

## Appendix G. Cognitive Interview Questionnaire

### Comparing Food Safety Knowledge, Attitude and Behavior among English-dominant Hispanics, Spanish-dominant Hispanics, and Other Consumers

*Form Approved: OMB No. 0910-xxxx*

*Expiration Date: xx/xx/201x*

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#### **SECTION A. FOOD CONSUMPTION**

[ALL RESPONDENTS]

**T2.**

How often do you prepare dinners in your home, for yourself and/or for others?

1. All or nearly all of the time
2. Only some of the time
3. Never
8. Don't know/no opinion

[ALL RESPONDENTS]

T3.

In the past 30 days, about how often did you eat out at or bring home ready-to-eat foods from each of the following places? Please select an answer for each place.

[RANDOMIZE ITEMS, EXCEPT "OTHER"]

1. 10 or more times in the past 30 days
2. 5-9 times
3. 1-4 times
4. Never
8. Don't know/no opinion

Relatives' or friends' homes

Fast food restaurants such as McDonald's, Taco Bell, KFC, El Pollo Loco, Green Burrito

Sit down restaurants such as Applebee's, Chili's, Red Lobster

Buffet restaurants such Cici's, Golden Corral

Grocery stores where you can buy hot or cold ready-to-eat food (Safeway, Kroger, Publix)

A cafeteria at school or work

Vending machines

On-street vendors such as food trucks, carts, wagons

Other (for example, corner stores such as 7-Eleven, gas stations, quick marts and bakeries)

Probe: Was there anything about this question that you found difficult to understand or was not clear?

[ALL RESPONDENTS]

T5.

In the past 30 days, have you **eaten** each of the following foods or dishes, whether they were prepared by a restaurant or someone else? Please select an answer for each food.

[RANDOMIZE ITEMS]

1. Yes
2. No
3. I don't eat this food at all/I am not familiar with this food
8. Don't know/no opinion

Mexican salsa

Beans

Avocado

Tortillas

Vegetable salad

Chicken dishes (e.g., arroz con pollo)

Dishes with ground beef (e.g., tacos)

Dishes with beef or other meats

Dishes with fish/seafood

Probe: Was there anything about this question that you found difficult to understand or was not clear?

[ALL RESPONDENTS]

**A5.**

In the past 12 months, have you eaten any of these foods raw or uncooked? Please select an answer for each food. [RANDOMIZE ITEMS]

1. Yes
2. No
8. Don't know/no opinion

chicken

beef

eggs

alfalfa sprouts, bean sprouts, or other sprouts

shellfish, such as clams, oysters, shrimp

fish such as ceviche or sushi

vegetables such as those in salads

**Probe: In your own words, please tell me what this question is asking?**

**D9.** [ALL RESPONDENTS]

In the past 6 months, about how often did you **eat** hamburgers?

1. 4 or more times a month (once a week or more often)
2. 2-3 times a month
3. Once or less than once a month
4. I don't eat hamburgers at all [SKIP TO E1]
8. Don't know/no opinion [SKIP TO E1]

[IF D9='1-3']

**D9a.**

How do you prefer your hamburgers cooked?

1. RARE OR MEDIUM RARE
2. MEDIUM
3. MEDIUM WELL
4. WELL DONE
8. Don't know/no opinion

[ALL RESPONDENTS]

**D9c.**

In the past 6 months, about how often did you **cook** hamburgers at home for yourself and/or for others?

1. 4 or more times a month (once a week or more often)
2. 2-3 times a month
3. Once or less than once a month

4. I don't cook hamburgers at home for myself or for others
8. Don't know/no opinion

[IF D9C='1-3']

**D9d.**

How do you tell when a hamburger is ready? Please select all that apply. [RANDOMIZE ITEMS 1-6]

1. The color of the burger
2. The color of the juice
3. How firm or soft the burger feels
4. The texture of the burger
5. The temperature of the burger
6. The time the burger has cooked
7. Other (please specify)
8. Don't know/no opinion

Probe: Was there anything about this question that you found difficult to understand or was not clear?

[ALL RESPONDENTS]

**A5a.**

In the past 12 months, have you eaten any queso fresco, queso blanco or any other soft cheeses?

