

## **2010 Food Safety Survey**

### **Topline Frequency Report\***

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\*Results are based on a random-digit-dialing telephone survey of 4,568 English or Spanish speaking non-institutionalized adults (aged 18 years and older) in the 50 states and the District of Columbia. Two versions of the questionnaire were randomly administered to the sample respondents. Version 1 had 2,292 respondents and Version 2 had 2,276 respondents. Households were selected from a nationally representative single-stage sample of telephone numbers generated from the GENESYS system. The eligible respondent in a household was selected using the most-recent birthday method. The survey was conducted by a contractor during December 21, 2009 – February 28, 2010. Results have been weighted to adjust for the number of land phone lines in a household, number of adults in a household, and Census distributions of gender, race/ethnicity, age, and education in the 50 states and District of Columbia.

The number of respondents who answered a question, or sample size ("n"), is shown for each question. Percentages preceding answer text are the weighted percent of respondents who gave that answer. An asterisk (\*) denotes a percentage less than one but not 0%. Zero % denotes no responses. Text inside of brackets, [], was not read to respondents. Row or column percentages may not sum to 100 due to rounding, multiple responses, or both.

Questions used for the Healthy People 2020 analysis are marked "HP". Tracking questions from 1988, 1993, 1998, 2001, and 2006 Food Safety Surveys are marked TR88, TR93, TR98, TR01, and TR06. There are a few places noted where there are missing question numbers. This was because questions were removed late in the survey review process and to keep numbering consistent across survey years.

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**OMB Control No: 0910-0345**  
**Expiration date: 1/31/2013**

### **Screener and Introduction**

Hi. My name is \_\_\_\_\_ and I'm calling on behalf of the U.S. Food and Drug Administration, [PAUSE] the FDA, a U. S. government agency. We are doing a survey about your everyday food practices and your opinions about food issues. The survey is completely voluntary and your answers will be kept strictly confidential and you don't have to answer any questions that you don't want to.

S4B. [GENDER] (n=4,568)  
[Male] 49%  
[Female] 51%

### **Section A. Risk Perception**

A1. TR98, TR01, TR06

To start off, I would like to ask, 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? Would you say that it is... (n=4,568)

Very common	14%
Somewhat common	33%
Not very common	50%
[Don't know]	3%
[Refused]	*

A2. TR98, TR01, TR06

How common do you think it is for people in the United States to get food poisoning from restaurant food? Would you say that it is... (n=4,568)

More common than from food prepared at home	57%
Less common than food prepared at home	13%
About the same as food prepared at home	28%
[Don't know]	2%
[Refused]	0%

THERE IS NO QUESTION A3

A4. TR01, TR98, TR06

Do you think contamination of food by micro-organisms, such as germs, is a serious food safety problem, somewhat of a problem, or not a food safety problem at all? (n=4,568)

[Serious food safety problem]	35%
[Somewhat of a food safety problem]	54%

[Not a food safety problem at all] 9%  
 [Don't know] 2%  
 [Refused] \*

A5. TR98, TR01, TR06

How likely it is that [insert food] has germs that could make you sick? [ROTATE ORDER]

	1 - Not at all likely	2	3	4	5 - Very likely	[Don't know]	[Refused]
raw chicken (n=4,568)	2%	5%	11%	17%	65%	1%	0%
raw beef (n=2,282)	4%	12%	21%	24%	38%	1%	*
raw fruits (n=2,282)	40%	24%	22%	8%	7%	1%	*
raw eggs (n=2,282)	12%	13%	26%	18%	29%	2%	*
raw vegetables (n=2,286)	36%	25%	23%	9%	7%	1%	0%
raw shellfish (n=2,286)	3%	6%	22%	23%	42%	4%	*
Foods that contain raw fish, like ceviche or sushi (n=2,286)	6%	11%	24%	19%	36%	4%	*

A6. Next, I'm going to read you several statements. Please tell me whether you believe each statement is "True" or "False." (n=4,568)

	True	False	[Don't know]	[Refused]
I know how to cook food safely.	95%	5%	*	0%
I am confident that the food I buy at the grocery store is safe.	65%	33%	3%	*
I am confident that the food I eat at restaurants is safe.	54%	43%	3%	*
If I only eat food prepared in a sanitary manner, I can keep from getting food poisoning.	57%	42%	1%	0%
Luck plays a big part in how likely I am to get food poisoning.	30%	68%	2%	*
Some recalled food can be made safe to eat.	28%	68%	4%	*
I think that the government is doing enough to prevent food contamination.	47%	48%	4%	*
I think that food manufacturers are doing enough to prevent food contamination.	39%	58%	3%	*
A food is recalled only after people have gotten sick.	60%	37%	3%	*
Organic foods are less likely to be contaminated than non-organic foods.	29%	66%	5%	*
Locally grown foods are less likely to be contaminated than non-locally grown foods.	44%	53%	3%	*

## Section B. Residues

THERE NO IS B1 or B2

B3V2. TR93, TR98, TR01

Have you heard about pesticide residues as problems in foods? (n=2,286)

[Yes]	80%
[No]	20%
[Don't know]	*
[Refused]	0%

B4V2. TR93, TR98, TR01

[IF B3V2=Yes]

Would you say that pesticide residues are not a food safety problem, somewhat of a food safety problem, or a serious food safety problem? (n=1,858)

[Not a food safety problem]	5%
[Somewhat of a food safety problem]	52%
[Serious food safety problem]	43%
[Don't know]	1%
[Refused]	0%

B5V2. TR93, TR98, TR01

Have you heard of antibiotic residues as problems in foods? (n=2,286)

[Yes]	46%
[No]	53%
[Don't know]	1%
[Refused]	0%

B6V2. TR93, TR98, TR01

[IF B5V2=Yes]

Would you say that antibiotic residues are not a food safety problem, somewhat of a food safety problem, or a serious food safety problem? (n=1,179)

[Not a food safety problem]	8%
[Somewhat of a food safety problem]	52%
[Serious food safety problem]	39%
[Don't know]	1%
[Refused]	0%

## Section C. Allergen and Gluten Screeners

C1V2. TR06

Have you heard of gluten or gluten-free? (n=2,286)

[Yes]	77%
[No]	23%
[Don't know]	1%
[Refused]	0%

C2V2. TR06 [IF C1V2=Yes]

Which of the following best describes gluten? I am going to read three definitions. Please tell me which one you think it is... (n=1,853)

Proteins in certain grains that are harmful to some people	69%
Pesticide used in food production	5%
Chemical flavor enhancer	21%
[Don't know]	5%
[Refused]	0%

C3V2. TR06 [IF C1V2=Yes]

Do you avoid foods that contain gluten? (n=1,853)

[Yes]	17%
[No]	80%
[Don't know]	3%
[Refused]	0%

### Section D. Food Handling Practices

Now, I have some questions about cooking at home.

D1. TR93-TR06

Where you live, do you have a refrigerator and either a stove or microwave? (n=4,568)

[Yes]	100%
[No]	*
[Don't know]	0%
[Refused]	*

[IF D1=No OR Don't know OR Refused, GO TO E20V1 or E9V2]

D2. TR93-TR06

How often do you prepare the main meal in your household? Do you prepare the main meal... (n=4,547)

All or nearly all of the time	61%
Only some of the time	32%
Never	7%
[Don't know]	*
[Refused]	0%

THERE IS NO QUESTION D3.

D4. HP

Before you begin preparing food, how often do you wash your hands with soap? (n=4,547)

All of the time	78%
Most of the time	16%
Some of the time	4%
Rarely	1%
[Don't know]	*
[Refused]	0%

[IF D2 = Never OR Don't know OR Refused GO TO D9]

D5. TR98, TR01, TR06

[IF D2 = All or nearly all of the time or only some of the time, THEN D5]

Do you ever prepare fish or shellfish? (n=4,296)

[Yes]	66%
[No]	34%
[Don't know]	*
[Refused]	0%

D6. TR98, TR01, TR06

[IF D5=Yes]

Do you ever prepare meals where you begin with raw fish or shellfish?

[INTERVIEWER: CLARIFY IF NECESSARY: Do not include canned fish, frozen fish sticks, frozen fish dinners, and other pre-cooked items. INTERVIEWER NOTE: ALL CANNED ITEMS ARE COOKED. CRAB MEAT IS SOLD ONLY COOKED (EXCEPT LIVE CRABS)) (IF FROZEN, CLARIFY: Is that frozen raw or frozen cooked?)] (n=3,044)

[Yes]	81%
[No]	19%
[Don't know]	*
[Refused]	0%

D7. TR98, TR01, TR06

[IF D2= All or nearly all of the time or only some of the time, THEN D7]

Do you ever prepare meat or chicken? (n=4,296)

[Yes]	97%
[No]	3%
[Don't know]	*
[Refused]	0%

D8. TR98, TR01, TR06

[ASK IF D7= Yes]

Do you ever prepare meals where you begin with raw meat or chicken? (n=4,141)

[Yes]	91%
[No]	9%
[Don't know]	*

[Refused] 0%

D9. HP

In your home, are hamburgers usually served rare, medium, or well done?

