Case Exposure Ascertainment (CEA) – FoodNet
Pilot 2: Proposed Data Collection Tool
July 3, 2012

Table 1: Variable names, components, and sample questions for CEA pilot 2

Variable name	Question number	Minimum required exposure components *(in the 7 days before illness)*	Response values	Question examples at or below 8th grade reading level* *(In the 7 days before illness, would you/your child have…)*	Sites' question(s) for collecting min. required exposure components *(To be filled out by sites)*
Travel					
dom_travel	Q1	1. domestic travel	1 = Yes 2 = No	…traveled within the US but outside of the area where you live or work?	
Foodborne					
Out_freq	Q2	1. quantify times ate outside of home	[number]	How many times would you/your child have eaten out (deli, fast food, or other restaurant)?**	
Chx_handle	Q3	1. handle raw chicken in home 2. anyone in household handle raw chicken	1 = Yes 2 = No	Would you/your child, or anyone in your household, have handled raw chicken in the home?	
chicken	Q4	1. quantify times consumed chicken or foods containing chicken	[number] **(If value = 0, skip to Q13)**	How many times would you/your child have eaten chicken or any foods containing chicken?**	
Chx_uncook	Q5	1. consume undercooked chicken 2. consume raw chicken	1 = Yes 2 = No	…eaten any chicken that was undercooked or raw?	
chx_ground	Q6	1. consume ground chicken	1 = Yes 2 = No	…eaten any ground chicken?	
Chx_whole	Q7	1. consume whole or cut chicken parts	1 = Yes 2 = No	…eaten any whole or cut chicken parts (e.g., rotisserie,	

				chicken breasts, wings, etc.)?	
chx_processed	Q8	1. consume processed chicken products	1 = Yes 2 = No	…eaten any processed chicken (e.g., deli meat, chicken nuggets, pre-made dinners, etc.)?**	
Chx_outside	Q9	1. consume chicken prepared away from home	1 = Yes 2 = No	…eaten any chicken made outside of home (deli, fast food, take-out, or restaurant)?**	
Chx_home	Q10	1. consume chicken prepared at [a] home	1 = Yes 2 = No **(If value = No, skip to Q13)**	…eaten any chicken made at home?	
Chx_fresh	Q11	1. consume chicken that was bought fresh (refrigerated)	1 = Yes 2 = No	Was the chicken bought fresh (refrigerated)?	
Chx_frozen	Q12	1. consume chicken that was bought frozen	1 = Yes 2 = No	Was the chicken bought frozen?	
Turkey_handle	Q13	1. handle raw turkey 2. anyone in household handle raw turkey	1 = Yes 2 = No	Would you/your child, or anyone in your household, have handled raw turkey in the home?	
Turkey	Q14	1. consume turkey 2. consume foods that contained turkey	1 = Yes 2 = No **(If value = No, skip to Q21)**	…eaten any turkey or any foods containing turkey?**	
Turkey_uncook	Q15	1. consume undercooked turkey 2. consume raw turkey	1 = Yes 2 = No	…eaten any turkey that was undercooked or raw?	
Turkey_ground	Q16	1. consume ground turkey	1 = Yes 2 = No	…eaten any ground turkey?	
Turkey_whole	Q17	1. consume whole or cut turkey parts	1 = Yes 2 = No	…eaten any whole or cut turkey parts?	
Turkey_processed	Q18	consume processed turkey products	1 = Yes 2 = No	…eaten any processed turkey (e.g., deli meat,	