1. Yes
2. No
8. Don't know/no opinion

[IF A5a=YES]

**A5y.**

Where did you get the soft cheese? Please check all that apply.

1. Stores that sell ONLY Latin or Spanish foods
2. Stores that sell Latin, Spanish, AND other foods
3. Restaurants
4. Farmers markets
5. Made by myself, my family or friends
6. Brought from abroad as gift from friends or family members
7. Other (specify)
8. Don't know/no opinion

Probe: Was there anything about this question that you found difficult to understand or was not clear? What are the differences, if any, between the first two items?

[ALL RESPONDENTS]

**A5b.**

In the past 12 months, have you drunk any raw or unpasteurized milk?

1. Yes
2. No
3. Don't know what raw or unpasteurized milk is
8. Don't know/no opinion

[IF A5b=YES]

**A5z.**

Where did you get the raw or unpasteurized milk? Please check all that apply.

1. Stores that sell ONLY Latin or Spanish foods
2. Stores that sell Latin, Spanish, AND other foods
3. Restaurants
4. Farmers markets
5. Made by myself, my family or friends
6. Other (specify)
8. Don't know/no opinion

### **SECTION B. FOOD HANDLING PRACTICES**

[IF T2=1 OR 2 – meal preparers]

**T5a.**

In the past 30 days, have you **prepared or cooked** any of the following foods in your home for yourself and/or for others? Please select an answer for each food.

[RANDOMIZE ITEMS]

1. Yes
2. No
3. I am not familiar with this food
8. Don't know/no opinion

Mexican Salsa

Beans

Avocado

Tortillas

Vegetable salad

Chicken dishes (e.g., arroz con pollo)

Dishes with ground beef (e.g., tacos)

Dishes with beef or other meats

Dishes with fish/seafood

[IF T2=1 or 2, meal preparers]

**D4.**

Before you begin preparing food, how often do you wash your hands with soap?

1. All of the time

2. Most of the time
3. Some of the time, or
4. Rarely
8. Don't know/no opinion

**D6.**

In the past 30 days, have you prepared any meals at home where you began with any of the following products? Please select an answer for each food. [RANDOMIZE ITEMS]

1. Yes
2. No
8. Don't know/no opinion

Raw meat or chicken  
Raw fish or shellfish  
Raw eggs

[IF D6 "raw eggs"=YES]

**D11a.**

After you have cracked open raw or uncooked eggs, do you wash your hands before doing anything else?

1. Yes
2. No
8. Don't know/no opinion

Probe: Was there anything about this question that you found difficult to understand or was not clear?

[IF D6 "raw meat or chicken"=YES]

**D11b.**

After you have handled raw or uncooked meat or chicken, do you wash your hands before doing anything else?

1. Yes
2. No
8. Don't know/no opinion

[IF D6 "raw meat or chicken"=YES]

**D11c.**

If you need to cut raw meat (or raw chicken) and other foods (either raw or cooked) for the same meal, do you cut all foods? [RANDOMIZE ITEMS 1-2]

1. on the same cutting board or surface
2. on different cutting boards or surfaces
3. Other (specify)

4. I don't cut raw meat (or raw chicken) and other foods (either raw or cooked) for the same meal
8. Don't know/no opinion

Probe: Was there anything about this question that you found difficult to understand or was not clear?

[IF D11c = on the same cutting board or surface]

D11ca.

After you have used a cutting board or other surface for cutting raw meat or raw chicken, which of the following do you do next? [RANDOMIZE ITEMS 1-4]

1. use the cutting board or the surface as it is for cutting other foods for the same meal
2. rinse or wipe the board or the surface before using it to cut other foods for the same meal
3. wash the board or the surface with soap before using it to cut other foods for the same meal
4. wash the board or the surface with bleach or disinfectant before using it to cut other foods for the same meal
5. other (specify)
8. Don't know/no opinion

Probe: Was there anything about this question that you found difficult to understand or was not clear?

[IF D6 "raw meat or chicken"=YES]

D11b.

Do you wash raw meat or raw chicken before cooking it?

1. Yes
2. No
8. Don't know/no opinion

[IF D6 "raw fish or shellfish"=YES]

D11d.

