

**2006 FDA/FSIS FOOD SAFETY SURVEY  
TOP LINE FREQUENCY REPORT**

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Results are based on a random-digit-dialing telephone survey of 4,539 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 sequentially administered to the sample. Version 1 had 2,275 respondents and Version 2 had 2264 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 January 12 - June 20, 2006. Results have been weighted to adjust for 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. An asterisk (\*) denotes a percentage less than one. Row or column percentages may not sum to 100 due to rounding, multiple responses, or both.

Questions that are used for the Health People 2010 analysis are marked "HP". Tracking questions from 1988, 1993, 1998, and 2001 are marked TR88, TR93, TR98, and TR01.

Responses in all capital letters are not read to respondents.

**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 US 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.

(IF NECESSARY: The survey will take about 20 minutes.)

**S3.**

I need to speak with the household member, who is at least 18 years old and has had the most RECENT birthday? May I please speak to that person now?" (n=4539)

33% PASSED PHONE (YES SOMEONE ELSE GETS ON PHONE (READ INTRODUCTION WHEN THEY COME TO ) THE PHONE. THEN GO TO **S4 then A1)**

67% TARGET ON PHONE YES. THE SAME PERSON STAYS ON THE PHONE, CONTINUE WITH INTERVIEW.

**S4. GENDER (n=4539)**

48% male

53% female

## SECTION A RISK PERCEPTION

To start off, I would like to ask...

**A2.** TR98, TR01

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=4539)

14% very common,  
35% somewhat common, or  
50% not very common?  
2% DON'T KNOW  
\* REFUSED

**A3.** TR98, TR01

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=4539)

56% more common than from food prepared at home,  
14% less common than food prepared at home, or  
28% about the same as food prepared at home?  
2% DON'T KNOW  
\* REFUSED

**A4.** TR01, TR98

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=4539)

31% SERIOUS FOOD SAFETY PROBLEM  
57% SOMEWHAT OF A FOOD SAFETY PROBLEM  
10% NOT A FOOD SAFETY PROBLEM AT ALL  
3% DON'T KNOW  
\* REFUSED

**A5.** TR98, TR01

How likely do you think it is that the following foods contain germs or other micro-organisms that could make you sick? Please use any number between 1 and 5, where 1 is not at all likely and 5 is very likely.

**A5A.**

Raw chicken -- how likely is it that raw chicken has germs that could make you sick? Remember that 1 is not at all likely and 5 is very likely. (n=4539)

3% NOT AT ALL LIKELY  
4% 2  
13% 3  
16% 4  
63% VERY LIKELY  
\* DON'T KNOW

\* REFUSED

**(ROTATE A5BV1 – A5DV1)**

**A5BV1.**

How about raw beef? IF NECESSARY: How likely is it that raw beef has germs that could make you sick? Remember that 1 is not at all likely and 5 is very likely. (n=2275)

6% (NOT AT ALL LIKELY)  
10% 2  
22% 3  
22% 4  
38% (VERY LIKELY)  
1% DON'T KNOW  
\* REFUSED

**A5CV1.**

How about raw fruits? IF NECESSARY: How likely is it that raw fruits have germs that could make you sick? Remember that 1 is not at all likely and 5 is very likely. (n=2275)

43% (NOT AT ALL LIKELY)  
25% 2  
16% 3  
7% 4  
8% (VERY LIKELY)  
1% DON'T KNOW  
\* REFUSED

**A5DV1.**

How about raw eggs? IF NECESSARY: We are only talking about unpasteurized eggs. IF NECESSARY: How likely is it that raw eggs have germs that could make you sick? (n=2275)

11% (NOT AT ALL LIKELY)  
14% 2  
21% 3  
19% 4  
34% (VERY LIKELY)  
1% DON'T KNOW  
\* REFUSED

**(ROTATE A5EV2 – A5GV2)**

**A5EV2.**

How about raw vegetables? IF NECESSARY: How likely is it that raw vegetables have germs that could make you sick? Remember that 1 is not at all likely and 5 is very likely. (n= 2264)

41% (NOT AT ALL LIKELY)  
27% 2  
18% 3

8% 4  
5% (VERY LIKELY)  
1% DON'T KNOW  
\* REFUSE

**A5FV2.**

How about raw shellfish? (DO NOT READ: SHELLFISH INCLUDES CLAMS, OYSTERS, SHRIMP.) IF NECESSARY: How likely is it that raw shellfish has germs that could make you sick? Remember that 1 is not at all likely and 5 is very likely. (n=2264)

3% (NOT AT ALL LIKELY)  
7% 2  
17% 3  
21% 4  
46% (VERY LIKELY)  
5% DON'T KNOW  
\* REFUSED

**A5GV2.**

How about foods that contain raw fish, like ceviche (se-VEE-chay) or sushi? IF NECESSARY How likely is it that raw fish has germs that could make you sick? Remember that 1 is not at all likely and 5 is very likely. (n=2264)

5% (NOT AT ALL LIKELY)  
12% 2  
21% 3  
19% 4  
38% (VERY LIKELY)  
5% DON'T KNOW  
\*% REFUSED

**SECTION B HAS MOVED TO AFTER SECTION F**

**SECTION C ALLERGEN AND GLUTEN SCREENERS**

**\*Questions C1V2 C2V2 and C3V2 were asked of all participants at first. They were versioned later in the survey process.**

**C1V2.**

Have you heard of gluten (GLUE-tin) or gluten-free (GLUE-tin)? (n=2428)

51% Yes  
48% No  
\* Don't know  
\* Refused

**C2V2. [IF C1=1]**

Which of the following best describes gluten (GLUE-tin)? I am going to read three definitions. Please tell me which one you think it is. (ROTATE RESPONSE OPTIONS) (n=1414)

- 67% Proteins in certain grains that are harmful to some people.
- 7% Pesticide used in food production
- 23% Chemical flavor enhancer
- 4% DON'T KNOW
- \* REFUSED

**C3V2.** [IF C1=1]

Do you avoid foods that contain gluten (GLUE-tin)? (n=1414)

- 17% YES
- 76% NO
- 6% DON'T KNOW
- \* REFUSED

**C4V1A.** 1. I am going to read you a list of physical reactions to food that some people experience soon after eating them. Please tell me whether or not *you* experience any of these reactions within one hour of eating any food. Do you experience . . . [READ ENTIRE LIST AT ONCE] Wheezing, trouble breathing or coughing, throat tightness, or stuffy nose. [PLEASE NOTE: WE ARE ONLY REFERRING TO THE RESPONDENT. IF MENTION OF ONLY ANOTHER HOUSEHOLD MEMBER, PLEASE CODE AS "NO"] (n=2275)

- 12% YES
- 87% NO
- 1% DON'T KNOW
- \* REFUSED

**C4V1B.** How about . . . [READ ENTIRE LIST AT ONCE] Stomach pain, vomiting, tingling/swelling of mouth or lips within one hour of eating any food? [IF NEEDED: Please tell me whether or not *you* experience any of these reactions within one hour of eating any food.] [PLEASE NOTE: WE ARE ONLY REFERRING TO THE RESPONDENT. IF MENTION OF ONLY ANOTHER HOUSEHOLD MEMBER, PLEASE CODE AS "NO"] (n=2275)

- 19% YES
- 81% NO
- \* DON'T KNOW
- \* REFUSED

**C4V1C.** And finally, how about severe hives, rash, swelling of the skin, or itchy skin, throat or mouth within one hour of eating any food. [IF NEEDED: Please tell me whether or not *you* experience any of these reactions within one hour of eating any food.] [PLEASE NOTE: WE ARE ONLY REFERRING TO THE RESPONDENT. IF MENTION OF ONLY ANOTHER HOUSEHOLD MEMBER, PLEASE CODE AS "NO"] (n=2275)

- 11% YES
- 88% NO
- \* DON'T KNOW
- \* REFUSED

**C4V2A.** 1. I am going to read you a list of physical reactions to food that some people experience soon after eating them. Please tell me whether or not *you or anyone in your household* experiences any of these reactions within one hour of eating any food. Do you or anyone in your household experience . . . [READ ENTIRE LIST

AT ONCE] Wheezing, trouble breathing or coughing, throat tightness, or stuffy nose. [PLEASE NOTE: WE ARE REFERRING TO ANYONE IN THE HOUSEHOLD.] (n=2264)

14% YES  
86% NO  
\* DON'T KNOW  
\* REFUSED

**C4V2B.** How about . . . [READ ENTIRE LIST AT ONCE] Stomach pain, vomiting, tingling/swelling of mouth or lips within one hour of eating any food? [IF NEEDED: Please tell me whether or *not you or anyone in your household has* experienced any of these reactions within one hour of eating any food.] . [PLEASE NOTE: WE ARE REFERRING TO ANYONE IN THE HOUSEHOLD.] (n=2264)

15% YES  
84% NO  
\* DON'T KNOW  
\* REFUSED

**C4V2C.** And finally, how about severe hives, rash, swelling of the skin, or itchy skin, throat or mouth within one hour of eating any food. [IF NEEDED: Please tell me whether or *not you or anyone in your household has* experienced any of these reactions within one hour of eating any food. [PLEASE NOTE: WE ARE REFERRING TO ANYONE IN THE HOUSEHOLD.] (n=2264)

13% YES  
86% NO  
1 % DON'T KNOW  
\* REFUSED

**C6. HP**

Now, [PAUSE] I'd like to ask if **you** have any current food allergies, or do you suspect you have a food allergy? [IF NEEDED: Do not count allergies you used to have but outgrew or were desensitized to]. [MARK YES IF RESPONDENT THINKS HE/SHE HAS A FOOD ALLERGY. IT IS NOT NECESSARY TO HAVE BEEN DIAGNOSED BY A DOCTOR. DO NOT COUNT ALLERGIES THAT OTHER HOUSEHOLD MEMBERS HAVE] (n=4539)

15% YES  
85% NO OR NOT AWARE OF  
\* SOMEONE IN HOUSEHOLD DIED FROM FOOD ALLERGY (DIED: I'm very sorry to hear that. I won't be asking questions about that)  
\* DON'T KNOW  
\* REFUSED

**SECTION D FOOD HANDLING PRACTICES**

Now, I have some questions about cooking at home.

**D1. TR93-TR01**

Where you live, do you have a refrigerator and either a stove or microwave? (n=4539)

99% YES

- 1% NO
- \* DON'T KNOW
- \* REFUSED

[IF D1=2- OR 8 OR 9, GO TO E9V1 (if in version 1) or E14V2 (if in version 2)]

**D2V1. TR93-TR01**

How often do you prepare the main meal in your household? Do you prepare the main meal . . .  
(n=2260)

- 61% all or nearly all of the time,
- 34% only some of the time, or
- 4% never?
- \* DON'T KNOW
- \* REFUSED

**D2V2. When cooking at home, how often do you prepare the main meal in your household? Do you prepare the main meal . . . (n=2246)**

- 61% all or nearly all of the time,
- 33% only some of the time, or
- 6% never?
- \* DON'T KNOW
- \* REFUSED

There is no question D3

**D4. HP**

Before you begin preparing food, how often do you wash your hands with soap? (n=4506)

- 75% All of the time
- 19% Most of the time
- 5% Some of the time, or
- 1% Rarely
- \* DON'T KNOW
- \* REFUSED

[IF D2[V] = 3 OR 8 OR 9 GO TO D9]

**D5. Tr98, TR01**

[IF D2[V] = 1 or 2, THEN D5]

Do you ever prepare fish or shellfish? (n=4272)

- 65% YES
- 35% NO
- \* DON'T KNOW



\* REFUSED

**D6.** Tr98, TR01

[IF D5=1]

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=2869)

80% YES  
19% NO  
\* DON'T KNOW  
\* REFUSED

**D7.** TR98, TR01

[IF D2[V] = 1 or 2, THEN D7]

Do you ever prepare meat or chicken? (n=4272)

97% YES  
3% NO  
\* DON'T KNOW  
\* REFUSED

**D8.** Tr98, Tr01

[ASK IF D7= 1]

Do you ever prepare meals where you begin with raw meat or chicken? (NOTE: FROZEN MEAT IS FINE AS LONG AS IT IS FROZEN RAW.) (n=4151)

91% YES  
9% NO  
\* DON'T KNOW  
\* REFUSED

**D9.** HP (THIS QUESTION IS NO LONGER VERSIONED. ALL RESPONDENTS SHOULD GET IT.)

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=4506)

2% RARE, (GO TO D11)  
21% MEDIUM (GO TO D10)  
64% WELL DONE(GO TO D11)  
2% MEDIUM RARE (GO TO D10) [DO NOT READ]  
3% MEDIUM WELL (GO TO D10) [DO NOT READ]  
7% HAMBURGERS ARE NEVER SERVED (GO TO D11) [DO NOT READ]  
\* DON'T KNOW (GO TO D11)

\* REFUSED (GO TO D11)

**D10. HP [ASK IF D9V1 = 2, 4, or 5]**

When you say hamburgers are usually served "medium / medium well / medium rare" (HAVE THE ANSWER FROM PREVIOUS QUESTION POP UP) do you mean they are... (n=1230)

36% brown all the way through, or  
63% still have some pink in the middle?  
\* DON'T KNOW  
\* REFUSED

(ROTATE D11, D12, D13.)

