## 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	expo	nimum required sure components the 7 days before illness)	Response values	Question examples at or below 8 <sup>th</sup> 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		- 1	da a a de la casa da	4	the state of the	
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 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. 2.	consume undercooked chicken 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,	

				1	Label and transfer	$\overline{}$
					chicken breasts,	
					wings, etc.)?	
chx_processed		1.	consume	1 = Yes	eaten any	
			processed	2 = No	processed chicken	
	Q8		chicken products		(e.g., deli meat,	
	Qΰ		<b>,</b>		chicken nuggets,	
					pre-made dinners,	
					etc.)?**	
Chx_outside		1.	consume chicken	1 = Yes	eaten any chicken	
			prepared away	2 = No	made outside of	
	Q9		from home		home (deli, fast	
					food, take-out, or	
					restaurant)?**	
Chx_home		1.	consume chicken	1 = Yes	eaten any chicken	
_	010		prepared at [a]	2 = No (If value	made at home?	
	Q10		home	= No, skip to		
				Q13)		
Chx_fresh		1.	consume chicken	1 = Yes	Was the chicken	
_	011		that was bought	2 = No	bought fresh	
	Q11		fresh		(refrigerated)?	
			(refrigerated)		, , ,	
Chx_frozen		1.	consume chicken	1 = Yes	Was the chicken	
_	Q12		that was bought	2 = No	bought frozen?	
	•		frozen			
Turkey_handle		1.	handle raw	1 = Yes	Would you/your	
,_			turkey	2 = No	child, or anyone in	
		2.	anyone in		your household,	
	Q13		household		have handled raw	
			handle raw		turkey in the home?	
			turkey		,	
Turkey		1.	consume turkey	1 = Yes	eaten any turkey	
,		2.	consume foods	2 = No (If value	or any foods	
	Q14		that contained	= No, skip to	containing	
			turkey	Q21)	turkey?**	
Turkey_uncook		1.	consume	1 = Yes	eaten any turkey	
7			undercooked	2 = No	that was	
	Q15		turkey		undercooked or	
		2.	consume raw		raw?	
			turkey			
Turkey_ground	<u> </u>	1.	consume ground	1 = Yes	eaten any ground	$\neg$
/_5	Q16		turkey	2 = No	turkey?	
Turkey_whole		1.	consume whole	1 = Yes	eaten any whole	
	Q17		or cut turkey	2 = No	or cut turkey parts?	
	•		parts		, , , , , , , , , , , , , , , , , , , ,	
Turkey_processed			consume	1 = Yes	eaten any	
/_ //	Q18		processed turkey	2 = No	processed turkey	
	• •		products		(e.g., deli meat,	
		I	F - 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1	1-0/	

				bacon, sausage, pre- made dinners,
				etc.)?**
Turkey_outside	Q19	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	consume turkey     prepared at [a]     home	1 = Yes 2 = No	eaten any turkey made at home?
Other_poultry	Q21	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	<ol> <li>handle raw beef</li> <li>anyone in         household         handle raw beef</li> </ol>	1 = Yes 2 = No	Would you/your child, or anyone in household, have handled raw beef in the home?
Beef	Q23	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	<ol> <li>consume         undercooked         beef</li> <li>consume raw         beef</li> </ol>	1 = Yes 2 = No	eaten any beef that was undercooked or raw?
Beef_ground	Q25	<ol> <li>consume ground beef</li> </ol>	1 = Yes 2 = No	eaten any ground beef?
Beef_whole	Q26	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	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	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. 2.	handle raw pork 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	<ol> <li>2.</li> </ol>	consume undercooked pork 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. 2. 3.	consume any non-fish seafood, including: crustaceans 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. 2.	undercooked 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	2.	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. 2.	consume queso fresco, queso blanco 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.		1 = Yes	eaten or drank any
Bun y_unecok	Qis		(unpasteurized)	2 = No	dairy products that
			dairy products		were raw or
			daily products		unpasteurized (e.g.,
					raw milk, or
					-
					cheeses, yogurts, and ice cream made
Cantalanna	050	4		1 V	from raw milk)?**
Cantaloupe	Q50	1.	consume fresh	1 = Yes	eaten any fresh
			cantaloupe	2 = No	cantaloupe?**
Strawberries	Q51	1.	consume	1 = Yes	eaten any fresh
			unfrozen, fresh	2 = No	(unfrozen)
			strawberries		strawberries?**
Other_berries	Q52	1.	consume other	1 = Yes	eaten any other
			unfrozen, fresh	2 = No	fresh (unfrozen)
			berries		berries?**
Watermelon	Q53	1.	consume fresh	1 = Yes	eaten any fresh
			watermelon	2 = No	watermelon?**
Apples	Q54	1.	consume fresh	1 = Yes	eaten any fresh
			apples	2 = No	apples?
Honeydew	Q55	1.	consume fresh	1 = Yes	eaten any fresh
,	·		honeydew melon	2 = No	honeydew
			,		melon?**
Pineapple	Q56	1.	consume fresh	1 = Yes	eaten any fresh
	400		pineapple	2 = No	pineapple?**
Raw_cider	Q57	1.	consume raw	1 = Yes	drank any
nav_ciaei	ς,		cider or juice	2 = No	unpasteurized juice
			ciaci oi jaice	2 110	or cider?**
Other_fruit	Q58	1.	consume other	1 = Yes	eaten any other
Other_iralt	QJ0	1.	fruit (fresh or	2 = No	fruit (fresh or
			frozen)	Z - INO	frozen) or drank
		2	consume other		other fruit juices?
		۷.			other truit juices?
Niuta unasali	050	1	fruit juice	1 - Voc	aatan any raw ar
Nuts_uncook	Q59	1.	consume raw	1 = Yes	eaten any raw or
			nuts	2 = No	uncooked nuts?
Lettuce	Q60	1.	consume fresh,	1 = Yes	eaten any fresh,
			raw lettuce	2 = No	raw lettuce?
Cabbage	Q61	1.	consume fresh,	1 = Yes	eaten any fresh,
			raw cabbage	2 = No	raw cabbage?
Spinach	Q62	1.	consume fresh	1 = Yes	eaten any fresh
			(unfrozen), raw	2 = No	(unfrozen), raw
			spinach		spinach?
Broccoli	Q63	1.	consume fresh	1 = Yes	eaten any fresh
			(unfrozen), raw	2 = No	(unfrozen), raw
			broccoli		broccoli?**
1		1		I	1 1