[CLARIFY: IF DIFFERENT WAYS FOR DIFFERENT PEOPLE: What is the rarest degree of doneness hamburgers are served?] (n=4,547)

[Rare] [GO TO D11]	2%
[Medium] [GO TO D10]	21%
[Well done] [GO TO D11]	62%
[Medium rare] [GO TO D10]	2%
[Medium well] [GO TO D10]	6%
[Hamburgers are never served] [GO TO D11]	8%
[Don't know] [GO TO D11]	*
[Refused] [GO TO D11]	*

D10. HP [ASK IF D9 = Medium, Medium rare, or Medium well]

When you say hamburgers are usually served [D9 response] do you mean they are... (n=1,427)

Brown all the way through	39%
Still have some pink in the middle	60%
[Don't know]	1%
[Refused]	*

[ROTATE D11, D12, D13.]

[NON-COOKS, D2 =Never or Don't know or Refused, GO to D17]

D11. HP [ASK IF D2 = All or nearly all of the time or Only some of the time]

After you have cracked open raw eggs, do you usually continue cooking, or do you first rinse your hands with water, or wipe them, or wash them with soap? (n=4,296)

[Continue cooking]	25%
[Rinse or wipe hands]	25%
[Wash with soap]	48%
[Never handle raw egg]	1%
[Don't know]	1%
[Refused]	*

D12. HP

[ASK IF D8 = Yes]

After handling raw meat or chicken, do you usually continue cooking, or do you first rinse your hands with water, or wipe them, or wash them with soap? (n=3,783)

[Continue cooking]	2%
[Rinse or wipe hands]	11%
[Wash with soap]	87%
[Don't handle raw meat or chicken]	*
[Don't know]	*
[Refused]	0%



D13. HP [ASK IF D6 = Yes]

After handling raw fish, do you usually continue cooking, or do you first rinse your hands with water, or wipe them, or wash them with soap? (n=2,493)

[Continue cooking]	3%
[Rinse or wipe hands]	14%
[Wash with soap]	84%
[Never handle raw fish]	*
[Don't know]	*
[Refused]	0%

D14. HP [IF D8 = Yes]

After you have used a cutting board or other surface for cutting raw meat or chicken, do you use it as it is for other food to be eaten raw for the same meal, or do you first rinse it, or wipe it, or wash it with soap? [INTERVIEWER NOTE: "PUT IT IN THE DISHWASHER" SHOULD BE CODED AS "WASH WITH SOAP." WASH WITH WATER IS CODED AS RINSE.] (n=3,783)

[Use as it is]	1%
[Rinse or wipe it]	9%
[Wash with soap]	75%
[Wash with bleach/disinfectant]	6%
[Use a different board]	8%
[Don't cut raw meat or poultry]	0%
[Other]	1%
[Don't know]	*
[Refused]	0%

[Raw fish and raw meat cooks]

HP [ASK IF D6 = Yes and D8=Yes]

D15. After cutting raw fish or shellfish, what do you do with the cutting board or surface? Do you use it as it is for cutting food to be eaten raw for the same meal, or do you first rinse it, wipe it, or wash it with soap? [INTERVIEWER NOTE: "PUT IT IN THE DISHWASHER" SHOULD BE CODED AS "WASH WITH SOAP." WASH WITH WATER IS CODED AS RINSE.] (n=2,406)

[Use as it is]	*
[Rinse or wipe it]	4%
[Wash with soap]	75%
[Wash with bleach/disinfectant]	11%
[Use a different board]	5%
[Don't cut raw fish or shellfish]	2%
[Other]	2%
[Don't know]	*
[Refused]	0%

[Raw fish cooks who are not raw meat cooks]

HP [ASK IF D6 = Yes and D8 = No, Don't know, or Refused]

D16. After you have used a cutting board or other surface for cutting raw fish or shellfish, do you use it as it is for other food to be eaten raw for the same meal, or do you first rinse it, wipe it, or wash it with soap? [INTERVIEWER NOTE: "PUT IT IN THE DISHWASHER" SHOULD BE CODED AS "WASH WITH SOAP." WASH WITH WATER IS CODED AS RINSE.](n=55)

[Use as it is]	6%
[Rinse or wipe it]	3%
[Wash with soap]	81%
[Wash with bleach/disinfectant]	10%
[Use a different board]	1%
[Don't cut raw fish or shellfish]	*
[Don't know]	0%
[Refused]	0%

D17V1. [IF D8 = Yes]

After you have used a knife for cutting raw meat or chicken, do you use it as it is to cut other foods to be eaten raw for the same meal, such as fruits or vegetables, or do you first rinse it, wipe it, or wash it with soap? [INTERVIEWER NOTE: WASH WITH WATER IS CODED AS RINSE.] (n=1,901)

[Use as it is]	*
[Rinse or wipe it]	8%
[Wash with soap]	78%
[Wash with bleach/disinfectant]	2%
[Use different knife]	11%
[Don't cut raw meat or chicken]	*
[Always cut fruit/vegetables first]	*
[Other]	*
[Don't know]	*
[Refused]	0%

D18V2. [ASK IF D6 = Yes]

After you have used a knife for cutting raw fish or shellfish, do you use it as it is for other food to be eaten raw for the same meal, such as fruits and vegetables, or do you first rinse it, wipe it, or wash it with soap? [INTERVIEWER NOTE: WASH WITH WATER IS CODED AS RINSE.] (n=1,205)

[Use as it is]	*
[Rinse or wipe it]	9%
[Wash with soap]	79%
[Wash with bleach/disinfectant]	2%
[Use different knife]	9%
[Don't cut raw fish or shellfish]	*
[Always cut fruit/vegetables first]	*
[Other]	1%
[Don't know]	0%
[Refused]	0%

## Section E. Food Handling Practices, Continued

E1. HP [ASK IF D7 = Yes]

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, when do you put the food in the refrigerator? Would it be...

[CLARIFY: IF A NUMBER OF METHODS ARE USED THAT INCLUDE COOLING IT TO ROOM TEMPERATURE THEN MARK ROOM TEMPERATURE](n=4,141)

Immediately	21%
After first cooling it at room temperature	75%
After first cooling it in cold water	2%
[Do not cook such foods]	*
[Would not refrigerate it]	*
[Don't know]	*
[Refused]	*

E2. HP [ASK IF E1 = After first cooling it at room temperature]

For about how long would you let it cool at room temperature? (n=2,967)

[Less than two hours]	76%
[Two hours or more/About 2 hours]	21%
[Don't know]	3%
[Refused]	*

[Fish cooks who also cook meat]

E3. HP [IF D5 = Yes AND D7 = Yes]

How about if the soup or stew contains fish or shellfish instead of meat or chicken? If you want to save it for the next day, when do you put the food in the refrigerator? Would it be...

[CLARIFY: IF A NUMBER OF METHODS ARE USED THAT INCLUDE COOLING IT TO ROOM TEMPERATURE THEN MARK ROOM TEMPERATURE](n=3,003)

Immediately	32%
After first cooling it at room temperature	44%
After first cooling it in cold water	5%
[Do not cook such foods]	14%
[Would not refrigerate it]	4%
[Don't know]	1%
[Refused]	*

[Fish cooks who do not cook meat]

E4. HP [IF D5 = Yes AND D7 = No, Don't know, or Refused]

If you cook a large pot of soup, stew, or other food with fish or shellfish and want to save it for the next day, when do you put the food in the refrigerator? Would it be... (CLARIFY: IF A NUMBER OF METHODS ARE USED THAT INCLUDE COOLING IT TO ROOM TEMPERATURE THEN MARK ROOM TEMPERATURE)(n=41)

Immediately	27%
After first cooling it at room temperature	61%
After first cooling it in cold water	4%
[Do not cook such foods]	0%
[Would not refrigerate it]	4%
[Don't know]	4%
[Refused]	0%

E5. HP [ASK IF E3 or E4=After first cooling it at room temperature]  
For about how long would you let it cool at room temperature? (n=1,245)

[Less than two hours]	76%
[Two hours or more]	22%
[Don't know]	2%
[Refused]	0%

E6V1. TR01, TR06

Have you grilled meat, poultry, or fish outside in the past year? (n=2,275)

[Yes]	68%
[Not sure]	2%
[No]	30%
[Don't know]	*
[Refused]	*

E7V1. TR01, TR06 [IF E6V1=Yes]

After the food is cooked, what do you usually use to carry it from the grill to the place where it will be eaten? Do you use... [IF RESPONDENT GIVES MORE THAN ONE ANSWER OR SAYS "IT DEPENDS," PROBE: What do you do most of the time? IF RESPONDENT SAYS "CLEAN PLATE," ASK: "Is it the same plate that you used to carry the food to the grill or a different plate?](n=1,530)

The plate or pan you used to carry the food to the grill	5%
A different plate or pan	80%
Serve directly from the grill to individual plates	14%
[Other]	1%
[Don't know]	*
[Refused]	*

E8V1. TR01, TR06 [IF E7V1= The plate or pan you used to carry the food to the grill]

Do you use the plate or pan as it is, or do you first wipe it, or rinse it, or wash it with soap? (n=77)

[Use as is]	23%
[Wipe or rinse it]	40%
[Wash with soap (or bleach)]	34%
[Not sure]	2%
[Don't know]	*
[Refused]	0%

E9V2. TR06

Do you ever buy bagged, precut lettuce? [IF NECESSARY: WE ARE TALKING ABOUT BAGGED SALAD] (n=2,286)

[Yes]	71%
[No]	28%
[Don't know]	*
[Refused]	0%

E10V2. TR06 [IF E9V2 = Yes]

Do you usually wash or rinse bagged, precut lettuce before you eat it? (n=1,666)

[Yes]	59%
[No]	37%
[It depends (i.e., product type, how it looks, how it smells)]	3%
[Don't know]	*
[Refused]	0%

E10V2A. TR06

Of all the bags of precut lettuce available at the store, about how many of them contain lettuce that has already been washed? Would you say... (n=2,286)

All of them	27%
Most of them	20%
Some of them	30%
None of them	11%
[Don't know]	12%
[Refused]	0%

E11V2. TR06

Do you ever buy tomatoes? (n=2,286)

[Yes]	94%
[No]	6%
[Don't know]	*
[Refused]	0%

E12V2. TR01, TR06

[IF E11V2=Yes]

Do you usually wash or rinse tomatoes before you prepare or eat them? (n=2,127)

[Yes]	97%
[No]	3%
[Don't know]	*
[Refused]	0%

E13V2. TR06 [IF E12V2=Yes]

What methods do you use to wash or rinse tomatoes? Please choose one or more. Do you...

