You could have eaten these leafy greens either in your ly interested in leafy greens that were not grown at home. Please ight have eaten on sandwiches or burgers or as a garnish.
Yes	Maybe	No	Don't	Did you (your child) eat:
			know	
				58. Pre-made, single serving salads (e.g. ready to eat salads with toppings, meats, and dressing?)
				a. What were the: Ingredients (lettuce, cabbage, carrots, etc.): Brand(s): Place(s) purchased (names, locations):
				59. Iceberg lettuce?
				a. If eaten at home, what was the: Type(s): Prepackaged Head/Loose Topping/Garnish Unknown Brand(s): Place(s) purchased (names, locations): Not applicable (did not eat at home)
				b. If eaten <u>outside the home</u> :
				List the name(s) of establishment(s) and location(s):
				Not applicable (did not eat outside the home)
				60. Romaine lettuce?
			, Ш	a. If eaten <u>at home</u> , what was the: Type(s): Prepackaged Head/Loose Topping/Garnish Unknown Brand(s):
				Place(s) purchased (names, locations):
				Not applicable (did not eat at home)
				b. If eaten <u>outside the home</u> :
				List the name(s) of establishment(s) and location(s):
				Not applicable (did not eat outside the home)
\square				61. Mesclun lettuce (e.g. spring mix, field greens, baby greens)?
				a. If eaten at home, what was the: Type(s): Prepackaged Head/Loose Topping/Garnish Unknown Brand(s): Place(s) purchased (names, locations):

☐ Not applicable (did not eat at home)

	b. If eaten <u>outside the home</u> :			
	List the name(s) of establishment(s) and location(s):			
	Not applicable (did not eat outside the home)			
	62. Fresh cabbage?			
	a. Type(s): Red Green Savoy (aka curly) Napa			
	☐ Bok choy ☐ Brussel sprouts ☐ Other, specify:			
	b. If eaten at home, what was the:			
	Brand(s):			
	Place(s) purchased (names, locations):			
	☐ Not applicable (did not eat at home)			
	c. If eaten <u>outside the home</u> :			
	List the name(s) of establishment(s) and location(s):			
	☐ Not applicable (did not eat outside the home)			
	63. Fresh spinach?			
	a. If eaten at home, what was the:			
	Type(s): Prepackaged Head/Loose Topping/Garnish			
	Unknown			
	Brand(s):			
	Place(s) purchased (names, locations):			
	Not applicable (did not eat at home)			
	b. If eaten <u>outside the home</u> :			
	List the name(s) of establishment(s) and location(s):			
	Not applicable (did not eat outside the home)			
	64. Other lettuce or leafy greens?			
	a. Type(s): Arugula Endive Mustard greens Radicchio			
	Kale Other, specify:			
	65. Other prepackaged salad mix (not previously identified above)?			
	a. What were the:			
	Ingredients (lettuce, cabbage, carrots, etc.):			
	Brand(s):			
	Place(s) purchased (names, locations):			
Additional comments about leafy greens:				

Section 9: Other fresh vegetables

Now I have some questions about fresh vegetables (not canned, cooked, or frozen) that you (your child) may have eaten during the 14 days before your illness began. You could have eaten these vegetables either in your home or away from home. I am only interested in vegetables that were not grown at home. Please include vegetables that were eaten alone or as part of a dish.

Yes	Maybe	No	Don't	Did you (your child) eat:
			know	
				66. Cucumbers?
				67. Zucchini?
				68. Squash?
				69. Bell peppers?
				a. Type(s): Red Green Orange Yellow Unknown
				70. Hot chili/chili peppers (e.g. jalapenos or serranos)?
				71. Celery?
				72. "Mini" carrots
				73. Other fresh carrots?

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	74. Other raw root vegetables?
	a. Type(s): Radishes Beets Turnips Unknown
	Other, specify:
	75. Fresh, raw peas? (May be shelled or in the pod)
	a. Type(s): Garden peas Snow peas (i.e. flat, shiny pods containing
	peas) Sugar snap peas (i.e. plump, crisp, edible pods) Unknown
	Other, specify:
	a. If eaten <u>at home</u> , what was the:
	Brand(s):
	Place(s) purchased (names, locations):
	Not applicable (did not eat at home)
	b. If eaten <u>outside the home</u> :
	List the name(s) of establishment(s) and location(s):
	Not applicable (did not eat outside the home)
	76. Broccoli?
 	77. Cauliflower?
	78. Sprouts? 79. Raw onions? (Of note: green onions/scallions are addressed in the
	next question)
	a. Type(s): White Yellow Red/Purple Unknown
	Other, specify:
	80. Raw green onions/scallions?
	81. Fresh tomatoes?
	a. Type(s): Red round Roma (oval-shaped) Grape/Cherry (bite-
	sized) Unknown Other, specify:
	82. Salsa or pico de gallo (not from a jar)?
	a. If eaten at home, what was the:
	Brand(s):
	Place(s) purchased (names, locations):
	Not applicable (did not eat at home)
	b. If eaten <u>outside the home</u> :
	List the name(s) of establishment(s) and location(s):
	Not applicable (did not eat outside the home)
	83. Fresh guacamole (not from a jar)?
	a. If eaten <u>at home</u> , what was the:
	Brand(s):
	Place(s) purchased (names, locations):
	Not applicable (did not eat at home) b. If eaten outside the home:
	List the name(s) of establishment(s) and location(s):
	Not applicable (did not eat outside the home)
	·
Additional comments, including other	er types of fresh vegetables:

This completes the interview. Thank you very much for your time. Depending on what we find when we put these interviews together, we may need to talk to you again about a few details. Would you like to provide any additional thoughts about anything we've discussed or about this outbreak investigation?