If you need to cut raw fish (or raw shellfish) and other foods (either raw or cooked) for the same meal, do you cut all foods? [RANDOMIZE ITEMS 1-2]

1. on the same cutting board or surface
2. on different cutting boards or surfaces
3. Other (specify)
4. I don't cut raw fish (or raw shellfish) and other foods (either raw or cooked) for the same meal
8. Don't know/no opinion

[IF D11d = on the same cutting board or surface]

D11e.

After you have used a cutting board or other surface for cutting raw fish or raw shellfish, which of the following do you do next? [RANDOMIZE ITEMS 1-4]

1. use the cutting board or the surface as it is for cutting other foods for the same meal
2. rinse or wipe the board or the surface before using it to cut other foods for the same meal
3. wash the board or the surface with soap before using it to cut other foods for the same meal
4. wash the board or the surface with bleach or disinfectant before using it to cut other foods for the same meal
5. other (specify)
8. Don't know/no opinion

[IF T2=1 or 2 meal preparers]

**E1.**

If you cook a large pot of soup, stew, or other food with meat or chicken and want to save it for the next day or another time, do you put the food in a refrigerator?

1. Yes
2. No
3. I don't cook these foods
4. I don't use/have a refrigerator
8. Don't know/no opinion

[IF E1=YES]

**E1a.**

When do you put soup, stew, or other food with meat or chicken that you want to save for the next day or another time in a refrigerator?

1. Immediately after it is cooked
2. After first cooling it at room temperature
3. After first cooling it in cold water
4. Other (specify)
8. Don't know/no opinion

[IF T2=1 or 2 meal preparer]

**H0.**

In your home, do you have a food thermometer that can be used during cooking?

1. Yes
2. No
3. I don't know what a food thermometer is
8. Don't know/no opinion

[IF H0=YES]

H1.

Do you use a food thermometer when cooking each of the following foods? Please select an answer for each of them. [RANDOMIZE ITEMS]

1. Yes
2. No
3. I don't cook this food
8. Don't know/no opinion

Hamburgers  
Roasted meat  
Whole chicken  
Chicken parts  
Baked egg dishes such as custard, pudding, quiche

[ALL RESPONDENTS]

S0.

In the past 30 days, about how often did you use a microwave to prepare foods such as frozen pizzas, frozen pot pies, and frozen TV dinners?

1. Daily
2. Weekly
3. Monthly
4. Less than once a month
5. I don't prepare these foods in the microwave
6. I don't own or use a microwave
8. Don't know/no opinion

### **SECTION C. FOOD SAFETY INFORMATION**

[ALL RESPONDENTS]

P1.

If you want to find information on how to handle or cook food safely, the symptoms of people who got sick from eating unsafe food, or food recalls, where would you go? Select all that apply. [RANDOMIZE ITEMS]

1. Yes
2. No
8. Don't know/no opinion

Government websites or publications  
TV or radio  
Internet such as Facebook, Twitter, WebMD, blogs  
Newspapers or magazines  
Friends and family  
Doctors or other healthcare providers

Probe: Was there anything about this question that you found difficult to understand or was not clear?

[If YES TO ANY ITEM IN P1]

**P1A.**

Do you prefer the information about food safety to be in

1. English
2. Spanish
3. No preference
8. Don't know/no opinion

**P2.**

Which of the following sources of information do you trust **most** when you look for food safety information on how to handle or cook food safely, the symptoms of people who got sick from eating unsafe food, or food recalls? Please select only one answer.

[RANDOMIZE ITEMS][ASK ITEMS THAT RECEIVED 'YES' IN P1 ONLY]

1. Government websites or publications
2. TV or radio
3. Internet such as Facebook, Twitter, WebMD, blogs
4. Newspapers or magazines
5. Friends and family
6. Doctors or other healthcare providers

Probe: Was there anything about this question that you found difficult to understand or was not clear?

[ALL RESPONDENTS]

**P3.**

In general, how easy or difficult is it for you to find food safety information?

1. Very easy
2. Somewhat easy
3. Somewhat difficult
4. Very difficult
8. Don't know/no opinion

[ASK If P3=3 or 4]

**P4.**

Which of these difficulties do you have? Please check all that apply. [RANDOMIZE ITEMS 1-3]

1. Language difficulty such as little information is in Spanish or the information is too technical to understand
2. Not sure where to start
3. It is time consuming to find information

4. All of the above
5. Other (specify)
8. Don't know/no opinion

Probe: Was there anything about this question that you found difficult to understand or was not clear?