(NON-COOKS, D2V[] =3 OR 8 OR 9, GO TO D17)

**D11. HP [ASK IF D2[V] = 1 or 2]**

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? IF NECESSARY TO CLARIFY "CONTINUE COOKING": Touching anything besides the eggs, such as cookware, bottles of seasoning, or other ingredients. (n=4272)

29% CONTINUE COOKING  
27% RINSE OR WIPE HANDS  
41% WASH WITH SOAP  
1% NEVER HANDLE RAW EGGS  
1% DON'T KNOW  
\* REFUSED

**D11a1. (Called d11aL)**

IF IT WAS NECESSARY TO CLARIFY THE MEANING OF "CONTINUE COOKING" ENTER CODE 1, OTHERWISE ENTER CODE 2 (n=4272)

16% READ CLARIFICATION INSTRUCTION  
84% DID NOT READ CLARIFICATION INSTRUCTION

**D12. HP**

[ASK IF D8 = 1]

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? WASH WITH WATER IS CODED WITH RINSE. IF NECESSARY TO CLARIFY "CONTINUE COOKING": You touch anything besides the meat, such as cookware, bottles of seasoning, or other ingredients. (n=3755)

3% CONTINUE COOKING  
15% RINSE OR WIPE HANDS  
81% WASH WITH SOAP  
\* DON'T HANDLE RAW MEAT OR CHICKEN  
\* DON'T KNOW  
\* REFUSED

**D12a1. (Called d12aL)**

IF IT WAS NECESSARY TO CLARIFY THE MEANING OF "CONTINUE COOKING" ENTER CODE 1, OTHERWISE ENTER CODE 2 (n=3755)

14% READ CLARIFICATION INSTRUCTION  
86% DID NOT READ CLARIFICATION INSTRUCTION

**D13. HP [ASK IF D6 = 1]**

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. IF NECESSARY TO CLARIFY "CONTINUE COOKING": You touch anything besides the fish, such as cookware, bottles of seasoning, or other ingredients. (n=2313)

3% CONTINUE COOKING  
17% RINSE OR WIPE HANDS  
79% WASH WITH SOAP  
\* NEVER HANDLE RAW FISH  
\* DON'T KNOW  
\* REFUSED

**D13aL. (Called D13aL)**

IF IT WAS NECESSARY TO CLARIFY THE MEANING OF "CONTINUE COOKING" ENTER CODE 1, OTHERWISE ENTER CODE 2 (n=2313)

14% READ CLARIFICATION INSTRUCTION  
86% DID NOT READ CLARIFICATION INSTRUCTION

**D14. HP [IF D8 = 1] (MORE THAN ONE RESPONSE WAS ALLOWED FOR THIS QUESTION)**

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=3755)

D14a. USE AS IT IS (PRECODE)

1% VALID  
99% MISSING

D14b. RINSE OR WIPE IT (PRECODE)

11% VALID  
90% MISSING

D14c. WASH WITH SOAP (PRECODE)

78% VALID

22% MISSING

D14d. WASH WITH BLEACH (PRECODE)

4% VALID  
96% MISSING

D14e USE A DIFFERENT BOARD (PRECODE)

4% VALID  
96% MISSING

D14f. DON'T CUT RAW MEAT OR POULTRY (PRECODE)

\* VALID  
100% MISSING

D14g. OTHER (THAT WERE NOT CODED INTO A PRECODE OR NEW CODE)

\* VALID  
100% MISSING

D14h. DON'T KNOW

\* VALID  
100% MISSING

D14i. REFUSED

\* VALID  
100% MISSING

D14j. DON'T USE CUTTING BOARD (NEW CODE)

\* VALID  
100% MISSING

D14k. TURN OVER/OTHER SIDE (NEW CODE)

\* VALID  
100% MISSING

D14l. CUT OTHER FOODS FIRST (NEW CODE)

\* VALID  
100% MISSING

D14m. DON'T USE/TRY NOT TO USE (NEW CODE)

\* VALID  
100% MISSING

D14n. USE DISINFECTANT (NEW CODE)

\* VALID  
100% MISSING

D14o. USE DISPOSABLE SHEET (NEW CODE)

\* VALID  
100% MISSING

D14p. WASH WITH VINEGAR (NEW CODE)

\* VALID  
100% MISSING

**D14CLASS.** Classification of other specify response. (n=102)

40% Verbatim coded in precode.  
51% Verbatim coded in new code.  
9% Verbatim coded in other.

(Raw fish and raw meat cooks)

**D15.** HP [ASK IF D6 = 1 and D8=1] (MORE THAN ONE RESPONSE WAS ALLOWED FOR THIS QUESTION)

After cutting raw fish or shellfish, what do you do with the cutting board or surface? IF NECESSARY 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=2223)

D15A. USE AS IT IS

\* VALID  
100% MISSING

D15B. RINSE/WIPE IT

8% VALID  
92% MISSING

D15C. WASH WITH SOAP

80% VALID  
20% MISSING

D15D. WASH WITH BLEACH

6% VALID

94% MISSING

D15E. USE DIFF BOARD

2% VALID

98% MISSING

D15F. DON'T CUT

1% VALID

99% MISSING

D15G. OTHER (THAT WERE NOT CODED INTO A PRECODE OR NEW CODE)

\* VALID

100% MISSING

D15H. DON'T KNOW

\* VALID

100 MISSING

D15I. REFUSED

\* VALID

100% MISSING

D15J. DON'T USE CUTTING BOARD

\* VALID

100% MISSING

D15K. TURN OVER/OTHR SIDE

\* VALID

100% MISSING

D15L. DON'T/TRY NOT USE

\* VALID

100% MISSING

D15M. USE DISINFECTANT

1% VALID

99% MISSING

D15N. USE DISPOSABLE SHEET

1% VALID  
99% MISSING

D15O. WASH W/VINEGAR

\* VALID  
100% MISSING

D15P. PUT IT IN SINK

\* VALID  
100% MISSING

D15OTR. VERBATIM RESPONSES

**D15CLASS.** Classification of other specify response. (n=122)

55% Verbatim coded in precode.  
40% Verbatim coded in new code.  
5% Verbatim coded in other.

(Raw fish cooks who are not raw meat cooks)

**D16.** [ASK IF D6 = 1 and D8 = 0, DK, or REF]

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=90)

1% USE AS IT IS  
7% RINSE OR WIPE IT  
85% WASH WITH SOAP  
5% WASH WITH BLEACH  
1% USE A DIFFERENT BOARD  
\* DON'T CUT RAW FISH OR SHELLFISH  
\* OTHER  
\* DON'T KNOW  
\* REFUSED

## **SECTION E FOOD HANDLING PRACTICES, CONTINUED**

**E1.** HP [ASK IF D7 = 1]

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=4151)

23% Immediately

- 71% After first cooling it at room temperature, or
- 3% After first cooling it in cold water?
- 1% DO NOT COOK SUCH FOODS [DO NOT READ]
- 1% WOULD NOT REFRIGERATE IT [DO NOT READ]
- 1% DON'T KNOW
- \* REFUSED

**E2.** HP [ASK IF E1 = 2]

For about how long would you let it cool at room temperature? (n=2891)

- 83% LESS THAN TWO HOURS [DO NOT READ]
- 14% TWO HOURS OR MORE / ABOUT 2 HOURS [DO NOT READ]
- 3% DON'T KNOW [DO NOT READ]
- \* REFUSED [DO NOT READ]

(Fish cooks who also cook meat)

**E3.** HP [IF D5 = 1 AND D7 = 1]

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=2837)

- 32% Immediately
- 43% After first cooling it at room temperature, or
- 4% After first cooling it in cold water?
- 15% DO NOT COOK SUCH FOODS [DO NOT READ]
- 4% WOULD NOT REFRIGERATE IT [DO NOT READ]
- 2% DON'T KNOW [DO NOT READ]
- 1% REFUSED [DO NOT READ]

(Fish cooks who do not cook meat)

**E4.** HP [IF D5 = 1 AND D7 = 0, DK, or REF]

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=32)

- 43% Immediately
- 40% After first cooling it at room temperature, or
- 1% After first cooling it in cold water?
- 10% DO NOT COOK SUCH FOODS [DO NOT READ]
- 7% WOULD NOT REFRIGERATE IT [DO NOT READ]
- \* DON'T KNOW [DO NOT READ]
- \* REFUSED [DO NOT READ]

**E5.** HP [ASK IF E3=2 or E4 = 2]

For about how long would you let it cool at room temperature? (n=1168)



- 84% LESS THAN TWO HOURS [DO NOT READ]
- 13% TWO HOURS OR MORE [DO NOT READ]
- 2% DON'T KNOW [DO NOT READ]
- 1% REFUSED [DO NOT READ]

**E6. TR01**

Have you grilled meat, poultry, or fish outside in the past year? (n=4506)

- 71% YES
- \*% NOT SURE (GO TO E9V1 or E14V2)
- 29% NO (GO TO E9V1 or E14V2)
- \* DON'T KNOW (GO TO E9V1 or E14V2)
- \* REFUSED (GO TO E9V1 or E14V2)

**E7. TR01 [IF E6=1]**

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=3109)

- 5% The plate or pan you used to carry the food to the grill
- 78% A different plate or pan, or do you usually
- 15% Serve directly from the grill to individual plates?
- 2% OTHER
- \* DON'T KNOW
- \* REFUSED

**E8. TR01 [IF E7=1]**

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=160)

- 33% USE AS IS
- 23% WIPE OR RINSE IT
- 40% WASH WITH SOAP (OR BLEACH)
- 3% NOT SURE
- \* DON'T KNOW
- \* REFUSED

The Fruit and Vegetable washing questions have been modified.

**E9V1.** Do you ever buy bagged, precut lettuce? IF NECESSARY: WE ARE TALKING ABOUT BAGGED SALAD (n=2275)

- 71% YES
- 28% NO
- \* DON'T KNOW
- \* REFUSED

**E10V1.** [IF E9V1=1]

Do you usually wash or rinse bagged, precut lettuce before you eat it? (n=1613)

- 49% YES
- 46% NO
- 5% IT DEPENDS (IE. PRODUCT TYPE, HOW IT LOOKS, HOW IT SMELLS)
- \* DON'T KNOW
- \* REFUSED

**E10V1a.**

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=1613)

- 35% All of them
- 24% Most of them
- 24% Only some of them,
- 7% None of them
- 9% DON'T KNOW
- \* REFUSED

**E11V1.**

Do you ever buy tomatoes? (n=2275)

- 87% YES
- 13% NO
- \* DON'T KNOW
- \* REFUSED

**E12V1. TR01**

[IF E11V1=1]

Do you usually wash or rinse tomatoes before you prepare or eat them?( n=2029)

- 97% YES
- 3% NO
- \* DON'T KNOW
- \* REFUSED

**E13V1.** [IF E12V1=1]

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= 1965)

E13V1\_1. Rub them under running water, with a brush, cloth or your hands

- 75% VALID

25% MISSING

E13V1\_2. Hold under running water, without rubbing them, or

20% VALID  
80% MISSING

E13V1\_3. Soak them in a container of water, or do you

3% VALID  
97% MISSING

E13V1\_4. Use any type of cleaner to wash tomatoes?

7% VALID  
93% MISSING

E13V1\_5. DON'T KNOW

\* VALID  
100% MISSING

E13V1\_6. REFUSED

\* VALID  
100% MISSING

**E13V1A.** [IF E13V1\_4 =1]

What type of cleaner do you use? [CHECK ANY MENTION OF THE FOLLOWING. ACCEPT MULTIPLES] (n=153)

E13V1a1. OTHER –HAND SOAP

10% VALID  
91% MISSING

E13V1a2. OTHER--DISH SOAP

34% VALID  
66% MISSING

E13V1a3. OTHER—VINEGAR

3% VALID  
97% MISSING

E13V1a4. OTHER—CLOROX

5% VALID  
95% MISSING

E13V1a5. OTHER—PRODUCE CLEANER

20% VALID  
80% MISSING

E13V1a6. OTHER—OTHER

32% VALID  
68% MISSING

E13V1a7. OTHER—DON'T KNOW

2% VALID  
98% MISSING

E13V1a8. OTHER —REFUSED

\*VALID  
100% MISSING

**E14V2.**

Do you ever buy cantaloupe? (n=2264)

74% YES  
26% NO  
\* DON'T KNOW  
\* REFUSED

**E15V2.TR01 [IF E14V2=1]**

Do you usually wash or rinse cantaloupe before you prepare or cut it? (n=1806)

57% YES  
42% NO  
1% DON'T KNOW  
\* REFUSED

**E16V2. [IF E15V2=1]**

Do you use any of these methods to wash or rinse cantaloupe? Please choose one or more. Do you...  
[ACCEPT MULTIPLES] (n=1013)

E16V2\_1. Rub them under running water, with a brush, cloth or your hands

72% VALID  
28% MISSING

E16V2\_2. Hold under running water, without rubbing them, or

21% VALID  
79% MISSING

E16V2\_3. Soak them in a container of water, or do you

3% VALID  
97% MISSING

E16V2\_4. Use any type of cleaner to wash tomatoes?