				bacon, sausage, pre-made dinners, etc.)?**	
Turkey_outside	Q19	1. consume turkey prepared outside of home	1 = Yes 2 = No	…eaten any turkey made outside of home (deli, fast food, take-out, or restaurant)?**	
Turkey_home	Q20	1. consume turkey prepared at [a] home	1 = Yes 2 = No	…eaten any turkey made at home?	
Other_poultry	Q21	1. consume poultry other than chicken or turkey	1 = Yes 2 = No	…eaten any poultry other than chicken or turkey (e.g., duck, cornish hens, quail, etc.)?	
Beef_handle	Q22	1. handle raw beef 2. anyone in household handle raw beef	1 = Yes 2 = No	Would you/your child, or anyone in household, have handled raw beef in the home?	
Beef	Q23	1. consume beef or foods containing beef	1 = Yes 2 = No **(If value = No, skip to Q32)**	…eaten beef or any foods containing beef?	
Beef_uncook	Q24	1. consume undercooked beef 2. consume raw beef	1 = Yes 2 = No	…eaten any beef that was undercooked or raw?	
Beef_ground	Q25	1. consume ground beef	1 = Yes 2 = No	…eaten any ground beef?	
Beef_whole	Q26	1. consume whole or cut beef parts	1 = Yes 2 = No	…eaten any whole or cut beef parts (e.g., steaks, roasts, etc.)?	
Beef_processed	Q27	1. consume processed beef products	1 = Yes 2 = No	…eaten any processed beef (e.g., deli meat, sausage, jerky, pre-made dinners, etc.)?**	
Beef_outside	Q28	1. consume beef prepared outside of home	1 = Yes 2 = No	…eaten any beef made outside of home (deli, fast food, take-out, or restaurant)?**	

Beef_home	Q29	1. consume beef prepared at [a] home	1 = Yes 2 = No **(If value = No, skip to Q32)**	…eaten any beef made at home?	
Beef_fresh	Q30	1. consume beef that was bought fresh (refrigerated)?	1 = Yes 2 = No	Was the beef bought fresh (refrigerated)?	
Beef_frozen	Q31	1. consume beef that was bought frozen?	1 = Yes 2 = No	Was the beef bought frozen?	
Pork_handle	Q32	1. handle raw pork 2. anyone in household handle raw pork	1 = Yes 2 = No	Would you/your child, or anyone in your household, have handled raw pork in the home?	
Pork	Q33	1. consume pork or foods containing pork	1 = Yes 2 = No **(If value = No, skip to Q37)**	…eaten pork or any foods containing pork?	
pork_uncook	Q34	1. consume undercooked pork 2. consume raw pork	1 = Yes 2 = No	…eaten any undercooked or raw pork?	
pork_whole	Q35	1. consume whole or cut pork parts	1 = Yes 2 = No	..eaten any whole or cut pork parts (e.g., ham shank, pork chops, chitlins, etc.)?	
pork_processed	Q36	1. consume processed pork products	1 = Yes 2 = No	…eaten any processed pork (e.g., deli meat [like ham slices], bacon, sausage, etc.)?**	
Lamb	Q37	1. consume lamb	1 = Yes 2 = No	…eaten any lamb?	
Seafood	Q38	1. consume any non-fish seafood, including: 2. crustaceans 3. mollusks	1 = Yes 2 = No **(If value = No, skip to Q40)**	…eaten any non-fish seafood (e.g., crab, shrimp, oysters, clams, etc.) that was not from a can?	
seafood_uncook	Q39	1. consume undercooked non-fish seafood	1 = Yes 2 = No	…eaten any non-fish seafood that was undercooked or raw	