ACCEPT MULTIPLES [NOTE: IF SAY THEY USE A COLANDER, "Using your colander, do you (READ THE ANSWERS AGAIN)](n=2,061)

Rub them under running water, with a brush, cloth or your hands	78%
Hold under running water, without rubbing them	18%

Soak them in a container of water	5%
Use a cleaner to wash them	8%
[Don't know]	*
[Refused]	0%

E13V2A. TR06 [IF E13V2 =Use a cleaner to wash them]

What type of cleaner do you use? [CHECK ANY MENTION OF THE FOLLOWING. ACCEPT MULTIPLES](n=191)

Hand soap	14%
Dish soap	38%
Vinegar	6%
Clorox	3%
Produce cleaner	34%
[Other]	10%
[Don't know]	3%
[Refused]	0%

E14V2. TR06

Do you ever buy whole cantaloupe? (n=2,286)

[Yes]	75%
[No]	25%
[Don't know]	*
[Refused]	0%

E15V2. TR01, TR06 [IF E14V2=Yes]

Do you usually wash or rinse cantaloupe before you prepare or cut it? (n=1,825)

[Yes]	51%
[No]	48%
[Don't know]	1%
[Refused]	0%

E16V2. TR06 [IF E15V2=Yes]

Do you use any of these methods to wash or rinse cantaloupe? Do you...[Accept multiples] (n=895)

Rub it under running water, with a brush, cloth or your hands	73%
Hold under running water, without rubbing it	21%
Soak it in a container of water	5%
Use a cleaner to wash it	10%
[Don't know]	*
[Refused]	0%

E16V2A. TR06 [IF E16V2= Use a cleaner to wash it]

What type of cleaner do you use? [Accept multiples] (n=101)

Hand soap	12%
Dish soap	60%
Vinegar	7%

Clorox	3%
Produce cleaner	23%
[Other]	9%
[Don't know]	0%
[Refused]	0%

THERE IS NO E 17-19

E20V1. Have you ever seen health inspection scores for restaurants? (n=2,282)

[Yes]	49%
[No]	50%
[Don't know]	*
[Refused]	*

E21V1. When you see health inspection scores for restaurants, how important are they in your decision on which restaurant to eat in? Would you say...? ([READ IF NECESSARY:] The inspection score is the score a restaurant (not individual) receives after a regulatory official conducts an inspection of the restaurant. We are not talking about restaurant reviews or health certificates.) (n=1,111)

Very important	73%
Somewhat important	20%
Not very important	7%
[Don't know]	1%
[Refused]	*

## Section F. Micro-Organisms and Personal Vulnerability

F1. TR93, TR98, TR01, TR06

Have you ever heard of Salmonella as a problem in food? [NOTE: IF THE RESPONDENT HAS HEARD OF SALMONELLA, BUT NOT AS A PROBLEM IN FOOD, CODE AS "NO"] (n=4,568)

[Yes]	94%
[No]	6%
[Don't know]	*
[Refused]	0%

[IF F1 = Yes]

F2. TR93, TR98, TR01, TR06

How do you think a food can be made safe if it has salmonella in it? [ACCEPT MULTIPLES. READ ENTIRE LIST WITHOUT ASKING EACH ITEM SEPARATELY. DO NOT PROBE.] (n=4,361)

Cooking it	39%
Washing it	7%
Freezing it	2%

Adding vinegar or lemon juice	3%
Would you say the food cannot be made safe	50%
[Don't know]	6%
[Refused]	*

THERE IS NO F3.

F4. TR01, TR06

Have you ever heard of Listeria as a problem in food? [NOTE: IF THE RESPONDENT HAS HEARD OF LISTERIA, BUT NOT AS A PROBLEM IN FOOD, CODE AS "NO"](n=4,568)

[Yes]	37%
[No]	62%
[Don't know]	1%
[Refused]	0%

F5. Tr93, TR98, TR01, TR06

Have you ever heard of Campylobacter as a problem in food? [NOTE: IF THE RESPONDENT HAS HEARD OF CAMPYLOBACTER, BUT NOT AS A PROBLEM IN FOOD, CODE AS "NO"]((n=4,568)

[Yes]	13%
[No]	85%
[Don't know]	2%
[Refused]	0%

F6. TR93, TR98, TR01, TR06

Have you ever heard of Vibrio as a problem in food? [NOTE: IF THE RESPONDENT HAS HEARD OF VIBRIO, BUT NOT AS A PROBLEM IN FOOD, CODE AS "NO"] (n=4,568)

[Yes]	8%
[No]	91%
[Don't know]	2%
[Refused]	0%

F7. TR93, TR98, TR01, TR06

Have you ever heard of E. Coli as a problem in food? [NOTE: IF THE RESPONDENT HAS HEARD OF E. COLI, BUT NOT AS A PROBLEM IN FOOD, CODE AS "NO"] (n=4,568)

[Yes]	90%
[No]	9%
[Don't know]	1%
[Refused]	0%

F8. TR93, TR98, TR01, TR06

Have you ever heard of Hepatitis A as a problem in food? (n=4,568)

[Yes]	47%
[No]	52%



[Don't know] 1%  
[Refused] 0%

THERE IS F9.

[ROTATE F10A- F10F]  
ALL F10A TR98, TR01, TR06

Now, I'm going to read a list of some ways that food may be handled. For each, please tell me how likely it is that you would get sick if you ate food that was handled that way. Please use any number between 1 and 5, where 1 is "not at all likely" and 5 is "very likely." [IF RESPONDENT SAYS THEY DON'T PREPARE THE FOOD, ASK THEM FOR THEIR OPINION.]

F10AV1. If you forget to wash your hands before preparing food, how likely are you to get sick? (n=2,282)

1 - Not at all likely	8%
2	22%
3	34%
4	17%
5 - Very likely	18%
[Don't know]	1%
[Refused]	*

F10AV2. If you forget to wash your hands before you begin cooking, how likely are you to get sick? (n=2,286)

1 - Not at all likely	13%
2	23%
3	33%
4	15%
5 - Very likely	16%
[Don't know]	1%
[Refused]	0%

F10B. If vegetables you will eat raw happen to touch raw meat or chicken, how likely are you to get sick? (n=4,568)

1 - Not at all likely	7%
2	11%
3	26%
4	25%
5 - Very likely	29%
[Don't know]	1%
[Refused]	*

F10C. If you eat meat or chicken that is not thoroughly cooked, how likely are you to get sick? (n=4,568)

1 - Not at all likely	3%
2	7%

3	21%
4	28%
5 - Very likely	39%
[Don't know]	1%
[Refused]	*

F10D. If you happen to leave a meat or chicken stew or a casserole out of the refrigerator for 2 to 5 hours after it has finished cooking, and eat it, how likely are you to get sick? (n=4,568)

1 - Not at all likely	15%
2	20%
3	31%
4	16%
5 - Very likely	17%
[Don't know]	1%
[Refused]	*

F10F. If you eat a food that has been recalled, how likely are you to get sick? (n=4,568)

1 - Not at all likely	3%
2	6%
3	18%
4	23%
5 - Very likely	48%
[Don't know]	2%
[Refused]	*

## Section H. Thermometers

THERE IS NO H1.

H2. TR01 modified, TR06

Does your refrigerator have a built-in thermometer that tells you the temperature in degrees Fahrenheit? (n=4,568)

[Yes]	42%
[No]	55%
[Don't know]	3%
[Refused]	*

H2A. TR01 modified, TR06 [IF H2 =No, Don't know, or Refused]

Have you put a thermometer in your refrigerator so you can tell the temperature? (n=2,715)

[Yes]	21%
[No]	79%
[Don't know]	0%
[Refused]	*

H3. TR06 [IF H2=Yes OR H2A=Yes]  
 [RANGE FOR FAHRENHEIT: 0 - 100]  
 [RANGE FOR CELSIUS: 0 - 20]

What is the temperature, in Fahrenheit, of your refrigerator? (n=2,495)

[Respondent answers in degrees Fahrenheit]	57%
[Respondent answers in degrees Celsius]	2%
[Don't know]	41%
[Refused]	*

H3F. What is the temperature of your refrigerator? [Fahrenheit] (n=1,444)

0	4%
1	1%
3	1%
4	1%
5	1%
6	1%
25	1%
28	1%
30	3%
32	4%
33	4%
34	8%
35	8%
36	7%
37	10%
38	14%
39	2%
40	16%
41	1%
42	5%
45	2%
50	1%
55	1%
60	1%
>60	2%

H3C. What is the temperature of your refrigerator? [Celsius] (n=26)

0	4%
1	1%
2	11%
3	41%
4	1%
5	14%
7	2%
8	1%
19	4%
20	21%

THERE IS NO H4.