7% VALID  
93% MISSING

E16V2\_5. DON'T KNOW

\* VALID  
100% MISSING

E16V2\_6. REFUSED

\* VALID  
100% MISSING

**E16V2E.** [IF E16V2\_4=1]

What type of cleaner do you use? [CHECK ANY MENTION OF THE FOLLOWING. ACCEPT MULTIPLES] (n=86)

E16V2a1. OTHER –HAND SOAP

2% VALID  
98% MISSING

E16V2a2. OTHER--DISH SOAP

44% VALID  
56% MISSING

E16V2a3. OTHER—VINEGAR

9% VALID  
91% MISSING

E16V2a4. OTHER—CLOROX

3% VALID  
97% MISSING

E16V2a5. OTHER—PRODUCE CLEANER

27% VALID  
73% MISSING

E16V2a6. OTHER—OTHER

19% VALID  
81% MISSING

E16V2a7. OTHER—DON'T KNOW

\* VALID  
100% MISSING

E16V2a8. OTHER —REFUSED

\* VALID  
100% MISSING

**E17V2.**

Do you ever buy strawberries? (n=2264)

86% YES  
13% NO  
\* DON'T KNOW  
\* REFUSED

**E18V2. TR01 [IF E17V2=1]**

Do you usually wash or rinse strawberries before you prepare or eat them? (n=2001)

97% YES  
2% NO  
\* NEVER PREPARE STRAWBERRIES  
\* DON'T KNOW  
\* REFUSED

**E19V2. [IF E18V2=1]**

Do you use any of these methods to wash or rinse strawberries? 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=1957)

E19V2\_1. Rub them under running water, with a brush, cloth or your hands

46% VALID  
54% MISSING

E19V2\_2. Hold under running water, without rubbing them, or

43% VALID

57% MISSING

E19V2\_3. Soak them in a container of water, or do you

16% VALID  
84% MISSING

E19V2\_4. Use any type of cleaner to wash tomatoes?

4% VALID  
96% MISSING

E19V2\_5. DON'T KNOW

\* VALID  
100% MISSING

E19V2\_6. REFUSED

\* VALID  
100% MISSING

**E19V2A.** [IF E19V2\_4=1]

What type of cleaner do you use? [CHECK ANY MENTION OF THE FOLLOWING. ACCEPT MULTIPLES] (n=87)

E19V2a1. OTHER –HAND SOAP

3% VALID  
97% MISSING

E19V2a2. OTHER--DISH SOAP

18% VALID  
82% MISSING

E19V2a3. OTHER—VINEGAR

9% VALID  
91% MISSING

E19V2a4. OTHER—CLOROX

2% VALID  
98% MISSING

E19V2a5. OTHER—PRODUCE CLEANER

39% VALID  
62% MISSING

E19V2a6. OTHER—OTHER

29% VALID  
71% MISSING

E19V2a7. OTHER—DON'T KNOW

1% VALID  
99% MISSING

E19V2a8. OTHER –REFUSED

\* VALID  
100% MISSING

**E20V1.**

How often, if ever, do you buy hot, take-out or carry-out food from restaurants, markets or grocery store delis? Please include things like hot fast-food, hot fast-foods from drive thrus, Chinese take-out, pizza, hot entrée's from a deli, and rotisserie chickens. (n=2418)

5% Never  
4% Daily  
27% A few times a week  
21% Once a week  
23% A few times a month  
20% Once a month or less  
\* DON'T KNOW  
\* REFUSED

**E21V1.[IF E20=2-6]**

After you buy hot, take-out food, what is the longest amount of time you might keep it at room temperature and then eat it? Would you say...(n=2263)

81% Less than one hour,  
14% 1-2 hours,  
3% 3-6 hours or,  
1% More than six hours  
1% DON'T KNOW  
1% REFUSED

**E22V1.[IF E20=2-6]**

Do you ever keep hot, take-out food in the refrigerator? (n=2263)

61% YES  
39% NO



- \* DON'T KNOW
- \* REFUSED

**E23V1.[IF E22=1]**

In the last year, what is the longest amount of time you have kept hot, take-out food in the refrigerator and still eaten it? (n=1363)

Time Unit Responded In:

- 1% E23min
- 11% E23hr
- 79% E23day [RANGE 1-31]
- 5% E23wks [RANGE 1-4] IF GREATER THAN 4 CONFIRM THEN ALLOW.
- 3% DON'T KNOW or REFUSED

**SECTION F MICRO-ORGANISMS AND PERSONAL VULNERABILITY**

**F1. Tr93, TR98, TR01**

Have you ever heard of Salmonella (sal- mon - ELL - la) as a problem in food? [NOTE: IF THE RESPONDENT HAS HEARD OF SALMONELLA, BUT NOT AS A PROBLEM IN FOOD, CODE AS "NO"] (n=4539)

- 86% YES
- 11% NO
- \* DON'T KNOW
- \* REFUSED

**F2V1.TR93, TR98, TR01**

How do you think a food can be made safe if it has salmonella (sal - mon - ELL - la) in it? Would you say by... (ACCEPT MULTIPLES. READ ENTIRE LIST WITHOUT ASKING EACH ITEM SEPARATELY. DO NOT PROBE.) (CHECK CODING HERE) (n=2275)

F2v1\_1. Cooking it

- 51% VALID
- 49% MISSING

F2v1\_2. Washing it

- 11% VALID
- 89% MISSING

F2v1\_3. Freezing it,

- 3% VALID
- 97% MISSING

F2v1\_4. Adding vinegar or lemon juice, or

4% VALID  
96% MISSING

F2v1\_5. would you say the food cannot be made safe [PLEASE READ THIS OUT LOUD]

35% VALID  
65% MISSING

F2v1\_6. DON'T KNOW

7% VALID  
93% MISSING

F2v1\_7. REFUSED

1% VALID  
99% MISSING

**F3V2.** Do you think a food can be made safe if it has salmonella in it by (ROTATE RESPONSE OPTIONS 1-4, #5 IS ALWAYS LAST...) (EACH RESPONSE SHOULD HAVE A YES/NO ANSWER.)

F3V2\_1. Cooking it (n=2264)

63% YES  
28% NO  
8% DON'T KNOW  
\* REFUSED

F3V2\_2. Washing it (n=2264)

24% YES  
67% NO  
9% DON'T KNOW  
\* REFUSED

F3V2\_3. Freezing it, (n=2264)

13% YES  
75% NO  
12% DON'T KNOW  
\* REFUSED

F3V2\_4. Adding vinegar or lemon juice, (n=2264)

13% YES  
70% NO  
17% DON'T KNOW  
\* REFUSED

F3V2\_5. Do you think the food can not be made safe? (ONLY GET THIS RESPONSE IF TO 1-4)  
(n=678)

57% YES  
30% NO  
13% DON'T KNOW  
\* REFUSED

**F4. TR01**

[Have you ever heard of] Listeria (lis - TEER - ee - ah) as a problem in food? [NOTE: IF THE RESPONDENT HAS HEARD OF LISTERIA, BUT NOT AS A PROBLEM IN FOOD, CODE AS "NO"] (n=4539)

30% YES  
69% NO  
1% DON'T KNOW  
\* REFUSED

[ROTATE F5V1 and F6V1]

**F5V1. Tr93, TR98, TR01**

[Have you ever heard of] Campylobacter (KAM - pee - low - BACK - ter) as a problem in food? [NOTE: IF THE RESPONDENT HAS HEARD OF CAMPYLOBACTER, BUT NOT AS A PROBLEM IN FOOD, CODE AS "NO"] (n=2275)

13% YES  
87% NO  
1% DON'T KNOW  
\* REFUSED

**F6V1. TR93, TR98, TR01**

[Have you ever heard of] Vibrio (VIB-bree-oh) as a problem in food? [NOTE: IF THE RESPONDENT HAS HEARD OF VIBRIO, BUT NOT AS A PROBLEM IN FOOD, CODE AS "NO"] (n=2275)

6% YES  
93% NO  
\* DON'T KNOW  
\* REFUSED

[ROTATE F7V2 and F8V2]

**F7V2. TR93, TR98, TR01**

[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=2264)

85% YES  
15% NO

- \* DON'T KNOW
- \* REFUSED

**F8V2. TR93**

[Have you ever heard of] Hepatitis A as a problem in food? ?[NOTE: IF THE RESPONDENT HAS HEARD OF HEPATITIS A, BUT NOT AS A PROBLEM IN FOOD, CODE AS "NO"] (n=2264)

- 49% YES
- 50% NO
- 1% DON'T KNOW
- \* REFUSED

**F9. Tr01 Removed 3-1-06**

Now I have a question about egg cartons.

Have you seen safe handling statements on egg cartons? (n=1633)

- 35% YES
- 58% NO
- 6% DON'T KNOW
- \* REFUSED

[ROTATE F10A- F10G]

**F10A. TR98 , TR01**

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.) (n=4539)

First, if you forget to wash your hands before you begin cooking, how likely are you to get sick? Where 1 is not at all likely and 5 is very likely.

- 14% Not at all likely
- 24% 2
- 28% 3
- 16% 4
- 17% Very likely
- 1% DON'T KNOW
- \* REFUSED

**F10B.**

If vegetables you will eat raw happen to touch raw meat or chicken, how likely are you to get sick? IF NECESSARY: Where 1 is not at all likely and 5 is very likely. (n=4539)

- 8% Not at all likely
- 12% 2
- 24% 3
- 24% 4
- 30% Very likely

DON'T KNOW  
REFUSED

**F10C.**

If you eat meat or chicken that is not thoroughly cooked, how likely are you to get sick? IF NECESSARY: Where 1 is not at all likely and 5 is very likely. (n=4539)

4% Not at all likely  
8% 2  
21% 3  
26% 4  
39% Very likely  
1% DON'T KNOW  
\* REFUSED

**F10D. NEW**

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? IF NECESSARY: Where 1 is not at all likely and 5 is very likely. (n=4539)

14% Not at all likely  
21% 2  
30% 3  
18% 4  
16% Very likely  
1% DON'T KNOW  
• REFUSED  
•

\*\*\*\*\*Asked of everyone – not versioned

**F10Ev1 NEW**

If you do not wash bagged, pre-cut lettuce before you eat it, how likely are you to get sick?

IF NECESSARY: Where 1 is not at all likely and 5 is very likely. (n=4539)

24% Not at all likely  
26% 2  
25% 3  
10% 4  
13% Very likely  
2% DON'T KNOW  
\* REFUSED

**SECTION B OTHER FOOD SAFETY CONCERNS**  
**This section was removed from the survey 1-24-06**

**ROTATE B1-B8**  
**IF C6=1 then GO TO H1]**  
**B1.**

Have you heard of Mad Cow Disease? (n=269)

95% YES  
5% NO  
\* DON'T KNOW  
\* REFUSED

**B2V1.** [IF B1=1]

Would you say that Mad Cow Disease is a very serious food safety problem, a serious food safety problem, somewhat of a food safety problem, or not a food safety problem at all? (n=140)

32% VERY SERIOUS FOOD SAFETY PROBLEM  
21% SERIOUS FOOD SAFETY PROBLEM  
34% SOMEWHAT OF A FOOD SAFETY PROBLEM  
9% NOT A FOOD SAFETY PROBLEM  
4% DON'T KNOW  
\* REFUSED

**B2V2.** [IF B1=1]

Would you say that Mad Cow Disease is not a food safety problem, somewhat of a food safety problem, a serious food safety problem, or a very serious food safety problem? (n=117)

4% NOT A FOOD SAFETY PROBLEM  
24% SOMEWHAT OF A FOOD SAFETY PROBLEM  
19% SERIOUS FOOD SAFETY PROBLEM  
50% VERY SERIOUS FOOD SAFETY PROBLEM  
3% DON'T KNOW  
\* REFUSED

**B3.** TR93, TR98, TR01

Have you heard about pesticide residues as problems in foods? (n=269)

78% YES  
22% NO  
\* DON'T KNOW  
\* REFUSED

**B4V1.** TR93, TR98, TR01 [IF B3=1]

Would you say that pesticide residues are a very serious food safety problem, a serious food safety problem, somewhat of a problem, or not a food safety problem at all? (n=113)

25% VERY SERIOUS FOOD SAFETY PROBLEM  
26% SERIOUS FOOD SAFETY PROBLEM  
46% SOMEWHAT OF A FOOD SAFETY PROBLEM  
3% NOT A FOOD SAFETY PROBLEM

- \* DON'T KNOW
- \* REFUSED

**B4V2** TR93, TR98, TR01

[IF B3=1]

Would you say that pesticide residues are not a food safety problem, somewhat of a food safety problem, a serious food safety problem, or a very serious food safety problem? (n=102)

- 1% NOT A FOOD SAFETY PROBLEM
- 34% SOMEWHAT OF A FOOD SAFETY PROBLEM
- 35% SERIOUS FOOD SAFETY PROBLEM
- 30% VERY SERIOUS FOOD SAFETY PROBLEM
- \* DON'T KNOW
- \* REFUSED

**B5.** TR93, TR98, TR01

Have you heard of antibiotic residues as problems in foods? (n=269)

- 36% YES
- 63% NO
- 2% DON'T KNOW
- \* REFUSED

**B6V1.** TR93, TR98, TR01 [IF B5=1]

Would you say that antibiotic residues are a very serious food safety problem, a serious food safety problem, somewhat of a food safety problem, or not a food safety problem at all? (n=68)

- 20% VERY SERIOUS FOOD SAFETY PROBLEM
- 22% SERIOUS FOOD SAFETY PROBLEM
- 47% SOMEWHAT OF A FOOD SAFETY PROBLEM
- 10% NOT A FOOD SAFETY PROBLEM
- 1% DON'T KNOW
- \* REFUSED

**B6V2.** TR93, TR98, TR01 [IF B5=1]

Would you say that antibiotic residues are not a food safety problem, somewhat of a food safety problem, a serious food safety problem, or a very serious food safety problem? (n=42)

- 4% NOT A FOOD SAFETY PROBLEM
- 44% SOMEWHAT OF A FOOD SAFETY PROBLEM
- 25% SERIOUS FOOD SAFETY PROBLEM
- 26% VERY SERIOUS FOOD SAFETY PROBLEM
- 1% DON'T KNOW
- \* REFUSED

**B7.** Have you heard about acrylamide (uh-KRILL-uh-mide)? (n=269)

3% YES  
 95% NO  
 1% DON'T KNOW  
 \* REFUSED

**B8V1. [IF B7=1]**

Would you say that acrylamide (uh-KRILL-uh-mide) in food is a very serious food safety problem, a serious food safety problem, somewhat of a problem, or not a food safety problem at all. (n=4)