#### SECTION D. RISK PERCEPTIONS AND FOODBORNE ILLNESS

[ALL RESPONDENTS]

**F10A.**

How likely would you be to get sick if each of the following things happen? Please select an answer for each of them. [RANDOMIZE ITEMS]

1. Not at all likely
- 2.
- 3.
- 4.
5. Very likely
8. Don't know/no opinion

If you forget to wash your hands before you begin cooking  
If vegetables you will eat raw happen to touch raw meat or chicken  
If you eat meat or chicken that is not thoroughly cooked

[ALL RESPONDENTS]

**M1.**

Would you seek medical attention from a doctor, another healthcare professional, or a hospital if any of the following symptoms happens to you? Please select an answer for each of them. [RANDOMIZE ITEMS]

1. Yes
2. No
8. Don't know/no opinion

Vomiting that lasts more than 1 day  
Diarrhea (maybe watery or bloody) that lasts more than 1 day  
Blood in the stool that lasts more than 1 day  
Fever that lasts more than 1 day  
Fatigue that lasts more than 1 day  
Stomach cramps that last more than 1 day

Probe: Was there anything about this question that you found difficult to understand or was not clear?

[ALL RESPONDENTS]

**N3.**

In the past month, have you or has anyone in your household had any kind of sickness that you thought might have been caused by eating foods that had germs or were contaminated with germs?

1. Yes
2. No
8. Don't know/no opinion

[IF N3=2 or 8]

**N4.**

How about in the past year? Have you or has anyone in your household had any kind of sickness that you thought might have been caused by eating foods that had germs or were contaminated with germs?

1. Yes
2. No
8. Don't know/no opinion

[IF N3=1 or N4=1]

**N8.**

The last time you or someone else in your household became sick from eating foods that had germs or were contaminated with germs, was the illness reported to anyone on the following list? Select all that apply. [RANDOMIZE ITEMS 1-8]

1. A medical doctor
2. A hospital or an emergency room
3. A state, county, city, or other local health department
4. The Food and Drug Administration (FDA)
5. The Centers for Disease Control and Prevention (CDC)
6. A public or private poison control center
7. The store where I bought the food
8. The manufacturer of the food
9. Other (Specify)
88. Don't know/no opinion

[ALL RESPONDENT]

**A2.**

How common do you think it is for people in the United States to get food poisoning because of the way food is prepared in their home?

1. very common,
2. somewhat common, or
3. not very common
8. Don't know/no opinion

Probe: in your own words, please tell me what this question is asking.

[ALL RESPONDENTS]

**A3.**

How common do you think it is for people in the United States to get food poisoning from restaurant food compared to food prepared at home?

1. more common than from food prepared at home,
2. less common than food prepared at home, or
3. about the same as food prepared at home
8. Don't know/no opinion

Probe: in your own words, please tell me what this question is asking.

[ALL RESPONDENTS]

**A4.**

Do you think contamination of food by micro-organisms, such as germs, is?

1. A serious food safety problem
2. Somewhat of a food safety problem
3. Not a food safety problem at all
8. Don't know/no opinion

[ALL RESPONDENTS]

**A4x.**

Sometimes people get sick because the food they eat is contaminated with germs. Whose actions do you think can be most effective in reducing people's risk of getting sick from these foods? Please select ONE answer only. [RANDOMIZE ITEMS, EXCEPT "OTHER"]

1. Consumer
2. Government
3. Places or people who sell or prepare the food
4. Companies or people who grow or manufacture the food
5. Other (specify)
8. Don't know/no opinion

Probe: in your own words, please tell me what this question is asking.

[ALL RESPONDENTS]

**B3.**

Have you heard about pesticide residues as problems in foods that can make people sick?

1. YES
2. NO
3. I Don't know/no opinion what pesticide residues are
8. Don't know/no opinion

[IF B3=YES]

**B4.**

How serious would you say that pesticide residues are a food safety problem?