H5. TR06

How important do you think it is to use a food thermometer when cooking? Would you say...  
(n=4,568)

Very important	34%
Somewhat important	47%
Not important at all	18%
[Don't know]	1%
[Refused]	*

H6. TR98, TR01, TR06

Do you have a food thermometer, such as a meat thermometer? (n=4,568)

[Yes]	66%
[No]	33%
[Don't know]	*
[Refused]	0%

H7A. TR98, TR01, TR06 [IF H6=Yes THEN H7A-D]

The kind that stays in the food while it cooks, and is used for large pieces of meat. (n=3,215)

[Yes]	58%
[No]	41%
[Don't know]	1%
[Refused]	0%

H7B. A small instant read thermometer that you insert in the food to check for doneness.  
(n=3,215)

[Yes]	73%
[No]	26%
[Don't know]	1%
[Refused]	0%

H7B1. [IF H7B=Yes]

Is it digital or dial? (n=2,253)

[Digital]	32%
[Dial]	60%
[Both]	7%
[Don't know]	1%
[Refused]	0%

H7C. A barbecue fork that indicates how done the food is? (n=3,215)

[Yes]	28%
[No]	72%
[Don't know]	0%
[Refused]	0%

H7D.

Do you have any other type of thermometer? (n=3,215)

[Yes]	24%
[No]	76%
[Don't know]	1%
[Refused]	0%

H7D1-8. [IF H7D=Yes]

What type? [Accept multiples] (n=900)

[Disposable indicator that you use once and throw away, for example, T-sticks, sensor sticks]	4%
[Microwave probe]	3%
[The type that stays in food and has a wire that come out of the oven, oven probe]	11%
[A candy thermometer]	54%
[A pop-up thermometer used in turkeys and chickens]	9%
[Other type]	33%
[Don't know]	3%
[Refused]	*

[IF D8= Yes and H6=Yes, THEN H8A-H8B]

Thinking of your usual habits over the past year, when you prepare the following foods, how often do you use a thermometer?

H8A. HP

Roasts, or other large pieces of meat--how often do you use a thermometer when you cook roasts. Would you say...[CLARIFY IF NECESSARY: SHOULD NOT INCLUDE TURKEYS or CHICKENS] (n=2,794)

Always	37%
Often	18%
Sometimes	26%
Never	17%
[Never cook the food]	2%
[Don't know]	*
[Refused]	0%

H8B. HP

How about chicken parts, such as breasts or legs--how often do you use a thermometer when you cook chicken parts? (n=2,794)

Always	17%
Often	11%
Sometimes	26%
Never	46%
[Never cook the food]	0%
[Don't know]	1%
[Refused]	0%

[IF D2=All or nearly all of the time, Only some of the time and H6=Yes, THEN H8C]

H8C. TR01, TR06

How about baked egg dishes such as quiche, custard, or bread pudding--how often do you use a thermometer when you cook baked egg dishes? (n=3,055)

Always	3%
Often	3%
Sometimes	12%
Never	59%
[Never cook the food]	23%
[Don't know]	*
[Refused]	*

H8D. HP TR98, TR01, TR06 [IF D8= Yes and H6=Yes THEN H8D]

How about hamburgers---How often do you use a thermometer when you cook or grill hamburgers? (n=2,794)

Always	9%
Often	6%
Sometimes	15%
Never	66%
[Never cook the food]	4%
[Don't know]	*
[Refused]	*

### Section I. Sources of Information

THERE IS NO I1.

I2. Now, I would like to know, in the past 12 months, have you gotten any food safety information, such as information on food handling or food recalls from any of the following sources? [ROTATE ORDER] (n=4,568)

	[Yes]	[No]	[Don't know]	[Refused]
Government website such as FDA, USDA, or CDC	17%	83%	*	0%
TV and radio news	69%	31%	*	*
Internet news sites including CNN.com	29%	71%	*	*
Newspapers	41%	59%	*	0%
Cooking shows on TV	39%	60%	*	0%
Friends and family	45%	55%	*	0%
Doctors or other health care providers	25%	75%	*	0%
Cookbooks	29%	71%	*	0%
Magazines	31%	69%	*	0%
Cooking classes	6%	94%	*	*
Teacher or professor or children's school	15%	85%	*	0%

WebMD or other health internet sites	18%	82%	*	0%
Internet sites such as blogs, Facebook, Myspace, Twitter	11%	89%	*	0%

## Section J. Food Consumption Habits

HP, TR98, TR01, TR06 J1A-J1J

J1. In the past 12 months, which of the following raw foods did you eat? [READ LIST]  
(n=4,568)

	[Yes]	[No]	[Don't know]	[Refused]
Raw clams?	5%	95%	*	0%
Raw oysters?	13%	87%	*	0%
Steak tartar or raw hamburger meat?	6%	94%	*	0%
Sushi with raw fish, ceviche, or other raw fish?	26%	74%	*	0%
Raw alfalfa sprouts, bean sprouts, or other sprouts?	28%	72%	1%	0%

J1F. Did you eat any other raw meat, poultry or fish? If yes, what? [ACCEPT MULTIPLES IF YES. "NO" SHOULD BE SINGLE RESPONSE] (n=4,568)

[Raw mussels]	0%
[Raw shrimp]	2%
[Raw poultry]	0%
[Raw crab]	0%
[Other]	3%
[No]	95%
[Don't know]	*
[Refused]	*

J2A. TR06

In the past 12 months, have you eaten queso fresco, queso blanco, or similar cheeses? (n=4,568)

[Yes]	21%
[No]	78%
[Don't know]	1%
[Refused]	*

J2B1. TR06 [IF J2A=Yes]

From where did you get these cheeses? [Accept multiples] (n=836)

[Grocery store]	65%
[Farmer's market]	5%
[Latin or Spanish market]	13%
[Restaurant]	21%
[I made it at home]	3%
[It was made by friends/family]	3%
[Other]	5%

[Don't know] \*

[Refused] 0%

J2C. In the past 12 months, did you drink any raw milk or milk that was not pasteurized? This type of milk is often sold off-the-farm or door-to-door. (n=4,568)

[Yes] 4%

[No] 96%

[Don't know] \*

[Refused] 0%

J3. TR01, TR06  
In the past 12 months, have you eaten... (n=4,568)

	[Yes]	[No]	[Don't know]	[Refused]
Eggs with runny yolks, soft scrambled eggs, or soft meringue?	44%	56%	*	0%
Raw, homemade cookie or cake batter?	31%	69%	*	0%
Homemade frosting with raw egg	8%	91%	*	0%
Caesar salad dressing with raw egg?	11%	88%	2%	*
Chocolate mousse with raw egg?	4%	95%	1%	*
Homemade eggnog with raw egg?	5%	95%	*	*
Homemade ice cream with raw egg?	5%	95%	*	*
Shakes with raw egg?	3%	97%	*	*
Any other food with raw egg?	3%	97%	1%	*

J4I1. [IF J3=Any other food with raw egg] [ACCEPT MULTIPLES]  
What raw food would that be? (n=106)

Mayonnaise made with raw egg 6%

Raw eggs by themselves 8%

[Other] 78%

[Don't know] 10%

[Refused] \*

### Section K. Food Advisories

THERE IS NO K1-K5.

K6V1. TR06  
In the past 12 months, have you eaten any fish or shellfish? We are talking about all fish and shellfish including tuna fish, fish sticks, and shrimp that you may have eaten. (n=2,282)

[Yes] 84%

[No] 16%

[Don't know] \*

[Refused] 0%



[IF K6V1=No]

K7V1. Why have you not eaten fish or shellfish in the past 12 months? [Accept multiples]  
(n=331)

[Vegetarian]	6%
[Don't like taste of seafood/fish/shellfish]	31%
[Fish or shellfish too expensive]	1%
[Allergic to all or some seafood]	3%
[Someone in family allergic to all or some seafood]	*
[Mercury health concern]	*
[Other health concerns with fish]	1%
[Other]	17%
[Don't know]	8%
[No Reason/Don't buy/cook seafood]	7%
[Not available]	1%
[Eat only seafood in a restaurant]	1%
[Do not eat fish]	21%
[Other dietary reasons]	1%
[None/nothing]	7%
[Refused]	*

[IF K6V1=Yes]

K8AV1. On average, how often do you eat fish or shellfish? You may answer in times per week or times per month. (n=1,947)

[Answer in times per week]	37%
[Answer in times per month]	52%
[Less than once per month]	11%
[Don't know]	*
[Refused]	*

K8AV1\_1. On average, how often do you eat fish or shellfish? (n=818)

[1 time per week]	55%
[2 times per week]	27%
[3 times per week]	13%
[4 times per week]	3%
[5 times per week]	2%
[7 times per week]	1%
[8 times per week]	*
[11 times per week]	*

K8AV1\_2. On average, how often do you eat fish or shellfish? (n=928)

[1 time per month]	37%
[2 times per month]	34%
[3 times per month]	15%
[4 times per month]	9%
[5 times per month]	3%
[6 times per month]	1%
[8 times per month]	1%

[10 times per month] \*

[12 times per month] \*

[21 times per month] \*

[30 times per month] \*

K8V1. TR06

In the past month, did you eat any recreationally caught fish? We mean fish that you or others caught from lakes, rivers, or coastal areas. (n=1,947)