18% VERY SERIOUS FOOD SAFETY PROBLEM  
 82% SERIOUS FOOD SAFETY PROBLEM  
 \* SOMEWHAT OF A FOOD SAFETY PROBLEM  
 \* NOT A FOOD SAFETY PROBLEM AT ALL  
 \* DON'T KNOW  
 \* REFUSED

**B8V2. [IF B7=1]**

Would you say that acrylamide (uh-KRILL-uh-mide) in food is not a food safety problem, somewhat of a food safety problem, a serious food safety problem, or a very serious food safety problem? (n=6)

10% NOT A FOOD SAFETY PROBLEM  
 16% SOMEWHAT OF A FOOD SAFETY PROBLEM  
 62% SERIOUS FOOD SAFETY PROBLEM  
 12% VERY SERIOUS FOOD SAFETY PROBLEM  
 \* DON'T KNOW  
 \* REFUSED

**SECTION H THERMOMETERS**

NOTE: THE REFRIGERATOR THEMOMETER QUESTIONS ARE MODIFIED FROM 2001

**H1.** How important is it to know the specific temperature in degrees that your refrigerator is set at? Would you say... (n=4529)

64% Very important  
 32% Somewhat important  
 3% Not important at all.  
 \* DON'T KNOW  
 \* REFUSED

**H2.** TR01 modified

Does your refrigerator have a built-in thermometer that tells you the temperature in degrees? (n=4539)

36% YES  
 62% NO  
 3% DON'T KNOW



\* REFUSED

**H2a.** TR01 modified[IF H2 =0, 8, or 9]

Have you put a thermometer in your refrigerator so you can tell the temperature? (n=2915)

25% YES  
74% NO  
1% DON'T KNOW  
\* REFUSED

**H3.** [IF H2=1 OR H2a=1]  
[RANGE FOR FAHRENHEIT: 0 - 100]  
[RANGE FOR CELCIUS: 0 - 20]

What temperature, in Fahrenheit, is your refrigerator generally set at? [IF RESPONDENT ANSWERS IN CELCIUS, PLEASE REPORT IN CELCIUS] (n=2394)

66% FAHRENHEIT  
2% CELCIUS  
32% DON'T KNOW  
1% REFUSED

H3F. . \_\_\_\_\_ DEGREES FARENHEIT (n=1527)

(selected frequencies reported)

13% <30 degrees  
24% 30-35 degrees  
42% 36-41 degrees  
11% 42-50 degrees  
6% 50 + degrees  
4% REFUSED

THE CATI PROGRAM]  
H3c.. \_\_\_\_\_ DEGREES CELCIUS  
8. DON'T KNOW  
9. REFUSED

H3C QH3c Refrigerator Temperature set at – Celcius (n=41)

4% 2 degrees  
19% 3 degrees  
10% 4 degrees  
29% 5 degrees  
7% 6 degrees  
6% 7 degrees  
8% 8 degrees  
4% 9 degrees  
6% 20 degrees  
6% REFUSED

**H4.** [IF H2=1 OR H2a=1]  
How often do you check the temperature of your refrigerator? Would you say...(n=2394)

14% Daily  
19% Weekly  
27% Monthly  
16% Yearly, or  
22% Never  
2% DON'T KNOW  
\* REFUSED

**H5.** How important do you think it is to use a **food** thermometer when cooking? Would you say...(n=4539)

32% Very important  
47% Somewhat important  
19% Not important at all  
2% DON'T KNOW  
\* REFUSED

**H6.** TR98  
Do you have a food thermometer, such as a meat thermometer? (n=4539)

67% YES  
32% NO  
2% DON'T KNOW  
\* REFUSED

**H7A.** TR98 [IF H6=1 THEN H7A-H]  
What type of food thermometer do you have? I'm going to read a list of types of food thermometers; please tell me whether you have each. Do you have . . .

The kind that stays in the food while it cooks, and is used for large pieces of meat. (IF NECESSARY: Has large dial) (n=3106)

65% YES  
33% NO  
2% DON'T KNOW  
\* REFUSED

**H7B.**  
A small instant read thermometer that you insert in the food to check for doneness. (n=3106)

64% YES  
34% NO  
1% DON'T KNOW  
\* REFUSED

**H7B1.** [IF H7B=1]

Is it digital or dial? (n=1979)

30% DIGITAL  
62% DIAL  
6% BOTH  
2% DON'T KNOW  
\* REFUSED

**H7C.**

A barbecue fork that indicates how done the food is? (n=3106)

30% YES  
69% NO  
1% DON'T KNOW  
\* REFUSED

**H7D. DOES THE RESPONDENT HAVE ANOTHER TYPE OF THERMOMETER. (n=3106)**

15% YES  
83% NO  
1% DON'T KNOW  
\* REFUSED

Some other type? What? [ACCEPT MULTIPLES IF YES. "NO" SHOULD BE SINGLE RESPONSE OPTION] (n=487)

3% YES -- DISPOSABLE INDICATOR THAT YOU USE ONCE AND THEN THROW AWAY, FOR EXAMPLE, T- STICKS, SENSOR STICKS  
4% YES -- A MICROWAVE PROBE  
7% YES-- THE TYPE THAT STAYS IN THE FOOD AND HAS A WIRE THAT COMES OUT OF THE OVEN , OVEN PROBE)  
28% YES --- A CANDY THERMOMETER  
46% YES --- OTHER TYPE  
5% YES – A POP-UP THERMOMETER USED IN TURKEYS AND CHICKENS  
8% DON'T KNOW  
1% REFUSED

[IF D8= 1 and H6=1, 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, TR98

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=2682)

36% Always  
18% Often

23% Sometimes, or  
 20% Never  
 3% (DO NOT READ) NEVER COOK THE FOOD  
 \* DON'T KNOW  
 \* REFUSED

**H8B.** HP, TR98

How about chicken parts, such as breasts or legs--how often do you use a thermometer when you cook chicken parts? [Would you say. . .] (n=2682)

15% Always  
 11% Often  
 22% Sometimes, or  
 51% Never  
 1% (DO NOT READ) NEVER COOK THE FOOD  
 \* DON'T KNOW  
 \* REFUSED

[IF D2[V]=1, 2 and H6=1, THEN H8C]

**H8C.** TR01

How about baked egg dishes such as quiche (KEESH), custard, or bread pudding, —how often do you use a thermometer when you cook baked egg dishes? (n=2944)

3% Always  
 3% Often  
 9% Sometimes, or  
 62% Never  
 22% (DO NOT READ) NEVER COOK THE FOOD  
 1% DON'T KNOW  
 \* REFUSED

**H8D.** TR98 [IF D8= 1 and H6=1 THEN H8D]

How about hamburgers---How often do you use a thermometer when you cook or grill hamburgers? [Would you say. . .] TURKEY BURGERS ARE INCLUDED IF RESPONDENT VOLUNTEERS; DO NOT PROBE FOR TURKEY BURGERS. DO NOT INCLUDE VEGGIE BURGERS. (n=2682)

8% Always  
 5% Often  
 13% Sometimes, or  
 70% Never  
 4% NEVER COOK THE FOOD (DO NOT READ)  
 \* DON'T KNOW  
 \* REFUSED

**SECTION J FOOD CONSUMPTION HABITS**

**J1.** HP, TR98, TR01 J1A-J1J

In the past 12 months, which of the following raw foods did you eat? [READ LIST] (n=4539)

**J1A.**

Raw clams?

6% YES  
94% NO  
\* DON'T KNOW  
\* REFUSED

**J1B.**

Raw oysters?

11% YES  
89% NO  
\* DON'T KNOW  
\* REFUSED

**J1C.**

Steak tartare (TAR-TAR), or raw hamburger meat?

6% YES  
94% NO  
\* DON'T KNOW  
\* REFUSED

**J1D.**

Sushi with raw fish, ceviche (se - VEE - chay), or other raw fish? [DO NOT INCLUDE PICKLED FISH, SMOKED FISH, OR LOX]

20% YES  
80% NO  
\* DON'T KNOW  
\* REFUSED

**J1E.**

Raw alfalfa sprouts, bean sprouts, or other sprouts?

27% YES  
72% NO  
\* DON'T KNOW  
\* REFUSED

**J1F.**

Did you eat any other raw meat, poultry or fish? (n=4539)

4% YES  
96% NO  
\* DON'T KNOW  
\* REFUSED

J1F1-J1F5 If yes, what? [ACCEPT MULTIPLES IF YES. "NO" SHOULD BE SINGLE RESPONSE]

J1F1. YES -- RAW MUSSELS  
3% VALID  
97% MISSING

J1F2. YES -- RAW SHRIMP  
18% VALID  
82% MISSING

J1F3. YES -- RAW POULTRY  
10% VALID  
89% MISSING

J1F4. YES -- RAW CRAB  
3% VALID  
97% MISSING

J1F5. YES -- OTHER  
33% VALID  
76% MISSING

J1F5. DON'T KNOW  
3% VALID  
97% MISSING

J1F6. REFUSED  
\* VALID  
100% MISSING

**J2a.**

In the past 12 months, have you eaten any Mexican-style cheeses, such as *queso fresco* or *queso blanco*? (n=4539)

22% YES  
75% NO  
3% DON'T KNOW  
\* REFUSED

**J2b. [IF J2a=1]**

Were the Mexican-style cheeses that you ate **homemade or store-bought**? (n=1082)

9% HOMEMADE  
78% STORE-BOUGHT  
5% BOTH HOMEMADE and STORE-BOUGHT  
8% DON'T KNOW  
\* REFUSED

**J2c.**

In the past 12 months, have you eaten any cheese made from unpasteurized milk? This type of cheese is often homemade or sold off-the-farm or door-to-door. (n=4539)

6% YES  
93% NO

1% DON'T KNOW  
\* REFUSED

**J3.** TR01

In the past 12 months, have you eaten eggs with runny yolks, soft scrambled eggs, or soft meringue (MER-ANG)? SOFT MERINGUE IS THE TYPE USED TO TOP SOME PIES; IN CONTRAST, HARD MERINGUE IS USED FOR SHELLS TO HOLD FRUIT, PUDDING, MERINGUE COOKIES, OR OTHER DESSERTS. DO NOT INCLUDE HARD MERINGUE. (n=4539)

42% YES  
58% NO  
\* DON'T KNOW  
\* REFUSED

**J4.** HP

TR 98, TR01

In the past 12 months, did you eat any of the following foods that contain raw eggs? [IF NECESSARY: WE MEAN FOODS THAT CONTAIN RAW EGG WHEN YOU EAT THEM, NOT FOODS MADE WITH A RAW EGG THAT IS COOKED BEFORE EATEN] [READ LIST][NOTE: YOU DO NOT NEED TO READ THE INTRODUCTION TO THE QUESTION FOR EVERY FOOD. ONLY REPEAT AS NECESSARY.] (n=4539)

J4A QJ4a In Past 12 Months Ate Food W/Raw Egg-Homemade Cookie or Cake Batter

**J4A.** [IF NECESSARY. IN THE PAST 12 MONTHS DID YOU EAT?]  
Raw, homemade cookie or cake batter?

29% YES  
71% NO  
\* DON'T KNOW  
\* REFUSED

**J4B.** [IF NECESSARY. IN THE PAST 12 MONTHS DID YOU EAT?]  
Homemade frosting with raw egg?

9% YES  
90% NO  
\* DON'T KNOW  
\* REFUSED

**J4C.** [IF NECESSARY. IN THE PAST 12 MONTHS DID YOU EAT?]  
Caesar salad dressing with raw egg?

9% YES  
89% NO  
2% DON'T KNOW

\* REFUSED

**J4D.** [IF NECESSARY. IN THE PAST 12 MONTHS DID YOU EAT?]

Chocolate mousse with raw egg?

3% YES

96% NO

1% DON'T KNOW

\* REFUSED

**J4E.** [IF NECESSARY. IN THE PAST 12 MONTHS DID YOU EAT?]

Homemade eggnog?

6% YES

94% NO

\* DON'T KNOW

\* REFUSED

**J4F.** [IF NECESSARY. IN THE PAST 12 MONTHS DID YOU EAT?]

Homemade ice cream with raw egg?

5% YES

94% NO

\* DON'T KNOW

\* REFUSED

**J4G.** [IF NECESSARY. IN THE PAST 12 MONTHS DID YOU EAT?]

Shakes with raw egg?

3% YES

97% NO

\* DON'T KNOW

\* REFUSED

**J4H.**

Any other food with raw egg?