		2. raw non-fish seafood		(e.g., raw oysters, clams, etc.)?	
Fish	Q40	1. consume any fish or fish products that was processed or unprocessed (excluding canned fish)	1 = Yes 2 = No **(If value = No, skip to Q43)**	…eaten any fish or fish products (processed or unprocessed) that was not from a can?	
Fish_uncook	Q41	1. consume undercooked fish 2. consume raw fish	1 = Yes 2 = No	…eaten any fish that was undercooked or raw (e.g., sushi, etc.)?	
Fish_whole	Q42	1. consume unprocessed fish (whole or fish filets)	1 = Yes 2 = No	…eaten any whole fish or fish filets (unprocessed fish)?	
eggs	Q43	1. consume eggs or foods containing eggs	1 = Yes 2 = No **(If value = No, skip to Q47)**	…eaten eggs or any foods containing eggs?	
eggs_outside	Q44	1. consume eggs prepared outside of home	1 = Yes 2 = No	…eaten any eggs made away outside of home (deli, fast food, take-out, or restaurant)?**	
eggs_home	Q45	1. consume eggs prepared at [a] home	1 = Yes 2 = No	…eaten any eggs made at home?	
eggs_uncook	Q46	1. consume runny/undercooked eggs 2. consume raw eggs or uncooked foods made with raw eggs	1 = Yes 2 = No	…eaten any eggs that were runny or raw, or uncooked foods made with raw eggs?	
Dairy	Q47	1. consume dairy products	1 = Yes 2 = No **(If value = No, skip to Q49)**	…eaten or drank any dairy products (e.g., milk, yogurt, cheese, ice cream, etc.)?	
Queso_fresco	Q48	1. consume queso fresco, queso blanco 2. consume other type of soft Mexican-style	1 = Yes 2 = No	…eaten any queso fresco, queso blanco, or other type of Mexican-style soft cheese?**	

		cheese			
Dairy_uncook	Q49	1. consume raw (unpasteurized) dairy products	1 = Yes 2 = No	…eaten or drank any dairy products that were raw or unpasteurized (e.g., raw milk, or cheeses, yogurts, and ice cream made from raw milk)?**	
Cantaloupe	Q50	1. consume fresh cantaloupe	1 = Yes 2 = No	…eaten any fresh cantaloupe?**	
Strawberries	Q51	1. consume unfrozen, fresh strawberries	1 = Yes 2 = No	…eaten any fresh (unfrozen) strawberries?**	
Other_berries	Q52	1. consume other unfrozen, fresh berries	1 = Yes 2 = No	…eaten any other fresh (unfrozen) berries?**	
Watermelon	Q53	1. consume fresh watermelon	1 = Yes 2 = No	…eaten any fresh watermelon?**	
Apples	Q54	1. consume fresh apples	1 = Yes 2 = No	…eaten any fresh apples?	
Honeydew	Q55	1. consume fresh honeydew melon	1 = Yes 2 = No	…eaten any fresh honeydew melon?**	
Pineapple	Q56	1. consume fresh pineapple	1 = Yes 2 = No	…eaten any fresh pineapple?**	
Raw_cider	Q57	1. consume raw cider or juice	1 = Yes 2 = No	…drank any unpasteurized juice or cider?**	
Other_fruit	Q58	1. consume other fruit (fresh or frozen) 2. consume other fruit juice	1 = Yes 2 = No	…eaten any other fruit (fresh or frozen) or drank other fruit juices?	
Nuts_uncook	Q59	1. consume raw nuts	1 = Yes 2 = No	…eaten any raw or uncooked nuts?	
Lettuce	Q60	1. consume fresh, raw lettuce	1 = Yes 2 = No	…eaten any fresh, raw lettuce?	
Cabbage	Q61	1. consume fresh, raw cabbage	1 = Yes 2 = No	…eaten any fresh, raw cabbage?	
Spinach	Q62	1. consume fresh (unfrozen), raw spinach	1 = Yes 2 = No	…eaten any fresh (unfrozen), raw spinach?	
Broccoli	Q63	1. consume fresh (unfrozen), raw broccoli	1 = Yes 2 = No	…eaten any fresh (unfrozen), raw broccoli?**	