[Yes] 16%

[No] 83%

[Don't know] \*

[Refused] 1%

K9V1. TR06

Have you heard about any health benefits from eating fish and shellfish? (n=2,282)

[Yes] 75%

[No] 25%

[Don't know] \*

[Refused] 0%

[IF K9V1=Yes]

K10V1. TR06

What benefits have you heard of? [ACCEPT MULTIPLES (IF NECESSARY: Anything else?)](n=1,852)

[Generally healthy]	20%
[Low fat]	8%
[Brain food]	9%
[Heart healthy]	14%
[Omega-3 fatty acid]	41%
[Cholesterol lowering]	14%
[Other]	12%
[Don't know]	4%
[Provides vitamins/minerals]	7%
[Anti-oxidant/good for skin]	3%
[Low calorie/aids in weight loss]	4%
[Protein/High protein]	8%
[Oil/fish oil]	14%
[Iodine]	2%
[Good for blood pressure]	2%
[Prevents/reduces risk of cancer]	1%
[Nutritious]	3%
[Good for eyes]	3%
[Low carbohydrate]	1%
[Good for bones/arthritis]	2%
[Concern]	*
[None]	3%
[Easy to digest]	1%
[Increases energy]	1%

K11V1. TR06

Have you heard about any health concerns with eating fish and shellfish? (n=2,282)

[Yes]	67%
[No]	32%
[Don't know]	1%
[Refused]	0%

K12V1. TR06 [IF K11V1 = Yes]

What health concerns with fish and shellfish have you heard of? (Accept multiples) (n=1,610)

[Mercury/Methyl Mercury]	54%
[PCBs]	2%
[Dioxin]	1%
[Vibrios]	0%
[Hepatitis]	1%
[Germs]	1%
[Pesticides]	1%
[Spoilage]	1%
[PBDEs or flame retardant]	0%
[Chemicals in fish]	2%
[Allergic/Allergy]	2%
[Other]	16%
[Don't know]	11%
[Red tide]	3%
[Salmonella]	2%
[Poisons/toxins]	3%
[Pollutants/pollution/contamination]	5%
[High concentration of metals]	1%
[High in/bad for cholesterol]	3%
[Parasites]	1%
[Bacteria]	4%
[Food poisoning]	4%
[Needs to be cooked thoroughly]	5%
[Not eat it raw/uncooked]	2%
[Pregnant women/young children]	1%
[Needs to be fresh/eaten fresh]	1%
[Need to know the origin]	1%
[Lead/iron content]	1%
[Iodine content]	1%
[Mineral]	0%
[Not healthy]	1%
[Diseases]	1%
[Oils]	1%
[Shellfish]	3%
[Scromboid poisoning]	0%
[Locally caught fish]	1%
[Farmed raised fish]	1%

THERE IS NO K13-15.

K16. TR01, TR06

Have you heard anything about mercury as a problem in some fish? (n=4,568)

[Yes]	83%
[No]	17%
[Don't know]	*
[Refused]	0%

K17. TR01, TR06

[IF K16=Yes]

What kinds of fish have mercury problems? [ACCEPT MULTIPLES. NOTE: IF RESPONDENT SAYS "BIG FISH," PROBE: Any specific fish? IN THE CASE OF A GENERAL RESPONSE OF "TUNA," ASK THE RESPONDENT: Any specific type of tuna? Such as tuna steaks or canned tuna or both?] [DO NOT READ LIST] [PROBE: Anything else?] (n=4,051)

[Sword fish]	8%
[Shark]	4%
[King Mackerel]	3%
[Tilefish]	1%
[Tuna steaks]	11%
[Any general mention of tuna]	21%
[General canned tuna]	11%
[Albacore or chunk white canned tuna fish]	4%
[Any general mention of salmon, but not farmed raised]	11%
[Farm raised salmon]	4%
[Any farm raised fish]	1%
[Raw fish]	2%
[Raw shellfish]	5%
[Big fish, unspecified, fish high on food chain]	6%
[Other or unspecified fish]	15%
[Recreational caught fish]	7%
[Fish from specific region]	3%
[Fish from a specific lake, river, or stream]	10%
[Don't know]	30%
[Refused]	*

K18. TR01, TR06 [IF K16=Yes]

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? (n=4,051)

[Yes]	58%
[No]	41%
[Don't know]	2%
[Refused]	*

K18A. [IF K18 = Yes]

Which group? [Mark all that apply. Do not probe.] (n=2,339)

[Not heard of a particular group]	1%
-----------------------------------	----

[Pregnant women or women who might become pregnant]	70%
[Nursing mothers]	3%
[Young children]	35%
[Elderly]	13%
[Compromised immune system]	6%
[Other response ]	8%
[No particular group is at higher risk]	1%
[Don't know]	8%
[Refused]	*

### Section O. Food Recalls

O1V2. In the past 5 years, do you think the number of food recalls in the United States has increased, decreased, or stayed the same? (n=2,286)

[Increased]	60%
[Decreased]	6%
[Stayed the same]	30%
[Don't know]	4%
[Refused]	*

O2V2. Think about the last time you heard that a food had been recalled. What food was recalled? [ACCEPT MULTIPLE RESPONSES. IF RESPONDENT MENTIONS PEANUTS, CLARIFY WHETHER THEY MEAN ACTUAL PEANUTS OR PRODUCTS THAT CONTAIN PEANUTS, LIKE PEANUT BUTTER OR PEANUT CRACKERS.] (n=2,286)

[Spinach]	15%
[Tomatoes]	9%
[Pistachios]	2%
[Lettuce]	12%
[Cantaloupes]	*
[Green onions]	1%
[Peanuts]	4%
]Peanut butter or peanut butter products or other products with peanut butter]	23%
[Ground beef/hamburger/chopped meat]	25%
[Cookie dough]	1%
[Peppers]	1%
[Serrano peppers or jalapenos]	1%
[Oysters]	*
[Other]	16%
[Don't know/never heard of food recall]	23%
[Refused]	1%

X2V2. [Recalled food picked by respondent to talk about for the remaining questions in Section O (n=1,780)

Spinach	13%
Tomatoes	7%

Pistachios	1%
Lettuce	9%
Cantaloupes	*
Green onions	1%
Peanuts	3%
Peanut butter or peanut butter products	24%
Ground beef/hamburger/chopped meat	32%
Ready made cookie dough	1%
Peppers	*
Serrano peppers or jalapenos	*
Oysters	*
Other	10%]

O2A1V2. Was/were all [X2V2] recalled or was only some [X2V2] recalled? (n=1,780)

[All]	17%
[Some]	76%
[Don't know]	8%
[Refused]	*

[IF O2A1V2=Some, Don't know, or Refused]

O2AV2. Was/were the recalled [X2V2] from a particular brand or manufacturer?  
(n=1,543)

[Yes]	77%
[No]	10%
[Don't know]	13%
[Refused]	*

[IF O2A1V2= Some, Don't know, or Refused]

O2BV2. Was/were the recalled [X2V2] from a specific region? (n=1,543)

[Yes]	63%
[No]	10%
[Don't know]	28%
[Refused]	*

O3V2. Where did you first hear about the recall? [SELECT ONE ONLY.] [IF NECESSARY ASK RESPONDENT: What do you mean by...?] (n=1,780)

[TV news]	71%
[Radio news, including NPR]	6%
[Newspaper]	1%
[Internet: Search sites like Google or Yahoo]	1%
[Internet: News sites like New York Times online and CNN.com ]	3%
[Internet: Government sites such as FDA, USDA, or CDC]	0%
[Internet: Health sites like WebMD]	0%
[Internet: Social networking sites, such as blogs, Facebook, MySpace, or Twitter]	0%

[Friends]	3%
[Family]	2%
[Grocery store]	3%
[Restaurant]	0%
[Teacher, professor, or child's school]	0%
[Other]	6%
[Don't know]	1%
[Refused]	*

O4V2. Did you look for more information about the recall? (n=1,780)

[Yes]	29%
[No]	71%
[Don't know]	1%
[Refused]	0%

[IF O4V2 =Yes]

O5V2. Where did you look to find out more information about the recall? [IFNECESSARY ASK RESPONDENT: What do you mean by...? ACCEPT MULTIPLES] (n=501)

[TV News]	17%
[Radio News, Including NPR]	2%
[Newspaper]	23%
[General news]	2%
[Internet: Search sites like Google or Yahoo]	32%
[Internet: News sites like New York Times online and CNN.com]	14%
[Internet: Government sites such as FDA, USDA, or CDC]	14%
[Internet: Social networking sites, such as blogs, Facebook, MySpace or Twitter]	1%
[Friends]	1%
[Family]	2%
[Grocery Store]	6%
[Restaurant]	0%
[Physician office]	*
[Teacher, Professor, or child's school]	*
[Other]	9%
[Don't know]	1%
[Refused]	0%

[IF O4V2=Yes]

O5AV2. Were you able to find all the information that you were looking for? (n=501)

[Yes]	88%
[No]	11%
[Don't know]	1%
[Refused]	0%

[IF O5AV2=No]

O5BV2. What information were you not able to find?[Accept multiples] (n=40)

[General information]	37%
[What contamination/illness was in the food]	26%
[Who was responsible for the contamination]	0%
[What was done to clean the processing plant/ ensure no additional product was contaminated]	2%
[What was done to ensure the recalled product is not being sold]	0%
[Brand and/or lot number for the recalled food]	3%
[Region where recalled product was grown or produced]	27%
[Region where recalled product was shipped to or sold]	3%
[The number of people who got sick]	0%
[What to do with the food if I have it at home]	0%
[What to do if I ate the recalled product]	0%
[When the food is safe to eat again]	0%
[Symptoms from eating recalled food]	1%
[Other]	34%
[Don't know]	10%
[Refused]	2%

O6V2. Did you tell any of your friends or family about the recall? (n=1,780)

[Yes]	67%
[No]	32%
[Don't know]	1%
[Refused]	0%

O6AV2. Before the recall, did you eat [X2V2]? [IF NECESSARY: We mean any brands/regions of the food.](n=1,780)

[Yes]	78%
[No]	22%
[Don't know]	*
[Refused]	*

[IF O2V2 ≠ Spinach, Tomatoes, Peppers, Serrano or Jalapeno peppers or Oysters.]