3% YES

97% NO

\* DON' T KNOW

\* REFUSED

**J4I.** [IF J4H=1] [ACCEPT MULTIPLES]

What raw food would that be? (n=107)

J4I1. MAYONNAISE MADE WITH RAW EGG

11% VALID

89% MISSING

J4I2. RAW EGGS BY THEMSELVES

10% VALID

90% MISSING



J413. OTHER  
23% VALID  
77% MISSING

J414. DON'T KNOW  
1% VALID  
99% MISSING

J415. REFUSED  
\* VALID  
100% MISSING

**J5V1. TR01**

In the past 12 months, did you eat any hot dogs without cooking them; that is straight from the package? (n=2275)

14% YES  
86% NO  
\* DON'T KNOW  
\* REFUSED

**J6V2.**

In the past 12 months, did you serve any hot dogs without cooking them; that is straight from the package? (n=2264)

12% YES  
88% NO  
\* DON'T KNOW  
\* REFUSED

**J7.** Think about the last time you bought lunch meat or deli meat. [PAUSE] After opening the package, how long did you keep it in your refrigerator and still eat it? (THIS IS A NEW QUESTION, BASED ON ONE FROM 2001) [DO NOT READ LIST] (n=4529)

4% 1 DAY OR LESS OR ATE RIGHT AWAY [DO NOT READ]  
6% 2 DAYS [DO NOT READ]  
12% 3 DAYS [DO NOT READ]  
8% 4 DAYS [DO NOT READ]  
6% 5 DAYS [DO NOT READ]  
34% 6 - 7 DAYS/ A WEEK [DO NOT READ]  
13% 8 DAYS - 2 WEEKS [DO NOT READ]  
3% MORE THAN 2 WEEKS - 3 WEEKS [DO NOT READ]  
2% MORE THAN 3 WEEKS- 4 WEEKS [DO NOT READ]  
1% MORE THEN 4WEEKS [DO NOT READ]  
7% DO NOT BUY THE FOOD/DO NOT EAT THE FOOD [DO NOT READ]  
3% .DON'T KNOW [DO NOT READ]  
1% REFUSED [DO NOT READ]

**SECTION K FOOD ADVISORIES**

**K1V1. TR01**

Have you heard or read about any possible health problems related to eating sprouts, such as alfalfa or bean sprouts? (n=2275)

13% YES  
87% NO  
\* NOT SURE  
\* DON'T KNOW  
\* REFUSED

**K2V1. TR01**

[IF K1V1=1]

Do you recall what you heard about eating sprouts? [ACCEPT MULTIPLES] (n=354)

K2V1a. DO NOT EAT RAW/ COOK BEFORE EATING [DO NOT READ]

5% VALID  
95% MISSING

K2V1b. RAW SPROUTS MAY CONTAIN HARMFUL GERMS (ANY MENTION OF E. COLI OR SALMONELLA) [DO NOT READ]

36% VALID  
64% MISSING

K2V1c. OTHER [DO NOT READ]

36% VALID  
64% MISSING

K2V1d. RECALLS NO ADVICE [DO NOT READ]

20% VALID  
80% MISSING

K2V1e. DON'T KNOW [DO NOT READ]

4% VALID  
96% MISSING

K2V1f. REFUSED [DO NOT READ]

\* VALID  
100% MISSING

**K3V1.TR01**

Now I would like to ask you about juice sold in grocery stores. About how much of the juice sold in grocery stores, do you think is pasteurized? Would you say. . . NOTE: PASTEURIZED MEANS THE JUICE HAS BEEN HEAT TREATED TO KILL GERMS. NOTE: DO NOT INCLUDE JUICE SOLD AT JUICE BARS, RESTAURANTS, ETC. (n=2275)

25% All or almost all of it  
30% Most of it

16% About half of it  
11% Some of it, or  
7% Very little or none  
11% DON'T KNOW  
\* REFUSED

**K4V1. TR01**

Have you heard or read about any possible health problems related to drinking unpasteurized juice?  
(n=2275)

17% YES  
82% NO  
1% NOT SURE  
\* DON'T KNOW  
\* REFUSED

**K5V1. TR01 [IF K4V1=1]**

Do you recall what you heard about drinking unpasteurized juice? [ACCEPT MULTIPLES] (n=411)

**K5V1A.**

MAY CONTAIN GERMS/ COULD MAKE YOU SICK [DO NOT READ]

35% VALID  
65% MISSING

**K5V1B.**

RISK GROUPS--E.G., CHILDREN OR OTHER HIGH RISK GROUPS CAN GET SERIOUSLY ILL  
[DO NOT READ]

6% VALID  
94% MISSING

**K5V1C.**

BOIL THE JUICE BEFORE FEEDING TO CHILDREN OR HIGH RISK GROUPS [DO NOT READ]

1% VALID  
99% MISSING

**K5V1D.**

DO NOT DRINK UNPASTERUIZED JUICE [DO NOT READ]

6% VALID  
94% MISSING

**K5V1E.**

RECALLS NO INFORMATION [DO NOT READ]

17% VALID  
83% MISSING

**K5V1F.**

OTHER [DO NOT READ]

29% VALID  
71% MISSING

**K5V1G. DON'T KNOW**

9% VALID  
91% MISSING

**K5V1H. REFUSED**

\* VALID  
\* MISSING

**K6V1. In the past year have you eaten any seafood? By seafood we mean all fish and shellfish including tuna fish, fish sticks, and shrimp that you may have eaten. (n=2275)**

84% Yes (GO TO K8)  
16% No (GO TO K7)  
\* DON'T KNOW (GO TO K9V1 AND SKIP K13V1)  
\* REFUSED (GO TO K9V1 AND SKIP K13V1)

**K7V1CLAS. CLASSIFICATION OF OTHER SPECIFY RESPONSES FOR K7V1. (n=103)**

52% Vb coded in precode  
39% Vb coded in new code  
9% Coded in Other

**K7V1. Why have you not eaten seafood in the past year? (n=330)**

**K7V1a. VEGETARIAN (GO TO K9V1, SKIP K13V1) [DO NOT READ]**

4% VALID  
96% MISSING

**K7V1b. DON'T LIKE TASTE OF SEAFOOD/FISH/SHELLFISH (GO TO K9V1, SKIP K13V1) [DO NOT READ]**

65% VALID  
36% MISSING

**K7V1c. FISH OR SHELLFISH TOO EXPENSIVE (GO TO K9V1, SKIP K13V1) [DO NOT READ]**

3% VALID  
97% MISSING

**K7V1d. ALLERGIC TO ALL OR SOME SEAFOOD (GO TO K9V1, SKIP K13V1) [DO NOT READ]**

6% VALID  
94% MISSING

**K7V1e. SOMEONE IN FAMILY ALLERGIC TO ALL OR SOME SEAFOOD (GO TO K9V1, SKIP K13V1) [DO NOT READ]**

1% VALID  
99% MISSING

**K7V1f. MERCURY HEALTH CONCERN (INCLUDES METHLY MERCURY) (GO TO K9V1, SKIP K13V1) [DO NOT READ]**

1% VALID  
99% MISSING

**K7V1g. OTHER HEALTH CONCERNS WITH FISH (INCLUDES: PCBs, DIOXIN, VIBRIO'S, GERMS, PESTICIDES, SPOILAGE, CHEMICALS) (GO TO K9V1, SKIP K13V1) [DO NOT READ]**

3% VALID  
97% MISSING

K7V1H. OTHER. SPECIFY (GO TO K9V1, SKIP K13V1) [DO NOT READ]

3% VALID  
97% MISSING

K7V1I. DON'T KNOW (GO TO K9V1, SKIP K13V1) [DO NOT READ]

3% VALID  
97% MISSING

K7V1J. REFUSED (GO TO K9V1, SKIP K13V1) [DO NOT READ]

2% VALID  
98% MISSING

K7V1k. NO REASON/ DON'T BUY/COOK SEAFOOD

4% VALID  
96% MISSING

K7V1L. NOT AVAILABLE

2% VALID  
98% MISSING

K7V1M. EAT ONLY SEAFOOD IN A RESTAURANT

1% VALID  
99% MISSING

K7V1N. DO EAT FISH

3% VALID  
97% MISSING

K7V1O. OTHER DIETARY REASONS

\* VALID  
100% MISSING

K7V1P. NONE/NOTHING

2% VALID  
98% MISSING

**K8V1.** 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=1943)

20% YES  
80% NO  
\* DON'T KNOW  
\* REFUSED

**K9V1.** Have you heard about any health benefits from eating seafood? (n=2275)

71% YES (Next question)

- 29% NO (GO TO K11)
- \* DON'T KNOW (GO TO K11)
- \* REFUSED (GO TO K11)

K10V1cls. Classification of other specify responses for K10V1. (n=516)

- 23% Vb coded in precode
- 70% Vb coded in new code
- 7% Coded in Other

**K10V1.** What benefits have you heard of? ACCEPT MULTIPLES (IF NECESSARY: Anything else?)  
(n=1724)

K10V1a. GENERALLY HEALTHY[DO NOT READ]

- 26% VALID
- 74% MISSING

K10V1b. LOW FAT[DO NOT READ]

- 13% VALID
- 87% MISSING

K10V1c. BRAIN FOOD[DO NOT READ]

- 12% VALID
- 88% MISSING

K10V1d. HEART HEALTHY[DO NOT READ]

- 13% VALID
- 87% MISSING

K10V1e. OMEGA-3 FATTY ACIDS[DO NOT READ]

- 28% VALID
- 72% MISSING

K10V1f. CHOLESTEROL LOWERING [DO NOT READ]

- 16% VALID
- 84% MISSING

K10V1g. OTHER. (Have interviewer record other answers) [DO NOT READ]

- 2% VALID
- 98% MISSING

K10V1h. DON'T KNOW

- 8% VALID
- 92% MISSING

K10V1i. REFUSED

- \* VALID
- 100% MISSING

K10V1j. PROVIDES VITAMINS/MINERALS

- 5% VALID

95% MISSING

K10V1k. ANTI-OXIDANT/GOOD FOR SKIN

1% VALID

99% MISSING

K10V1l. LOW CALORIE/AIDS IN WEIGHT LOSS

2% VALID

98% MISSING

K10V1m. PROTEIN/HIGH PROTEIN

7% VALID

93% MISSING

K10V1n. OIL/FISH OIL

5% VALID

95% MISSING

K10V1o. IODINE

1% VALID

99% MISSING

K10V1p. GOOD FOR BLOOD PRESSURE

\* VALID

100% MISSING

K10V1q. PREVENTS/REDUCES RISK OF CANCER

1% VALID

99% MISSING

K10V1r. NUTRITIOUS

1% VALID

99% MISSING

K10V1s. GOOD FOR EYES

\* VALID

100% MISSING

K10V1t. LOW CARBOHYDRATE

\* VALID

100% MISSING

K10V1u. GOOD FOR BONES/ARTHRITIS

\* VALID

100% MISSING

K10V1v. CONCERN

\* VALID

100% MISSING

K10V1w. NONE  
1% VALID  
99% MISSING

K10V1x. EASY TO DIGEST  
\* VALID  
100% MISSING

K10V1y. INCREASES ENERGY  
\* VALID  
100% MISSING

**K11V1.** Have you heard about any health concerns with eating seafood? (n=2275)

62% YES  
38% NO (GO TO K13)  
\* DON'T KNOW (GO TO K13)  
\* REFUSED (GO TO K13)

**K12V1cls.** Classification of other specify for K11V1. (n=535)

5% Vb coded in precode  
83% Vb coded in new code  
12% Coded in Other

**K12V1.** What health concerns with seafood have you heard of? ACCEPT MULTIPLES (IF NECESSARY: Any thing else?) (n=1519)

K12V1a. MERCURY / METHYL MERCURY [DO NOT READ]  
49% VALID  
51% MISSING

K12V1b. PCBs [DO NOT READ]  
1% VALID  
99% MISSING

K12V1c. DIOXIN [DO NOT READ]  
\* VALID  
100% MISSING

K12V1d. VIBRIOS, [DO NOT READ]  
\* VALID  
100% MISSING

K12V1e. HEPATITIS [DO NOT READ]  
1% VALID  
99% MISSING



K12V1f. GERMS [DO NOT READ]

3% VALID

97% MISSING

K12V1g. PESTICIDES [DO NOT READ]

1% VALID

99% MISSING

K12V1h. SPOILAGE[DO NOT READ]

3% VALID

97% MISSING

K12V1i. PBDEs or FLAME RETARDANT[DO NOT READ]

\* VALID

100% MISSING

K12V1j. CHEMICALS IN FISH[DO NOT READ]

8% VALID

92% MISSING

K12V1k. ALLERGIC/ ALLERGY [DO NOT READ]

7% VALID

95% MISSING

K12V1l. OTHER [DO NOT READ]

4% VALID

96% MISSING

K12V1m. RED TIDE

1% VALID

99% MISSING

K12V1n. SALMONELLA

1% VALID

99% MISSING

K12V1o. POISONS/TOXINS

2% VALID

98% MISSING

K12V1p. POLLUTANTS/POLLUTION/CONTAMINATION

5% VALID

95% MISSING

K12V1q. HIGH CONCENTRATION OF METALS

1% VALID

99% MISSING

K12V1r. HIGH IN/BAD FOR CHOLESTEROL

2% VALID

98% MISSING

K12V1s. PARASITES

1% VALID

99% MISSING

K12V1t. BACTERIA

2% VALID

98% MISSING

K12V1u. FOOD POISONING

6% VALID

94% MISSING

K12V1v. NEEDS TO BE COOKED THOROUGHLY

3% VALID

97% MISSING

K12V1w. NOT EAT IT RAW/UNCOOKED

3% VALID

97% MISSING

K12V1x. PREGNANT WOMENT/YOUNG CHILDREN

1% VALID

99% MISSING

K12V1y. NEEDS TO BE FRESH/EATEN FRESH

\* VALID

100% MISSING

K12V1z. NEED TO KNOW THE ORIGIN

\* VALID

100% MISSING

K12V1aa. LEAD/IRON CONTENT

1% VALID

99% MISSING

K12V1bb. IODINE CONTENT

2% VALID

98% MISSING

K12V1cc. MINERAL

\* VALID

100% MISSING

K12V1dd. NOT HEALTHY

1% VALID

99% MISSING

K12V1ee. DISEASES

\* VALID

100% MISSING

K12V1ff. OILS

\* VALID

100% MISSING

K12V1gg. SHELLFISH

\* VALID

100% MISSING

K12V1hh. CONCERN OF SALMON/FARM RAISED SALMON

\* VALID

100% MISSING

K12V1ii. SCROMBOID POISIONING

\* VALID

100% MISSING

K12V1jj. LOCALLY CAUGHT FISH

\* VALID

100% MISSING

K12V1kk. FARMED RAISED FISH

\* VALID

100% MISSING

K12V1ll. DON'T KNOW

8% VALID

92% MISSING

K12v1mm. REFUSED

\* VALID

100% MISSING

INSTRUCTIONS: IF ONLY HEARD OF CONCERNS THEN ONLY ASK ABOUT CONCERNS, IF ONLY HEARD OF BENEFITS THEN ONLY ASK ABOUT BENEFITS. IF HEARD ABOUT BOTH THEN ASK ABOUT BOTH.