Tomatoes	Q64	1	consume fresh,	1 = Yes	eaten any fresh,
Tomatoes	Q04	1.	raw tomatoes	2 = No	raw tomatoes?
Onions	Q65	1	consume fresh	1 = Yes	eaten any fresh
Officials	Qus	1.		2 = No	
			(unfrozen), raw onions	2 - NO	(unfrozen), raw onions?
	066			4 V.	
Carrots	Q66	1.	consume fresh	1 = Yes	eaten any fresh
			(unfrozen), raw	2 = No	(unfrozen), raw
_			carrots		carrots?
Sprouts	Q67	1.	consume fresh,	1 = Yes	eaten any fresh,
			raw sprouts	2 = No	raw sprouts?
Herbs	Q68	1.	consume fresh	1 = Yes	eaten any fresh
			herbs	2 = No	(not dried) herbs?
Other_veggies	Q69	1.	consume other	1 = Yes	eaten any other
			vegetables (fresh	2 = No	vegetables (fresh or
			or frozen)		frozen) or drank any
		2.	consume		vegetable juices?**
			vegetable juice		
Infant		For chil	dren under 1 year	(all that apply)	If you are answering
			that apply):	1 = breast milk	for an ill infant aged
		1	consume breast	2 = formula	1 year or younger,
			milk	3 = other milk	are they drinking
		2	consume infant	4 = N/A	(select all that
			formula	(For reporting	apply):
		2	consume other	purposes, use	-breast milk
		٥.	milk	the following	-infant formula
	Q70		IIIIK	_	-other milk
				for multiple	
				responses:	-not applicable
				5 = #1 & #2	
				6 = #1 & #3	
				7 = #2 & #3	
				8 = #1-3	
				9 = any combo	
				that includes #4	
Waterborne					
Well_water		1.	Consumed water	1 = Yes	drank any water
	Q71		from a well	2 = No	from a well?
Other_untreated		1.	Consumed any	1 = Yes	swallowed or
_			water from a	2 = No	drank any water
			natural spring,		directly from a
	Q72		lake, pond,		natural spring, lake,
			stream, or river		pond, stream, or
			23. 23, 31 11121		river?**
swim_unchlor		Contact	t with a(n):	1 = Yes	swam in, waded
Swiiii_uiiciii0f	072				
	Q73		ocean	2 = No	in, or entered an
		2.	lake		ocean, lake, pond,

	1		1		Τ
		3.	pond		river, stream, or
		4.	river		natural spring?
		5.	stream		
		6.	natural spring		
Person-Person					
sick_contacts		1.	household	1 = Yes	Was there a
			member with	2 = No	household member
	Q74		diarrhea		or a close contact
	۷, ۱	2.	close contact		with diarrhea?**
			with someone		
			that had diarrhea		
Diaper_contact	Q75	1.	contact with dirty	1 = Yes	had contact with
	۷,5		diapers	2 = No	dirty diapers?**
shared_facility		1.	live, work or	1 = Yes	lived, worked, or
			volunteer at	2 = No	volunteered in a
	Q76		residential		shared living facility
			facility		(e.g., dorm, nursing
					home, etc.)?**
Daycare		1.	work or	1 = Yes	Would you/your
			volunteer at a	2 = No	child, or anyone in
	Q77		daycare		your house, have
	ζ,,	2.			attended, worked,
			member that		or volunteered at a
			attends daycare		day care?**
Environmental					
sick_pet		1.	• • •	1 = Yes	had any contact
	Q78		diarrhea	2 = No	with a pet that had
					diarrhea?
Reptile_amphib		1.	reptile contact	1 = Yes	had any contact
		2.	amphibian	2 = No	with a reptile or
	Q79		contact		amphibian (e.g.,
					frog, snake, turtle,
					etc.)?**
Outdoors		1.	extensive	1 = Yes	done any hiking,
			outdoor activities	2 = No	camping, gardening,
	000		like hiking,		or yard work?
	Q80		camping,		
			gardening, or		
			yardwork		
manure_compost		1.	contact with	1 = Yes	had any contact
	001		animal manure	2 = No	with animal manure,
	Q81	2.	contact with		pet feces, or
			compost		compost?**
farm_ranch		1.	farm	1 = Yes	visited, worked, or
	Q82	2.	ranch	2 = No (If value	lived on farm, ranch,
		3.	petting zoo	= No, survey is	petting zoo, or other
1			<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>

		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		exposure to cattle exposure to goats 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.)?

<sup>\*</sup>At or below 8th grade reading level (determined by Flesch-Kincaid readability test) unless otherwise noted

\*\*At reading level above 8th grade