1. Not a serious problem at all
- 2.
- 3.
- 4.
5. A very serious problem
8. Don't know/no opinion

[ALL RESPONDENTS]

**B5.**

Have you heard of antibiotic residues as problems in foods that can make people sick?

1. YES
2. NO
3. I don't know what antibiotic residues are
8. Don't know/no opinion

[IF B5=YES]

**B6.**

How serious would you say that antibiotic residues are a food safety problem?

1. Not a serious problem at all
- 2.
- 3.
- 4.
5. A very serious problem
8. Don't know/no opinion

[ALL RESPONDENTS]

**K16.** Have you heard or read anything about mercury as a problem in some fish?

1. Yes
2. No
3. I don't know what mercury is
8. Don't know/no opinion

[IF K16=YES]

**K18.**

Have you heard of any particular group of people who are advised to be especially careful not to eat too much fish that might have mercury?

1. Yes
2. No
8. Don't know/no opinion

[IF K18=1]

**K19.**

Which group or groups of people are advised to be especially careful not to eat too much fish that might have mercury? Please check all that apply. [RANDOMIZE ITEMS 1-3]

1. Pregnant women or women who plan to become pregnant
2. Nursing mothers
3. People who have immune system problems
4. Others (specify)
8. Don't know/no opinion

**SECTION E. PERSONAL BACKGROUND**

[Hispanic respondents, ask C1-C5]

**C1.**

In general, what language(s) do you read and speak?

1. Only Spanish
2. Spanish better than English
3. Both equally
4. English better than Spanish
5. Only English
8. Don't know/no opinion

**C2.**

What language(s) do you usually speak at home?

1. Only Spanish
2. Spanish better than English
3. Both equally
4. English better than Spanish
5. Only English
8. Don't know/no opinion

**C3.**

In which language(s) do you usually think?

1. Only Spanish
2. Spanish better than English
3. Both equally
4. English better than Spanish
5. Only English
8. Don't know/no opinion

**C4.**

What language(s) do you usually speak with your friends?

1. Only Spanish
2. Spanish better than English
3. Both equally
4. English better than Spanish
5. Only English
8. Don't know/no opinion

**C6.**

Which of the following best describes your Hispanic/Latino heritage? Please select only one answer. [RANDOMIZE ITEMS 1-6]

1. Dominican or Dominican descent
2. Central American or Central American descent
3. Cuban or Cuban descent
4. Mexican or Mexican descent
5. Puerto - Rican or Puerto Rican descent
6. South American or South American descent
7. More than one heritage
8. Other (specify)
77. Prefer not to answer
88. Don't know/no opinion

[ALL RESPONDENTS]

**Y1.**

Would you say your health in general is? Please select only one answer.

1. Excellent
2. Very good
3. Good
4. Fair
5. Poor
6. Prefer not to answer
8. Don't know/no opinion

**Y2.**

Have you been told by a doctor or other healthcare professional that you have any of these health problems? Check all that apply. [RANDOMIZE ITEMS 1-9]

1. cancer
2. diabetes
3. heart disease
4. hypertension or high blood pressure
5. high cholesterol
6. obesity or overweight
7. osteoporosis or bone problem

8. stroke
9. immune functions
10. None of these
77. Prefer not to answer
88. Don't know/no opinion

**Y3.**

Are you concerned about any of these health problems for yourself? Check all that apply.  
[RANDOMIZE ITEMS 1-9]

1. cancer
2. diabetes
3. heart disease
4. hypertension or high blood pressure
5. high cholesterol
6. obesity or overweight
7. osteoporosis or bone problem
8. stroke
9. immune functions
10. None of these
77. Prefer not to answer
88. Don't know/no opinion

**M1.**

Do you have any current food allergies or do you suspect you have any current food allergies?

1. Yes
2. No
8. Don't know/no opinion

[IF M1=YES]

**M4.**

What foods or food ingredients are you allergic to? Please check all that apply.  
[RANDOMIZE ITEMS 1-8]

1. Milk
2. Eggs
3. Fish
4. shellfish such as shrimp, crab, lobster
5. Tree nuts such as walnuts, almonds, pecans
6. Peanuts
7. Wheat
8. Soybeans
9. Other (specify)
88. Don't know/no opinion

Thank you. These are all the questions we have for you today.