**K13V1.** Have you changed how much seafood you eat after hearing about the benefits and concerns of eating seafood? Do you eat... (n=1679)

12% More seafood

65% The same amount of seafood

12% Less seafood

12% More of some seafood and less of others

2% DON'T KNOW

1% REFUSED

**K14V1. IF K13=3,4**

Are there any specific types of seafood that you eat less of now? (n=410)

70% YES  
29% NO  
1% DON'T KNOW  
\* REFUSED

**K15V1cls. Classification of Other Specify Responses for K15V1 (n=70)**

10% Vb coded in precode  
65% Vb coded in new code  
26% Coded in Other

**K15V1. IF K14=1**

What types of seafood do you eat less of now? ACCEPT MULTIPLES (n=297)

**K15V1a. SALMON, INCLUDING CANNED SALMON**

12% VALID  
88% MISSING

**K15V1b. CANNED TUNA , INCLUDING TUNA FISH SALAD AND TUNA SANDWICHES MADE FROM CANNED TUNA**

23% VALID  
77% MISSING

**K15V1c. OTHER TUNA, INCLUDING TUNA STEAK**

7% VALID  
93% MISSING

**K15V1d. SWORDFISH, KING MACKEREL, SHARK, OR TILEFISH**

7% VALID  
95% MISSING

**K15V1e. SHELLFISH, INCLUDING SHRIMP, CRAB, MUSSELS, CLAMS, OYSTERS, AND LOBSTER**

47% VALID  
53% MISSING

**K15V1f. OTHER.**

7% VALID  
93% MISSING

**K15V1g. FARMED RAISED FISH**

2% VALID  
98% MISSING

**K15V1h. DON'T KNOW**

2% VALID

98% MISSING

K15V1i. REFUSED

\* VALID

100% MISSING

K15V1j. RECREATIONALLY CAUGHT FISH

1% VALID

99% MISSING

K15V1k. BASS/WALLEYE

2% VALID

98% MISSING

K15V1l. CATFISH

2% VALID

98% MISSING

K15V1m. FISH (UNSPECIFIED)

5% VALID

95% MISSING

K15V1n. RAW SEAFOOD (INCLUDE SUSHI)

2% VALID

98% MISSING

K15V1o. WHITE FISH

\* VALID

100% MISSING

K15V1p. FRESHWATER FISH

2% VALID

98% MISSING

K15 V1q. FIRED FISH

\* VALID

100% MISSING

K15V1r. COD FISH

1% VALID

99% MISSING

**K16V1. TR01**

Have you heard anything about mercury as a problem in some seafood? (n=2275)

77% YES

23% NO

\* DON'T KNOW

\* REFUSED

**K17V1.TR01**

[IF K16V1=1]

What kinds of seafood 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=1844)

**K17V1A.**

SWORD FISH [DO NOT READ]

8% VALID

92% MISSING

**K17V1B.**

SHARK [DO NOT READ]

3% VALID

97% MISSING

**K17V1C.**

KING MACKEREL [DO NOT READ]

1% VALID

98% MISSING

**K17V1D.**

TILEFISH [DO NOT READ]

\* VALID

100% MISSING

**K17V1E.**

TUNA STEAKS [DO NOT READ]

6% VALID

94% MISSING

**K17V1F.**

ANY GENERAL MENTION OF TUNA [DO NOT READ]

19% VALID

81% MISSING

**K17V1g.**

GENERAL CANNED TUNA [DO NOT READ]

4% VALID

96% MISSING

**K17V1h.**

ALBACORE OR CHUNK WHITE CANNED TUNA FISH [DO NOT READ]

1% VALID

99% MISSING

**K17V1i.**

ANY GENERAL MENTION OF SALMON BUT NOT FARM RAISED [DO NOT READ]

8% VALID

92% MISSING

**K17V1j.**

FARM RAISED SALMON [DO NOT READ]

3% VALID

97% MISSING

**K17V1k.**

ANY FARM RAISED FISH [DO NOT READ]

2% VALID

98% MISSING

**K17V1l.**

RAW FISH (CEVICHE) [DO NOT READ]

1% VALID

99% MISSING

**K17V1m.**

RAW SHELLFISH (OYSTERS, CLAMS) [DO NOT READ]

8% VALID

92% MISSING

**K17V1n.**

BIG FISH, UNSPECIFIED, FISH HIGH ON FOOD CHAIN [DO NOT READ]

3% VALID

97% MISSING

**K17V1o.**

OTHER OR UNSPECIFIED FISH [DO NOT READ]

25% VALID

75% MISSING

**K17V1p.**

RECREATIONAL CAUGHT FISH (FROM LAKES AND RIVERS) [DO NOT READ]

9% VALID

91% MISSING

**K17V1q. DON'T KNOW**

22% VALID

78% MISSING

**K17V1r. REFUSED**

\* VALID

100% MISSING

**K18V1.TR01 [IF K16=1]**

Have you heard of any particular group of people who are advised to be especially careful not to eat too

much seafood that might have mercury? If yes, which group? MARK ALL THAT APPLY. DO NOT PROBE. (n=1844)

**K18V1A.**

NOT HEARD OF A PARTICULAR GROUP [DO NOT READ]

19% VALID

81% MISSING

**K18V1B.**

PREGNANT WOMEN OR WOMEN WHO MIGHT BECOME PREGNANT [DO NOT READ]

34% VALID

66% MISSING

**K18V1C.**

NURSING MOTHERS [DO NOT READ]

1% VALID

99% MISSING

**K18V1D.**

YOUNG CHILDREN [DO NOT READ]

15% VALID

85% MISSING

**K18V1E.**

OTHER RESPONSE [DO NOT READ]

12% VALID

88% MISSING

**K18V1F.**

NO PARTICULAR GROUP IS AT HIGHER RISK [DO NOT READ]

24% VALID

76% MISSING

**K18V1G.**

DON'T KNOW

7% VALID

93% MISSING

**K18V1H.**

REFUSED

\* VALID

100% MISSING

**SECTION L METHODS OF PRODUCING AND PROCESSING FOODS**

Next, I would like to ask your opinion about some ways food can be grown or processed.



[RANDOMIZE (L1&2 TOGETHER, L3& L4 TOGETHER, L5)]

**L1V2. TR01**

As you may know, some fruits and vegetables are produced by organic methods. Organic methods use no chemical fertilizers or pesticides. (n=2264)

Using a 10-point scale, how well informed would you say you are about organically grown fruits and vegetables, if one means you are not at all informed about organically grown fruits and vegetables and ten means you are very well informed?

15%	1 (NOT AT ALL INFORMED)
8%	2
11%	3
7%	4
17%	5
6%	6
9%	7
11%	8
5%	9
11%	10 (VERY WELL INFORMED)
*	DON'T KNOW
*	REFUSED

**L2V2. TR01**

Do you buy organically grown fruits or vegetables? (n=2264)

32%	YES
46%	NO
21%	SOMETIMES
2%	DON'T KNOW
*	REFUSED

**L3V2. TR01**

Irradiation [e-RAY-dee-A-shun] is a process that uses low levels of radiation to treat foods. Using a 10-point scale, how well informed would you say you are about irradiated [e-RAY-dee-A-ted] foods?

(OPTIONAL: one means you are not at all informed about irradiated foods and ten means you are very well informed) (n=2264)

49%	1 (NOT AT ALL INFORMED)
11%	2
8%	3
5%	4
9%	5
3%	6
3%	7
3%	8
2%	9
4%	10 (VERY WELL INFORMED)
1%	DON'T KNOW
*	REFUSED

**L4V2.**

Have you seen any food labels indicating that the product was irradiated [e-RAY-dee-A-ted]? (n=2264)

10% YES  
89% NO  
1% DON'T KNOW  
\* REFUSED

**L5V2. TR01**

Some food products are being developed with the help of new scientific techniques. The general area is called "biotechnology" or "bioengineered foods" and includes tools such as genetic engineering. Sometimes these new foods are called "genetically modified" foods. Using a 10-point scale, how well informed would you say you are about biotechnology? (OPTIONAL: if one means you are not at all informed about biotechnology and ten means you are very well informed.) (n=2264)

42% 1 (NOT AT ALL INFORMED)  
13% 2  
9% 3  
6% 4  
11% 5  
4% 6  
5% 7  
5% 8  
2% 9  
4% 10 (VERY WELL INFORMED)  
1% DON'T KNOW  
\* REFUSED

[ASK L6 TO L17 SERIES IN SAME ORDER AS L1, L3, AND L4]

[IF L1= 1 - 2, SKIP L6 – L9]

**L6V2. TR01**

Do you think that organically grown fruits and vegetables are more likely or less likely to have harmful germs than those grown without using organic methods, or are they the same? (n=1763)

13% MORE LIKELY  
37% LESS LIKELY  
44% SAME  
5% DON'T KNOW  
\* REFUSED

**L7V2. TR01**

Do you think that organically grown fruits and vegetables are more likely or less likely to cause long term health problems than those grown without using organic methods, or are they the same? (n=1763)

9% MORE LIKELY

58% LESS LIKELY  
30% SAME  
4% DON'T KNOW  
\* REFUSED

**L8V2. TR01**

How about the environment? Do you think that organically grown fruits and vegetables are more safe or less safe for the environment, or are they the same as those grown without using organic methods? (n=1763)

64% MORE SAFE  
9% LESS SAFE  
23% SAME  
4% DON'T KNOW  
\* REFUSED

**L9V2. TR01**

How about nutrition? Do you think that organically grown fruits and vegetables are more nutritious or less nutritious than those grown without using organic methods, or are they the same? (n=1763)

50% MORE NUTRITIOUS  
7% LESS NUTRITIOUS  
41% SAME  
3% DON'T KNOW  
\* REFUSED

[IF L3 = 1 - 2, SKIP L10 - L13]

**L10V2.TR01**

Do you think that irradiated fresh foods are more likely or less likely to have harmful germs than non-irradiated foods, or are they the same? (n=930)

16% MORE LIKELY  
46% LESS LIKELY  
29% SAME  
8% DON'T KNOW  
\* REFUSED

**L11V2.TR01**

Do you think that irradiated fresh foods are more likely or less likely to cause long term health problems than non-irradiated foods, or are they the same? (n=930)

38% MORE LIKELY  
16% LESS LIKELY  
34% SAME  
11% DON'T KNOW  
\* REFUSED

**L12V2.TR01**

How about the environment? Do you think that irradiated fresh foods are more safe or less safe for the

environment, or are they the same as non-irradiated foods? (n=930)

14% MORE SAFE  
32% LESS SAFE  
43% SAME  
11% DON'T KNOW  
\* REFUSED

**L13V2.TR01**

How about nutrition? Do you think that irradiated fresh foods are more nutritious or less nutritious than non-irradiated foods, or are they the same? (n=930)

9% MORE NUTRITIOUS  
37% LESS NUTRITIOUS  
46% SAME  
7% DON'T KNOW  
\* REFUSED

[IF L5 = 1 OR 2, SKIP L14-L17]

**L14V2.TR01**

Do you think that bioengineered foods are more likely or less likely to have harmful germs than foods produced without bioengineering, or are they the same? (IF RESPONDENT ASKS WHETHER YOU ARE TALKING ABOUT GENETICALLY MODIFIED ORGANISMS OR FOODS, THE ANSWER IS YES. (n=1090)

17% MORE LIKELY  
21% LESS LIKELY  
53% SAME  
9% DON'T KNOW  
\* REFUSED

**L15V2.TR01**

Do you think that bioengineered foods are more likely or less likely to cause long term health problems than foods produced without bioengineering, or are they the same? (n=1090)

37% MORE LIKELY  
12% LESS LIKELY  
40% SAME  
11% DON'T KNOW  
\* REFUSED

**L16V2.TR01**

How about the environment? Do you think that bioengineered foods are more safe or less safe for the environment, or are they the same as foods produced without bioengineering? (n=1090)

17% MORE SAFE  
34% LESS SAFE  
40% SAME  
8% DON'T KNOW

\* REFUSED

**L17V2.TR01**

How about nutrition? Do you think that bioengineered foods are more nutritious or less nutritious than foods produced without bioengineering, or are they the same? (n=1090)

18% MORE NUTRITIOUS  
33% LESS NUTRITIOUS  
42% SAME  
7% DON'T KNOW  
\* REFUSED

**SECTION R PERSONAL RISK PERCEPTION**

**R5.** Now I would like you to rank four activities based on what you think is the most important for your personal health. The four activities are: wearing a seatbelt, avoiding second-hand cigarette smoke, engaging in physical activity, and washing your hands with soap before a meal.