O7AV2. When you first heard about the recall, did you stop eating all [X2V2]? (n=1,089)

[Yes]	29%
[No]	68%
[Not eating the food at that time]	2%
[Never eat/ate the food]	1%
[Don't know]	*
[Refused]	*

[IF O2V2 = Spinach, Tomatoes, Peppers, Serrano or Jalapeno peppers or Oysters.]

O7BV2. When you first heard about the recall, did you stop eating all fresh [X2V2]? (n=302)

[Yes]	58%
[No]	38%
[Not eating the food at that time]	1%
[Never eat/ate the food]	2%



[Don't know]	1%
[Refused]	0%

[IF O2V2 = Spinach, Tomatoes, Peppers, Serrano or Jalapeno peppers or Oysters.]  
 O7CV2. When you first heard about the recall, did you stop eating all types of [X2V], including  
 canned, frozen, and dried? (n=302)

[Yes]	33%
[No]	58%
[Not eating the food at that time]	4%
[Never eat/ate the food]	4%
[Don't know]	1%
[Refused]	0%

O8V2. When the recall was announced, did you have the recalled food in your home? (n=1,391)

[Yes]	22%
[No]	76%
[Don't know]	2%
[Refused]	0%

[IF O8V2 = Yes]

O9V2. What did you do with the recalled food? [ACCEPT MULTIPLES] (n=265)

[Took it back to the store]	27%
[Threw it away]	51%
[Ate it]	9%
[Contacted the manufacturer]	1%
[Fed it to the pet]	1%
[Nothing]	3%
[Other]	9%
[Don't know]	1%
[Refused]	0%

[IF O9V2 = Ate it]

O9AV2. Why did you eat this food? [ACCEPT MULTIPLES] (n=26)

[Had already started eating the food and had not gotten sick]	34%
[Assumed mine was safe]	21%
[Am not worried about getting sick from food]	1%
[Not a brand that was recalled]	0%
[Not region where recalled product was grown or produced]	0%
[Not region where recalled product was shipped to or sold]	0%
[Other]	43%
[Don't know]	2%
[Refused]	1%

[IF O2AV2 = Yes]

O10AV2. Did you know when the particular brand of [X2V2] was/were safe to eat again?  
(n=1,191)

[Yes]	36%
[No]	57%
[Never safe to eat again/Not sold any more/Manufacturer out of business]	1%
[Don't know]	6%
[Refused]	0%

[IF O2BV2 = Yes and O2AV2 not equal Yes]

O10BV2. Did you know when the [X2V2] from the specific region was/were safe to eat again?  
(n=202)

[Yes]	39%
[No]	56%
[Never save to eat again/Not sold any more/Manufacturer out of business ]	0%
[Don't know]	4%
[Refused]	1%

[IF O2A1V2 = All, or both (O2AV2=No, Don't know or Refused) and (O2BV2= No, Don't know or Refused)]

O10CV2. Did you know when (the) [X2V2] was/were safe to eat again? (n=387)

[Yes]	40%
[No]	54%
[Never save to eat again/Not sold any more/Manufacturer out of business]	1%
[Don't know]	5%
[Refused]	*

[IF O10AV2, O10BV2, or O10CV2= Yes]

O11V2.How did you know it was safe to eat again? [Accept multiples] (n=744)

[Saw it in grocery stores]	17%
[Enough time had passed]	2%
[Heard on TV or radio news]	55%
[Learned from internet search sites like Google or Yahoo]	3%
[Learned from internet news]	3%
[Learned from government website]	3%
[Heard from family or friends]	2%
[Newspaper or magazine]	9%
[Recall was no longer in news]	3%
[Did not learn the food was safe to eat]	3%
[Other]	12%
[Don't know]	2%
[Refused]	0%

[IF O6AV2 = Yes AND O7AV2, O7BV2,O7CV2 = Yes or Not eating the food at the time AND O9V2 ≠ Ate it AND O10AV2, O10BV2, O10CV2 ≠ Never safe to eat again/not sold anymore/manufacturer out of business]

O12V2. Have you started eating [X2V2] again? (n=468)

[Yes] 83%  
[No] 17%  
[Don't know] 0%  
[Refused] 0%

[IF O6AV2=Yes AND O7AV2, O7BV2, O7CV2=No, Don't know, or Refused, and either (O2AV2=Yes or O2BV2=Yes) and O9V2≠ Ate it and O10AV2, O10BV2, O10CV2 ≠ Never safe to eat again/not sold anymore/manufacturer out of business]

O12AV2. Have you started eating the kind of [X2V2] that was recalled again? (n=810)

[Yes] 40%  
[No] 53%  
[Don't know] 7%  
[Refused] 0%

[IF O12V2 = Yes or O12AV2=Yes]

O13V2. Why did you decide to start eating [X2V2] again? [Select all that apply] (n=677)

You heard the recall was over 34%  
Enough time had passed since hearing about the recall 31%  
The recall was no longer in the news 16%  
You forgot about the recall 6%  
You saw the food in the grocery store, or 24%  
Was there another reason 19%  
[Don't know] 2%  
[Refused] \*

[IF O12V2 = No or O12AV2=No]

O14V2. Would you say that you have not eaten [X2V2] since the recall because you think it may not be safe to eat or for some other reason? (n=499)

[Not eaten for safety reasons] 14%  
[Not eaten for some other reasons] 46%  
[Both safety reasons and some other reasons] 15%  
[Don't know] 23%  
[Refused] 2%

O15V2. Now, I am going to read you a list of foods. For each one, can you tell me if you heard that this food has been recalled in the last 5 years? (n=1,419)

	<u>Yes</u>
Spinach	66%
Pistachios	32%
Peanut butter and products like cookies and crackers that contain peanut butter	83%
Ground beef	75%
Cookie dough	36%
Raw potatoes	5%

## Section S. Microwave Safety

[This section was new for 2009.]

S0AV1. The next few questions ask about frozen food entrees, like frozen pizzas, pot pies, and TV dinners. How often do you prepare frozen food entrees in the microwave? Would you say...? (n=2,282)

[Daily]	5%
[Weekly]	23%
[Monthly]	18%
[Less than once a month]	24%
[Never]	29%
[Don't know]	*
[Refused]	*

S1V1. How often do you follow the instructions for frozen food entrees for heating them in the microwave? Would you say...? (n=1,588)

[Always]	77%
[Often]	13%
[Sometimes]	6%
[Never]	3%
[Don't know]	*
[Refused]	0%

S0V1. If I do not follow the cooking instructions when preparing frozen food entrees containing meat or poultry, I could get sick. (n=1,588)

[True]	83%
[False]	16%
[Don't know]	*
[Refused]	0%

S2V1. Do you know the wattage of your microwave? (n=1,588)

[Yes]	26%
[No]	70%
[I do not own a microwave]	2%
[Don't know]	2%
[Refused]	0%

S3V1. Of all the frozen food entrees containing meat or poultry, about how many of them contain meat or poultry that is already precooked? Would you say...? (n=2,282)

All of them	31%
Most of them	28%
Some of them	22%
None of them	7%
[Do not buy]	7%
[Don't know]	5%
[Refused]	0%

## Section M. Food Allergies

M1. HP

I'd like to ask if you have any current food allergies, or do you suspect you have a food allergy?  
(n=4,568)

[Yes] 13%  
 [No or Not aware of] 87%  
 [Someone in household died from food allergy] 0%  
 [Don't know] \*  
 [Refused] \*

THERE IS NO M2-M3.

M4. [IF M1≠Yes GO TO N0.]

What foods or food ingredients are you allergic to? I am going to read you a list. Please answer yes or no for each food category.