Tomatoes	Q64	1. consume fresh, raw tomatoes	1 = Yes 2 = No	…eaten any fresh, raw tomatoes?	
Onions	Q65	1. consume fresh (unfrozen), raw onions	1 = Yes 2 = No	..eaten any fresh (unfrozen), raw onions?	
Carrots	Q66	1. consume fresh (unfrozen), raw carrots	1 = Yes 2 = No	…eaten any fresh (unfrozen), raw carrots?	
Sprouts	Q67	1. consume fresh, raw sprouts	1 = Yes 2 = No	…eaten any fresh, raw sprouts?	
Herbs	Q68	1. consume fresh herbs	1 = Yes 2 = No	…eaten any fresh (not dried) herbs?	
Other_veggies	Q69	1. consume other vegetables (fresh or frozen) 2. consume vegetable juice	1 = Yes 2 = No	…eaten any other vegetables (fresh or frozen) or drank any vegetable juices?**	
Infant	Q70	For children under 1 year old (all that apply): 1. consume breast milk 2. consume infant formula 3. consume other milk	(all that apply) 1 = breast milk 2 = formula 3 = other milk 4 = N/A **(For reporting purposes, use the following for multiple responses:** **5 = #1 & #2** **6 = #1 & #3** **7 = #2 & #3** **8 = #1-3** **9 = any combo that includes #4**	If you are answering for an ill infant aged 1 year or younger, are they drinking (select all that apply): -breast milk -infant formula -other milk -not applicable	
Waterborne					
Well_water	Q71	1. Consumed water from a well	1 = Yes 2 = No	…drank any water from a well?	
Other_untreated	Q72	1. Consumed any water from a natural spring, lake, pond, stream, or river	1 = Yes 2 = No	…swallowed or drank any water directly from a natural spring, lake, pond, stream, or river?**	
swim_unchlor	Q73	Contact with a(n): 1. ocean 2. lake	1 = Yes 2 = No	…swam in, waded in, or entered an ocean, lake, pond,	

		3. pond 4. river 5. stream 6. natural spring		river, stream, or natural spring?	
Person-Person					
sick_contacts	Q74	1. household member with diarrhea 2. close contact with someone that had diarrhea	1 = Yes 2 = No	Was there a household member or a close contact with diarrhea?**	
Diaper_contact	Q75	1. contact with dirty diapers	1 = Yes 2 = No	…had contact with dirty diapers?**	
shared_facility	Q76	1. live, work or volunteer at residential facility	1 = Yes 2 = No	…lived, worked, or volunteered in a shared living facility (e.g., dorm, nursing home, etc.)?**	
Daycare	Q77	1. work or volunteer at a daycare 2. household member that attends daycare	1 = Yes 2 = No	Would you/your child, or anyone in your house, have attended, worked, or volunteered at a day care?**	
Environmental					
sick_pet	Q78	1. pet(s) with diarrhea	1 = Yes 2 = No	…had any contact with a pet that had diarrhea?	
Reptile_amphib	Q79	1. reptile contact 2. amphibian contact	1 = Yes 2 = No	…had any contact with a reptile or amphibian (e.g., frog, snake, turtle, etc.)?**	
Outdoors	Q80	1. extensive outdoor activities like hiking, camping, gardening, or yardwork	1 = Yes 2 = No	…done any hiking, camping, gardening, or yard work?	
manure_compost	Q81	1. contact with animal manure 2. contact with compost	1 = Yes 2 = No	…had any contact with animal manure, pet feces, or compost?**	
farm_ranch	Q82	1. farm 2. ranch 3. petting zoo	1 = Yes 2 = No **(If value = No, survey is**	…visited, worked, or lived on farm, ranch, petting zoo, or other	

		4. any other setting with farm animals	**complete)**	setting that has farm animals?**	
Live_poultry	Q83	1. exposure to live poultry	1 = Yes 2 = No	Were there any live poultry (e.g., chickens, turkeys, hens, etc.)?	
Cattle_others	Q84	1. exposure to cattle 2. exposure to goats 3. exposure to sheep	1 = Yes 2 = No	Were there any cattle, goats, or sheep?	
Other_animals	Q85	1. exposure to other farm animals	1 = Yes 2 = No	Were there any other farm animals (e.g., pigs, horses, etc.)?	

*At or below 8th grade reading level (determined by Flesch-Kincaid readability test) unless otherwise noted
**At reading level above 8th grade