**R5A.** Which one is **most important** to you for your health? (REPEAT LIST IF NECESSARY) (n=4539)

21% SEATBELT USE  
14% AVOIDING SECOND-HAND CIGARETTE SMOKE  
21% EXERCISE  
41% HAND WASHING BEFORE EATING  
1% DON'T KNOW  
1% REFUSED

**R5B.** Which is the **next most important**? (REPEAT LIST IF NECESSARY) (n=4470)

29% SEATBELT USE  
23% AVOIDING SECOND-HAND CIGARETTE SMOKE  
22% EXERCISE  
26% HAND WASHING BEFORE EATING  
\* DON'T KNOW  
\* REFUSED

**R5C.** Next? (n=4460)

26% SEATBELT USE  
26% AVOIDING SECOND-HAND CIGARETTE SMOKE  
28% EXERCISE  
20% HAND WASHING BEFORE EATING  
1% DON'T KNOW  
\* REFUSED

**SECTION M FOOD ALLERGIES**

This section has been modified from 2001.

Everybody gets question M2.

**M2.**

Are you allergic to latex or latex gloves? (n=4539)

5% YES

94% NO

\* SOMEONE IN HOUSEHOLD DIED FROM LATEX ALLERGY (DIED: I'm very sorry to hear that. I won't be asking questions about that. I just have a few more before the interview is over.)

1% DON'T KNOW

\* REFUSED

[IF C6=1 THEN M4 ELSE GO TO SECTION N]

Earlier you said that you had or suspected that you had a food allergy. I have some follow-up questions about that food allergy.

**M4.**

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. (ACCEPT MULTIPLES. GO THRU ENTIRE LIST)

**M4A.** Are you allergic to any milk or dairy? (n=737)

32% YES

67% NO

1% DON'T KNOW

\* REFUSED

**M4B.** What about eggs? (n=737)

9% YES

90% NO

1% DON'T KNOW

\* REFUSED

**M4C.** Any type of fish or shellfish? (n=737)

29% YES

70% NO

1% DON'T KNOW

\* REFUSED

**M4D1.** IF M4C=1

What type(s) of fish or shell fish are you allergic to? (n=205)

Are you allergic to fish that have fins such as salmon, tuna, or cod?

24% YES

72% NO  
5% DON'T KNOW  
\* REFUSED

**M4D2.** IF M4C= 1

Are you allergic to shellfish? (n=205)

83% YES  
16% NO  
1% DON'T KNOW  
\* REFUSED

**M4E.** [IF M4D=1]

What type of shellfish are you allergic to? [DON'T READ, JUST CODE RESPONSE][ACCEPT MULTIPLES] (n=175)

M4E1. CRUSTACEANS (E.G., SHRIMP, CRABS, LOBSTER, CRAYFISH, CRAWFISH, PRAWN)

68% VALID  
32% MISSING

M4E2. MOLLUSKS (E.G., CLAMS, OYSTERS, SCALLOPS, MUSSELS, SQUID, SNAILS, CONCHES, OCTOPUS)

34% VALID  
66% MISSING

M4E3. OTHER

9% VALID  
91% MISSING

M4E4. DON'T KNOW

9% VALID  
91% MISSING

M4E5. REFUSED

\* VALID  
100% MISSING

**M4G.** Are you allergic to any type of nuts or seeds? (n=737)

17% YES (GO TO M4H)  
82% NO  
1% DON'T KNOW  
\* REFUSED

**M4H.** [IF M4G=1]

What type of nuts or seeds are you allergic to? [DON'T READ LIST][ACCEPT MULTIPLES] (n=131)

M4H1. PEANUTS

42% VALID  
58% MISSING

M4H2. TREE NUTS (E.G., ALMONDS, CASHEWS, PECANS, WALNUTS, BRAZIL NUTS)(DO NOT INCLUDE COCONUT)

43% VALID

57% MISSING

M4H3. SESAME SEEDS

4% VALID

96% MISSING

M4H4. MUSTARD SEEDS

2% VALID

98% MISSING

M4H5. OTHER SEEDS (SUCH AS SUNFLOWER, POPPY OR CARAWAY SEEDS)

13% VALID

87% MISSING

M4H6. OTHER NUTS

27% VALID

73% MISSING

M4H7. DON'T KNOW

2% VALID

98% MISSING

M4H8. REFUSED

\* VALID

100% MISSING

**M4I.** Are you allergic to wheat, gluten, corn, or other grains? (IF NECESSARY, which ones are you allergic to? ACCEPT MULTIPLES ONLY IF YES. DO NOT ACCEPT BOTH YES AND NO) (n=737)

M4I1. YES---WHEAT

7% VALID

93% MISSING

M4I2. YES---GLUTEN

11% VALID

89% MISSING

M4I3. YES---CORN

4% VALID

96% MISSING

M4I4. YES—OTHER GRAINS

2% VALID

98% MISSING

M4I5. NOT ALLERGIC TO WHEAT, CORN GRAINS



80% VALID  
20% MISSING

M4I6. DON'T KNOW  
1% VALID  
99% MISSING

M4I7. REFUSED  
\* VALID  
100% MISSING

**M4J.** Are you allergic to any fruits or vegetables? (n=737)

35% YES (GO TO M4K)  
65% NO  
\* DON'T KNOW  
\* REFUSED

**M4K.** [IF M4J=1]

What type of fruits or vegetables are you allergic to? [ACCEPT MULTIPLES][DON'T READ LIST]  
(n=239)

M4K1. AVOCADO, KIWI, BANANA, CHESTNUT  
17% VALID  
83% MISSING

M4K2. STRAWBERRY, CHERRY, PEACH, PEAR, PLUM, APPLE (ROSACEAE FAMILY)  
27% VALID  
73% MISSING

M4K3. CELERY  
\* VALID  
100% MISSING

M4K4. MUSTARD  
\* VALID  
100% MISSING

M4K5. CORN  
2% VALID  
98% MISSING

M4K6. OTHER FRUIT  
41% VALID  
59% MISSING

M4K7. OTHER VEGETABLE  
31% VALID  
69% MISSING

M4K8. DON'T KNOW  
2% VALID  
985 MISSING

M4K9. REFUSED  
\* VALID  
100% MISSING

**M4L.** Are you allergic to any kind of beans or legumes? (n=737)

6% YES (GO TO M4M)  
92% NO  
2% DON'T KNOW  
\* REFUSED

**M4M.** [IF M4L=1]

What kind of beans or legumes are you allergic to? [DON'T READ LIST][ACCEPT MULTIPLES]  
(n=47)

M4M1. ALL BEANS  
17% VALID  
83% MISSING

M4M2. ALL LEGUMES  
6% VALID  
94% MISSING

M4M3. LENTILS  
7% VALID  
93% MISSING

M4M4. PEAS  
19% VALID  
81% MISSING

M4M5. SOY  
11% VALID  
89% MISSING

M4M6. PEANUTS  
3% VALID  
97% MISSING

M4M7. OTHER  
50% VALID  
50% MISSING

M4M8. DON'T KNOW  
7% VALID

93% MISSING

M4M9. REFUSED

\* VALID

100% MISSING

**M4N.** Are you allergic to any other foods? (n=737)

19% YES (GO TO M4O)

79% NO

2% DON'T KNOW

\* REFUSED

**M4O.** [IF M4N=1]

What else are you allergic to? [DON'T READ LIST][ACCEPT MULTIPLES] (n=155)

M4O1. CHOCOLATE

12% VALID

88% MISSING

M4O2. SULFITES

1% VALID

99% MISSING

M4O3. SPICES

21% VALID

79% MISSING

M4O4. FOOD COLORS

\* VALID

100% MISSING

M4O5. OTHER FOOD ADDITIVE: ( SUCH AS ASPARTAME, NITRITE, OLESTRA)

4% VALID

96% MISSING

M4O6. OTHER

61% VALID

39% MISSING

M4O7. DON'T KNOW

6% VALID

94% MISSING

M4O8. REFUSED

\* VALID

100% MISSING

**M5.**

How old were you when you first realized or suspected, or were told that you had a food allergy? (TO ANY FOOD. IF RESPONDENT SAYS DIFFERENT TIMES FOR DIFFERENT FOODS, ASK FOR THE LONGEST KNOWN/SUSPECTED FOOD ALLERGY) (n=737)

3%	LESS THAN ONE YEAR OLD
1%	ONE - 2 YEARS OLD
5%	3 TO 5 YEARS OLD
8%	6 TO 9 YEARS OLD
13%	0 TO 14 YEARS OLD
15%	15 TO 19 YEARS OLD
12%	20 - 24 YEARS OLD
7%	25 - 29 YEARS OLD
13%	30 - 39 YEARS OLD
11%	40 - 49 YEARS OLD
8%	50 YEARS OR OLDER
2%	DON'T KNOW
1%	REFUSED

**M6nclass.** Classification of Other Specify Responses. (n=116)

32%	Vb coded in precode
32%	Vb coded in new code
37%	Coded in other

**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. (IF NECESSARY: This is for all of the foods you are allergic to. INCLUDE REACTIONS FROM JUST TOUCHING THE FOOD) (INTERVIEWER: REPEAT THE QUESTION AS NEEDED.) (n=737)

**M6A.** HP

Skin reaction, such as hives, itching, or redness (IF NECESSARY: As a reaction to food)

56%	YES
44%	NO
*	DON'T KNOW
*	REFUSED

**M6B.** HP

Swelling of face (IF NECESSARY: As a reaction to food)

34%	YES
65%	NO
*	DON'T KNOW
*	REFUSED

**M6C.** HP

Itchy lips, or mouth, itchy throat (IF NECESSARY: As a reaction to food)

50%	YES
50%	NO
*	DON'T KNOW
*	REFUSED

**M6D. HP**

Throat tightness (IF NECESSARY: As a reaction to food)

35% YES

65% NO

\* DON'T KNOW

\* REFUSED

**M6E. HP**

Wheezing (IF NECESSARY: As a reaction to food)

31% YES

68% NO

1% DON'T KNOW

\* REFUSED

**M6F. HP**

Trouble breathing, shortness of breath, or coughing (IF NECESSARY: As a reaction to food)

37% YES

62% NO

1% DON'T KNOW

\* REFUSED

**M6G. HP**

Nasal congestion (IF NECESSARY: As a reaction to food)

35% YES

65% NO

\* DON'T KNOW

\* REFUSED

**M6H. HP**

Stomach pain/abdominal cramping (IF NECESSARY: As a reaction to food)

48% YES

51% NO

\* DON'T KNOW

\* REFUSED

**M6I. HP**

Vomiting or nausea (IF NECESSARY: As a reaction to food)

29% YES

70% NO

\* DON'T KNOW

\* REFUSED

**M6J. HP**

Diarrhea (IF NECESSARY: As a reaction to food)

34% YES

65% NO

\* DON'T KNOW

\* REFUSED

**M6K. HP**

Headache (IF NECESSARY: As a reaction to food)

30% YES  
70% NO  
1% DON'T KNOW  
\* REFUSED

**M6L. HP**

Dizziness (IF NECESSARY: As a reaction to food)

17% YES  
82% NO  
1% DON'T KNOW  
\* REFUSED

**M6M. HP**

Anaphylactic [ANA-fa-LAK-tic] shock (IF NECESSARY: dangerous drop in blood pressure; near death experience) (IF NECESSARY: As a reaction to food)

8% YES  
91% NO  
1% DON'T KNOW  
\* REFUSED

**M6N. HP**

Did you have any other types of reactions?

13% YES  
87% NO  
\* DON'T KNOW  
\* REFUSED

**M6O. HP**

HAS NEVER HAD A REACTION TO THE FOOD(S).

98% YES -- Has had a food reaction  
2% NO -- Never had a reaction to food.  
\* DON'T KNOW  
\* REFUSED

**M7. HP**

Has a medical doctor diagnosed your condition as a food allergy? (n=737)

51% YES  
48% NO (GO TO M9 AND SKIP M11, PRESCRIBED AN EPI KIT)  
1% DON'T KNOW (GO TO M9 AND SKIP M11, PRESCRIBED AN EPI KIT )  
\* REFUSED (GO TO M9 AND SKIP M11, PRESCRIBED AN EPI KIT )

**M8class.** Classification of Other Specify Response for M8.

**M8.** [IF M7=1 THEN M8, ELSE M9]

How did the doctor make the diagnosis of a food allergy . MARK ALL THAT APPLY. DO NOT READ RESPONSES IF RESPONDENT CAN ANSWER IMMEDIATELY WITHOUT THEM.  
(n=385)

**M8A.**

SKIN TEST/ PIN PRICK/ SKIN SCRATCH TEST

41% VALID

58% MISSING

**M8B.**

RAST OR CAP-RAST OR BLOOD TEST

13% VALID

87% MISSING

**M8C.**

FOOD ELIMINATION

7% VALID

93% MISSING

**M8D.**

ORAL FOOD CHALLENGE

5% VALID

95% MISSING

**M8E.**

ON THE BASIS OF HISTORY [FOR EXAMPLE, DESCRIPTION OF THE FOOD(S) EATEN AND REACTIONS]

21% VALID

79% MISSING

**M8F.**

OTHER

4% VALID

97% MISSING

**M8G.**

OTHER TESTS

2% VALID

98% MISSING

**M8H**

PHYSICAL EXAMINATION OF SYMPTIONS

6% VALID

94% MISSING

**M8I.**

ALLERGY SHOTS

\* VALID

100% MISSING

**M8J.**

ALLERGY TEST (UNSPECIFIED)

6% VALID  
94% MISSING

**M8K.**

DON'T KNOW

7% VALID  
93% MISSING

**M8L.**

REFUSED

1% VALID  
99% MISSING

**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? (PROBE: IF THE RESPONDENT DOES NOT REMEMBER A SPECIFIC INSTANCE OR DOES NOT REMEMBER THE DATE, ASK DO YOU THINK IT WAS MORE THAN A YEAR AGO, MORE THAN FIVE YEARS AGO. TRY TO GET RESPONSE INTO A CATEGORY. IF RESPONDENT HAS A NON-FOOD REACTION, DO NOT COUNT IT) (n=737)