Are you allergic to ...	[Yes]	[No]	[Don't know]	[Refused]
M4A. Any milk or dairy? (n=574)	30%	68%	2%	*
M4B. Eggs? (n=574)	8%	92%	*	*
M4C. Any type of fish or shellfish? (n=574)	34%	63%	2%	*
M4D1. IF M4C=Yes Fish that have fins such as salmon, tuna, or cod? (n=185)	42%	56%	2%	0%
M4D1. IF M4C=Yes Shellfish? (e.g., shrimp, crabs, lobster, crayfish, crawfish, prawn, clams, oysters, scallops, mussels, squid, snails) (n=185)	86%	14%	1%	0%
M4G. Any type of nuts or seeds? (n=574)	18%	80%	2%	0%
M4J. Any fruits or vegetables? (n=574)	21%	78%	1%	0%

M4E. [IF M4D2=Yes]

What type of shellfish are you allergic to? (n=161)

[Crustaceans] 85%  
 [Mollusks] 52%  
 [Other] 4%  
 [Don't know] 5%  
 [Refused] 0%

M4G. Are you allergic to any type of nuts or seeds? (n=574)

[Yes] 18%  
 [No] 80%  
 [Don't know] 2%  
 [Refused] \*

M4H. [IF M4G=Yes]

What type of nuts or seeds are you allergic to? (n=99)

[Peanuts] 38%  
 [Tree nuts] 62%  
 [Sesame seeds] 3%  
 [Mustard seeds] 1%  
 [Other seeds] 10%  
 [Other nuts] 5%

[Don't know]	3%
[Refused]	0%

M4I. Are you allergic to wheat, gluten, corn, or other grains? (n=574)

[Wheat]	7%
[Gluten]	6%
[Corn]	3%
[Other grains]	2%
[Not allergic to wheat, corn or grains]	82%
[Don't know]	6%
[Refused]	0%

M4K. [IF M4G=Yes]

What type of fruits or vegetables are you allergic to? (n=148)

[Avocado, Kiwi, Banana, Chestnut]	22%
[Strawberry, Cherry, Peach, Pear, Plum, Apple (Rosaceae family)]	29%
[Celery]	1%
[Mustard]	1%
[Corn]	2%
[Other fruit]	41%
[Other vegetable]	38%
[Don't know]	1%
[Refused]	*

M4L. Are you allergic to any kind of beans or legumes? (n=574)

[Yes]	4%
[No]	94%
[Don't know]	2%
[Refused]	0%

M4M. [IF M4L=Yes]

What kind of beans or legumes are you allergic to? (n=34)

[All beans]	19%
[All legumes]	19%
[Lentils]	0%
[Peas]	24%
[Soy]	28%
[Peanuts]	1%
[Other]	24%
[Don't know]	1%
[Refused]	0%

M4N. Are you allergic to any other foods? (n=574)

[Yes]	15%
[No]	82%
[Don't know]	2%
[Refused]	0%

M4O. [IF M4N=Yes]

What else are you allergic to? (n=104)

[Chocolate]	6%
[Sulfites]	1%
[Spices]	13%
[Food colors]	4%
[Other food additive]	6%
[Other]	72%
[Don't know]	5%
[Refused]	*

M5. How old were you when you first realized or suspected, or were told that you had a food allergy? (n=574)

[Less than one year old]	1%
[One - 2 years old]	2%
[3 to 5 years old]	5%
[6 to 9 years old]	10%
[10 to 14 years old]	18%
[15 to 19 years old]	7%
[20 - 24 years old]	16%
[25 - 29 years old]	8%
[30 - 39 years old]	12%
[40 - 49 years old]	12%
[50 years or older]	6%
[Don't know]	4%
[Refused]	0%

M6. HP

What kinds of reactions have you had to the food(s) you are allergic to? Please respond with yes or no to each item I read. Reaction, such as... (n=574)

	Yes	No	[Don't know]	[Refused]
[Skin reaction: hives, itching, or redness]	55%	45%	*	0%
[Swelling of face]	39%	61%	*	0%
[Itchy lips, or mouth, itchy throat]	46%	54%	*	0%
[Throat tightness]	37%	62%	1%	0%
[Wheezing]	29%	69%	2%	0%
[Trouble breathing, shortness of breath, or coughing]	31%	68%	1%	0%
[Nasal congestion]	30%	68%	2%	0%
[Stomach pain/abdominal cramping]	49%	51%	*	0%
[Vomiting or nausea]	38%	62%	*	0%
[Diarrhea]	36%	63%	*	0%
[Headache]	25%	74%	2%	0%
[Dizziness]	16%	82%	2%	0%
[Anaphylactic shock]	6%	92%	2%	0%

M6N. Did you have any other types of reactions? (n=574)

[Yes]	12%
[No]	87%
[Don't know]	*
[Refused]	0%

M6NA. [IF M6N = Yes]

What type of reaction did you have? (n=92)

[Edema/swelling]	6%
[Lethargy/drowsiness]	7%
[Joint/muscle pain or weakness]	1%
[Chest pain]	1%
[Increased heart rate]	1%
[Sneezing]	8%
[Swelling of tongue/throat/mouth]	3%
[Swelling of hands/feet/legs]	1%
[Constipation]	1%
[Swelling of eyes]	1%
[Gas/bloating]	17%
[Itchy eyes]	2%
[None/nothing]	7%
[Other]	55%
[Don't know]	2%
[Refused]	0%

M7. HP

Has a medical doctor diagnosed your condition as a food allergy? (n=574)

[Yes]	46%
[No]	54%
[Don't know]	0%
[Refused]	0%

M8. [IF M7=Yes THEN M8, ELSE M9]

How did the doctor make the diagnosis of a food allergy? (n=323)

[Skin test/pin prick/skin scratch test]	45%
[RAST or CAP-RAST or blood test]	16%
[Food elimination]	8%
[Oral food challenge]	3%
[On the basis of history]	12%
[Other]	14%
[Don't know]	11%
[Physical examination of symptoms]	10%
[Allergy shots]	1%
[Allergy test]	5%
[Refused]	0%

M9. HP

When was the last time you had an allergic reaction to food, or had symptoms you thought were caused by an allergic reaction to food? (n=574)

[Less than one month]	19%
[One - 2 months]	10%
[3 - 6 months]	12%



[7 - 11 months]	2%
[1 - 2 years]	12%
[3 - 5 years]	14%
[6 - 9 years]	5%
[10 - 14 years]	6%
[15 - 19 years]	3%
[20 years or more]	13%
[Never]	1%
[Don't know/Not sure]	5%
[Refused]	*

M10. [ASK M10 IF M9 less or equal 5 years]

How many total food allergic reactions have you had in the past 5 years? (n=362)

0	2%
1	23%
2	14%
3	10%
4	5%
5	8%
6	3%
7	2%
8	0%
10	4%
12	2%
15	2%
20	13%
[Refused]	4%
[Don't know]	8%
[Refused]	*

M11. [IF M7 = Yes]

Have you been prescribed an epinephrine kit, such as EpiPen for food allergies? (n=323)

[Yes]	16%
[No]	83%
[Don't know]	1%
[Refused]	0%

M12. HP

[IF M9 = less or equal 5 years, THEN M12 AND M13 THROUGH M18, ELSE M18]

Now, I just want to talk about your most recent food reaction. Was epinephrine used to treat this most recent reaction? (n=362)

[Yes]	5%
[No]	92%
[Don't know]	2%
[Refused]	0%

M13. HP

Were you treated in a hospital or doctor's office for this reaction? Which? (n=362)

[Yes, hospital]	7%
[Yes, doctor's office]	10%
[Both - hospital and doctor's office]	1%

[No]	82%
[Refused]	0%

M14. HP

[IF M13 = No, Don't know, OR Refused, THEN M15] [Only people who answer M13=Yes, hospital, or both, hospital and doctor's office should get this question.]

Did you have to stay overnight in the hospital? (n=36)

[Yes]	18%
[No]	82%
[Refused]	0%

M15. [IF M9 = less or equal 5 years]

Thinking about the food that caused the reaction we were just talking about, was it... (n=362)

A packaged food eaten without further preparation, such as milk or cookies	25%
A prepared packaged food from a mix, such as cake mix	6%
A prepared food cooked or made at a home, restaurant, or other such place	37%
A food that did not come in a package and was not prepared, such as a piece of fruit	12%
[Don't know]	19%
[Refused]	*

M16. [IF M15 = A packaged food eaten without further preparation, such as milk or cookies or A prepared packaged food from a mix, such as cake mix]

Was the packaged food... (n=116)

A simple one made from one main ingredient and only a few additions, such as milk or peanut butter	47%
A complex one made from several ingredients, such as cookies, snack food, or ice cream	47%
[Don't know]	6%
[Refused]	0%

M17. [IF M15 = A prepared packaged food from a mix, such as cake mix or A prepared food cooked or made at a home, restaurant, or other such place]

Was the food prepared... (n=173)

At home	23%
At the home of a friend or relative	20%
In a restaurant, grocery store, bakery, or other such place	56%
[Don't know]	0%
[Refused]	*

M18. How often do you read the ingredient lists on food packages to see if the food you are allergic to is in it? (n=574)

Always	41%
Sometimes	17%
Rarely	10%
Never	21%
Only if the food is new to me	10%
[Don't know]	*
[Refused]	0%

THERE IS NO M19.

M20. TR01

In the past year, have you bought for yourself or eaten a packaged food that you didn't know contained the food you are allergic to? (n=574)

[Yes]	23%
[Maybe]	3%
[No]	73%
[Don't know]	2%
[Refused]	0%

M21. [IF M20 = Yes or Maybe]

Did this food cause you to have an allergic reaction? (n=136)

[Yes]	62%
[Maybe]	8%
[No]	28%
[Don't know]	2%
[Refused]	*

## Section N. Health Status and Foodborne Illness Experience

N0. TR98 and 2009

Of the following two statements, which one is closer to your view...? (n=4,568)

Certain types of people have a higher risk of getting food poisoning	45%
All types of people have about the same risk of getting food poisoning	50%
[It depends--Certain types of people are at higher risk for some types of food poisoning]	3%
Don't know	2%
[Refused]	*

N0A. TR98 and 2009 [IF N0 = Certain types of people have a higher risk of getting food poisoning or It depends--Certain types of people are at higher risk for some types of food poisoning]

What types of people do you think are more likely to get food poisoning? (n=2,210)

[Infants]	9%
[Children]	23%
[Pregnant women]	5%
[Elderly people]	25%
[People with certain illnesses]	17%
[Immunocompromised]	33%
[Careless people/people with poor food handling practices]	16%
[People who eat risky foods]	9%
[Teen/young adults]	3%
[Other]	22%
[Don't know]	11%
[Refused]	*

N1. Modified TR01, TR06

Have you been told by a doctor that you have either diabetes or reduced gastric acidity? (n=4,568)

[Yes, have a condition]	14%
[No, do not have a condition]	86%
[Don't know]	0%
[Refused]	0%

N2. Modified TR01, TR06

Have you have been told by a doctor that you have: liver disease, currently receiving chemotherapy/radiation therapy, HIV, AIDS, organ transplant, or a weakened immune system? (n=4,568)

[Yes, have a condition]	4%
[No, do not have a condition]	96%
[Don't know]	*
[Refused]	*

N3. TR93, TR98, TR01, TR06

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 spoiled or unsafe food? Don't include allergies to food. (n=4,568)

[Yes]	7%
[No]	92%
[Someone in household died from foodborne illness]	0%
[Don't know]	*
[Refused]	*

N4. [IF N3 = No, Don't know or Refused]

TR93, TR98, TR01, TR06

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 spoiled or unsafe food? (n=4,247)

[Yes]	16%
[No]	83%
[Someone in household died from foodborne illness]	0%
Don't know	*
[Refused]	*

N5. [If N3 or N4=Yes]

TR93, TR98, TR01, TR06

Was it you or someone else in your household who became sick? (n=892)

[Respondent]	38%
[Another household member]	48%
[Both]	13%
[Someone in household died from foodborne illness]	0%
[Don't know]	*
[Refused]	*

THER IS NO N6.

N7. [IF N5 = Respondent or Both respondent and another household member]

TR01 TR06

How soon after eating this food did you become sick? Would you say it was within days, hours, or minutes from eating the food or don't you know? (n=470)

[Days]	10%
--------	-----

[Hours]	82%
[Minutes]	5%
[Don't know]	3%
[Refused]	*

N7DAY. [IF N7 = DAYS]

How many days after eating the food did you become sick? (n=54)

1	59%
2	5%
3	2%
5	1%
21	1%
[Immediately]	23%
[Don't know]	9%
[Refused]	0%

N7HR. [IF N7 = HOURS]

How many hours after eating the food did you become sick? (n=365)

1	8%
2	20%
3	10%
4	8%
5	4%
6	10%
7	1%
8	2%
10	1%
12	5%
24	2%
36	1%
48	0%
[Immediately]	21%
[Don't know]	6%
[Refused]	*

N7MIN. [IF N7 = MINUTES]

How many minutes after eating the food did you become sick? (n=32)

5	2%
10	21%
15	3%
20	3%
30	37%
45	4%
60	5%
[Immediately]	25%
[Don't know]	0%
[Refused]	0%

N8. TR93, TR01

Did anyone report this illness? (n=470)

[Yes]	16%
-------	-----

[No]	84%
[Don't know]	*
[Refused]	*

N8A. TR01, TR06

[IF N8 = Yes]

Who did you report it to? (n=66)

[Doctor]	41%
[Hospital emergency room]	15%
[Local health department]	7%
[Government agency]	0%
[Other]	48%
[Don't know]	1%
[Refused]	0%

N9. TR93, TR01, TR06

Did [you/family member] see a doctor for this illness? (n=470)

[Yes]	14%
[No]	86%
[Don't know]	*
[Refused]	*

N10. [IF N9 = Yes]

TR93, TR01, TR06

Did a doctor say it was food poisoning or foodborne illness? (n=59)

[Yes]	62%
[Said it might be; possibly]	24%
[No]	12%
[Don't know]	3%
[Refused]	0%

N11. [IF N9 = Yes]

TR93, TR01, TR06

Did a doctor or other health professional take a stool sample or a blood sample? (n=59)

[Yes]	77%
[No]	22%
[Don't know]	1%
[Refused]	0%

## Section P. Demographics

P1. TR93, TR98, TR01, TR06

Not including cell phones, are there any telephone numbers in addition to <PHONE> in your home that you receive calls on? (n=4,568)

[Yes]	6%
[No]	93%
[Don't know]	*
[Refused]	*

P1A. [ASK IF P1 = Yes]

How many additional phone lines do you have in addition to <PHONE>? (n=486)

0	24%
1	48%
2	16%
3	7%
4	4%
5	*
9	*
[Don't know]	0%
[Refused]	0%

P2 TR93, TR98, TR01, TR06

Is this/are these number(s) for... (n=486)

Home use	53%
Business and home use	25%
Business use only	10%
[Don't know]	8%
[Refused]	4%

P3. TR01, TR06

How many total people, including yourself, live in your household? (n=4,568)

1	9%
2	30%
3	20%
4	18%
5	10%
6	4%
7	2%
8	1%
9	1%
10	1%
[Don't know]	*
[Refused]	*

P4A. [ASK IF P3 IS GREATER THAN 1]

TR01, TR06

Children younger than five years old? (n=3,502)

0	78%
1	13%
2	7%
3	1%
[Don't know]	*
[Refused]	*

P4B. [IF P4A > or = 10 CONFIRM ANSWER]

TR01, TR06

Children between 5 and 18 years? (n=3,502)

0	62%
1	17%
2	12%
3	5%

4	3%
5	*
6	*
[Don't know]	*
[Refused]	*

P4C. [IF P4B > or = 10 CONFIRM ANSWER]

TR01, TR06

Adults 60 years of age or older? (n=3,502)

0	64%
1	15%
2	18%
3	1%
4	1%
5	*
6	*
[Don't know]	*
[Refused]	*

P5. TR88, TR93, TR98, TR01, TR06

What year were you born? (n=4,568)

1926	1%
1929	1%
1930	1%
1931	1%
1932	1%
1933	1%
1934	1%
1935	1%
1936	1%
1937	1%
1938	1%
1939	1%
1940	1%
1941	1%
1942	1%
1943	1%
1944	1%
1945	1%
1946	1%
1947	1%
1948	2%
1949	1%
1950	1%
1951	2%
1952	2%
1953	2%
1954	2%
1955	3%
1956	3%
1957	2%



1958	2%
1959	2%
1960	2%
1961	2%
1962	2%
1963	2%
1964	1%
1965	2%
1966	2%
1967	1%
1968	1%
1969	2%
1970	2%
1971	2%
1972	1%
1973	1%
1974	1%
1975	2%
1976	3%
1977	2%
1978	3%
1979	3%
1980	3%
1981	2%
1982	2%
1983	1%
1984	1%
1985	2%
1986	1%
1987	2%
1988	1%
1989	1%
1990	1%
1991	1%
[Don't know]	*
[Refused]	4%

THERE IS NO P6.

P7. [DON'T ASK IF S4B= Male and P3 = Yes]

TR06

Is anyone in your household pregnant? (n=4,214)

[Yes]	3%
[No]	96%
[Don't know]	*
[Refused]	*

P7A. [IF P7 =Yes and if S4b=Female]

Are you pregnant or is it someone else? (n=44)

[Respondent is pregnant]	57%
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[Someone else]	34%
[Don't know]	*
[Refused]	9%

P8. TR93, TR98, TR01, TR06  
 Are you Hispanic or Latino? (n=4,568)

[Yes]	13%
[No]	85%
[Don't know]	*
[Refused]	1%

P9. TR88, TR93, TR98, TR01, TR06  
 What is your race? (n=4,568)

[White]	71%
[Black or African American]	12%
[Asian]	2%
[Native Hawaiian or other Pacific Islander]	1%
[American Indian or Alaska Native]	2%
[Other]	3%
[Hispanic or Latino]	9%
[Mixed Race]	2%
[Don't know]	*
[Refused]	2%

P10. TR88, TR93, TR98, TR01, TR06  
 What is the last grade or year of school that you have completed? (n=4,568)

[Less than high school degree]	14%
[12 years [high school graduate or GED]	30%
[13-15 years [1-3 years college (some college)]]	28%
[16 years [college graduate (bachelor degree or equivalent)]]	16%
[(>16 years) postgraduate, master's degree, doctorate, law degree, other professional degree]	11%
[Don't know]	*
[Refused]	1%

P11. TR06  
 What is your current working status? Are you... (n=4,568)

[Working full-time for pay]	42%
[Working part-time for pay]	10%
[Employed, but temporarily not working]	2%
[Looking for work]	9%
[Working, but not for pay]	1%
[Not working at a job or business and not looking for work/retired]	34%
[Don't know]	*
[Refused]	1%

THERE IS NO P12.

P13. TR06

Now, thinking of your household's total income from all sources before taxes, did your household earn \$20,000 or more last year? (n=4,568)

[Yes]	71%
[No]	16%
[Don't know]	5%
[Refused]	8%

P14. TR98, TR01, TR06

Which of the following categories best describes your total household income before taxes?

Please, stop me when I read your category. (n=3,227)

\$20,000 - \$30,000	14%
\$30,000 - \$40,000	15%
\$40,000 - \$50,000	10%
\$50,000 - \$60,000	10%
\$60,000 - \$70,000	9%
\$70,000 - \$80,000	7%
\$80,000 - \$90,000	5%
\$90,000 - \$100,000	4%
\$100,000 - 150,000	12%
More than \$150,000	5%
[Don't know]	2%
[Refused]	7%

Thank you, those are all the questions I have.