23% LESS THAN ONE MONTH  
10% ONE - 2 MONTHS  
10% 3 - 6 MONTHS  
3% 7 - 11 MONTHS  
14% 1 - 2 YEARS  
10% 3 - 5 YEARS  
4% 6 - 9 YEARS  
6% 10 - 14 YEARS  
4% 15 - 19 YEARS  
8% 20 YEARS OR MORE  
3% NEVER  
6% DON'T KNOW/ NOT SURE  
1% REFUSED

**M10. [ASK M10 IF M9 = 1, 2, 3, 4, 5, OR 6]**

How many total food allergic reactions have you had in the past 5 years? (INCLUDE REACTIONS TO ALL FOODS) [RANGE: 0-20] (n=519)

4% 0  
13% 1  
9% 2  
10% 3  
6% 4  
8% 5  
4% 6  
2% 7



2% 8  
 9% 10  
 1% 12  
 2% 15  
 20% 20  
 10% DON'T KNOW  
 1% .REFUSED

**M11.**

Have you been prescribed an epinephrine [EP eh NEF rin] kit, such as EpiPen® for food allergies? (CLARIFY: THE QUESTION ASKS ABOUT HAVING A PRESCRIPTION, NOT ABOUT FILLING THE PRESCRIPTION. IF THE DOCTOR TOLD THEM TO GET EPINEPHRINE FOR FOOD ALLERGIES THEN MARK "YES") (n=385)

18% YES  
 81% NO  
 1% DON'T KNOW  
 \* REFUSED

**M12. HP**

(IF M9 = 1-6, THEN M12 AND M13 THROUGH M18, ELSE M19) Now, I just want to talk about your most recent food reaction. Was epinephrine [EP eh NEF rin] used to treat this most recent reaction? (n=519)

[IT DOES NOT HAVE TO BE THE ALLERGIC PERSON'S EPI KIT - WE ARE INTERESTED IN ANY SOURCE OF EPINEPHRINE (AMBULANCE CREW, HOSPITAL ER, ANOTHER'S KIT, ETC)]

6% YES  
 91% NO  
 3% DON'T KNOW  
 1% REFUSED

**M13. HP**

Were you treated in a hospital or doctor's office for this reaction? Which? (n=519)

9% YES, HOSPITAL  
 17% YES, DOCTOR'S OFFICE  
 \* BOTH – HOSPITAL AND DOCTOR'S OFFICE  
 74% NO  
 \* DON'T KNOW  
 \* REFUSED

**M14. HP**

[IF M13 = 4, DK, OR REF, THEN M15] Only people who answer M13=1, or 3 should get this question.

Did you have to stay overnight in the hospital? (n=43)

25% YES  
 75% NO

- \* DON'T KNOW
- \* REFUSED

**M15. All allergy people who had a reaction in the past 5 years should get this question.**

Thinking about the food that caused the reaction we were just talking about, was it (READ LIST):  
(n=519)

- 22% *A packaged food eaten without further preparation*, such as milk or cookies, (GO TO M16)
- 5% *A prepared packaged food* from a mix, such as cake mix. (GO TO M16)
- 43% A prepared food cooked or made at a home, restaurant, or other such place, or (GO TO M17)  
COUNT ALL FOOD THAT HAS TO BE PREPARED IN ANY WAY. FOR  
EXAMPLE, A PIECE OF FISH OR SHRIMP COUNTS AS A PREPARED FOOD BECAUSE  
IT HAS TO BE COOKED.
- 18% A food that did not come in a package and was not prepared, such as a piece of fruit? (GO TO  
SECTION M18),
- 9% DON'T KNOW (GO TO M18)
- 3% REFUSED (GO TO M18)

**M16. [IF M15 = 1,2]**

Was the packaged food . . . (n=154)

- 56% A simple one made from one main ingredient and only a few additions, such as milk or peanut  
butter, or
- 36% A complex one made from several ingredients, such as cookies, snack food, or ice cream?
- 7% DON'T KNOW
- 1% REFUSED

**M17. [IF M15 = 2,3]**

Was the food prepared . . . (n=228)

- 26% At home
- 8% At the home of a friend or relative, or
- 61% In a restaurant, grocery store, bakery, or other such place?
- 3% DON'T KNOW
- 3% 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=519)

- 32% Always
- 16% Sometimes
- 11% Rarely
- 23% Never
- 16% Only if the food is new to me.
- 1% DON'T KNOW
- \* REFUSED

**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=737)

24% YES  
3% MAYBE  
71% NO  
2% DON'T KNOW  
\* REFUSED

**M21.** [IF M20 = 1,2]

Did this food cause you to have an allergic reaction? (n=180)

63% YES  
24% MAYBE  
8% NO  
5% DON'T KNOW  
\* REFUSED

## **SECTION N HEALTH STATUS AND FOODBORNE ILLNESS EXPERIENCE**

Now I have a few questions about your health and experience with foodborne illness.

**N1. Modified TR01**

Have you been told by a doctor that you have either diabetes or reduced gastric acidity [a-SID-a-tee]? (n=4539)

11% YES, HAVE A CONDITION  
88% NO, DO NOT HAVE A CONDITION  
\* DON'T KNOW  
\* REFUSED

**N2. Modified TR01**

Here is list of health conditions. I don't need to know which condition you have, only whether you have been told by a doctor that you have any of them: liver disease, currently receiving chemotherapy or radiation therapy, or HIV, AIDS, or have had a organ transplant, or a weakened immune system? (n=4539)

5% YES, HAVE A CONDITION  
95% NO, DO NOT HAVE A CONDITION  
\* DON'T KNOW  
\* REFUSED

**N3. TR93, TR98, TR01**

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=4539)

8% YES  
91% NO  
\* DON'T KNOW

\* REFUSED

**N4.** [IF N3 = 0,8,9]  
TR93, TR98, TR01

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=4121)

14% YES

85% NO (Go to Section P)

\* SOMEONE IN HOUSEHOLD DIED FROM FOODBORNE ILLNESS. READ: I'm very sorry to hear that. I won't be asking questions about that. I just have a few more before the interview is over (GO TO SECTION P)

\* DON'T KNOW (GO TO SECTION P)

\* REFUSED (GO TO SECTION P)

**N5.** If N3 or N4=1  
Tr93, TR98, TR01

Was it you or someone else in your household who became sick? (n=1019)

37% RESPONDENT

50% ANOTHER HOUSEHOLD MEMBER (GO TO SECTION P)

12% BOTH (ASK SUBSEQUENT QUESTIONS ABOUT THE RESPONDENT)

1% SOMEONE IN HOUSEHOLD DIED FROM FOODBORNE ILLNESS. READ: I'm very sorry to hear that. I won't be asking questions about that. I just have a few more before the interview is over (GO TO SECTION P)

\* DON'T KNOW (GO TO SECTION P)

\* REFUSED (GO TO SECTION P)

**N7.** TR01 [IF N5 = 1,3]

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? [RECORD ANSWER] (n=500)

13% DAYS

76% HOURS

9% MINUTES

3% DON'T KNOW

\* REFUSED

[IF N7 = DAYS]

**N7day.** How many days after eating the food did you become sick? [RANGE 1-21] (n=59)

80% NEXT DAY

17% 2 DAYS

2% 3 DAYS

1% 4 DAYS

\* DON'T KNOW

\* REFUSED

[IF N7 = HOURS]

**N7hr.** How many hours after eating the food did you become sick? [RANGE 1-72] (n=377)

21% 1 HOUR  
23% 2 HOURS  
12% 3 HOURS  
10% 4 HOURS  
6% 5 HOURS  
10% 6 HOURS  
\* DON'T KNOW  
1% REFUSED

[IF N7 = MINUTES]

**N7min.** How many minutes after eating the food did you become sick? [RANGE 1- 90] (n=50)

15% <10 MINUTES  
20% 10-20 MINUTES  
63% > 20 MINUTES  
\* DON'T KNOW  
2% REFUSED

**N8.** TR93, TR01

Did anyone report this illness? (n=500)

17% YES  
83% NO  
\* DON'T KNOW  
\* REFUED

**N8A.** IF N8 = 1

Who did you report it to? (n=79)

N8a1. A DOCTOR  
29% VALID  
71% MISSING

N8a2. A HOSPITAL EMERGENCY ROOM  
20% V ALID  
80% MISSING

N8a3. THE LOCAL HEALTH DEPARTMENT  
1% VALID  
99% MISSING

N8a4. GOVERNMENT AGENCY  
1% VALID  
99% MISSING

N8a5. OTHER  
54% VALID

45% MISSING

N8a6. DON'T KNOW

\* VALID

100% MISSING

N8a7. REFUSED

\* VALID

100% MISSING

**N8bclass:** Classification of Other Specify Responses (n=2)

\* Vb coded in precode

100% Vb coded in new code

\* Vb coded in other

**N8B.** [IF N8A4 = 1]

Which government agency did you report it to? (n=2)

N8B1. FDA

\* VALID

100% MISSING

N8B2. USDA

\* VALID

100% MISSING

N8B3. OTHER

\* VALID

100% MISSING

N8B4. GOVT AGENCY

50% VALID

50% MISSING

N8B5. LOCAL HEALTH DEPARTMENT

50% VALID

50% MISSING

N8B6. DON'T KNOW

\* VALID

100% MISSING

N8B7. REFUSED

\* VALID

100% MISSING

**N9.** TR93, TR01

Did [YOU/FAMILY MEMBER] see a doctor for this illness? (n=500)

14% YES  
86% NO  
\* DON'T KNOW  
\* REFUSED

**N10.** TR93, TR01 [IF N9 = 1]

Did a doctor say it was food poisoning or foodborne illness? (n=65)

72% YES  
11% SAID IT MIGHT BE; POSSIBLY  
15% NO  
3% DON'T KNOW  
\* REFUSED

**N11.** TR93, TR01

[IF N9 = 1]

Did a doctor or other health professional take a stool sample or a blood sample? (n=65)

57% YES  
43% NO  
\* DON'T KNOW  
\* REFUSED

## **SECTION P DEMOGRAPHICS**

And finally, I have just a few more questions to ask for statistical purposes.

[PUT THIS AS AN OPTION FOR EACH QUESTION IN THIS SECTION]  
IF RESPONDENT ASKS WHY WE NEED THESE QUESTIONS OR OBJECTS TO THE QUESTIONS,  
READ THIS STATEMENT:

We ask these questions for statistical purposes only. We want to be sure that the people we survey represent all different types of groups in this country. All of this information is confidential and will not be linked to any personal identifying information.

**P1.** TR93, TR98, TR01

Not including cell phones, are there any telephone numbers in addition to {TELEPHONE NUMBER} in your home that you receive calls on? NOTE: WE ARE ONLY INTERESTED IN NUMBERS THAT MIGHT HAVE BEEN INCLUDED IN THE SURVEY. NUMBERS USED ONLY FOR HOME FAXES OR COMPUTERS SHOULD NOT BE INCLUDED. (n=4539)

14% YES  
86% NO  
\* DON'T KNOW  
1% REFUSED

**P2.** TR93, TR98, TR01

[ASK IF P1 = 1]

Is this/Are these number(s) for... (n=651)

52% Home use  
32% Business and home use, or  
15% Business use only  
1% DON'T KNOW  
\* REFUSED

**P3.** TR01

How many total people, including yourself, live in your household? (Range = 1-97) (n=4539)

IF P3 > or = 10 RECHECK THE QUESTION.

[INCLUDE: FOSTER CHILDREN, ROOMMATES OR HOUSEMATES, AND PEOPLE STAYING HERE LAST NIGHT WHO HAVE NOT PERMENANT PLACE TO STAY. THIS INCLUDES PEOPLE LIVING HERE MOST OF THE TIME WHLE WORKING, EVEN IF THEY HAVE ANOTHER PLACE TO LIVE. DO NOT INCLUDE: COLLEGE STUDENTS LIVING AWAY WHILE ATTENDING COLLEGE, PEOPLE IN A CORRECTIONAL FACILITY, NURSING HOME OR MENTAL HOSPITAL LAST NIGHT, ARMED FORCES PERSONNEL LIVING SOMEWHERE ELSE, PEPOLE WHO LIVE OR STAY AT ANOTHER PLACE MOST OF THE TIME.]

\_\_\_\_\_NUMBER

(selected frequencies)

17% 1  
31% 2  
18% 3  
18% 4  
14% 5 +

\* DON'T KNOW  
1% REFUSED

**P3b.** Confirm number for P3.

**P4.** [ASK IF P3 IS GREATER THAN 1]

How many of these people [in your household] are . . .

**P4A.** TR01

Children younger than five years old? (n=3596)

\_\_\_\_\_ (Range = 0 to 20)

(selected frequencies)

75% 0  
16% 1



7% 2  
1% 3 +

\* DON'T KNOW  
\* REFUSED

[IF P4A > or = 10 CONFIRM ANSWER]

**P4B.** TR01  
Children between 5 and 18 years? (n=3596)

\_\_\_\_\_ (Range = 0 to 20)

(selected frequencies)

58% 0  
20% 1  
15% 2  
5% 3  
2% 4 +

\* DON'T KNOW  
\* REFUSED

[IF P4B > or = 10 CONFIRM ANSWER]

**P4C.** TR01  
Adults 60 years of age or older? (n=3596)

\_\_\_\_\_ (Range = 0 to 20)

(selected frequencies)

70% 0  
12% 1  
16% 2  
1% 3 +

\* DON'T KNOW  
\* REFUSED

[IF P4C > or = 10 CONFIRM ANSWER]

IF SUM P4A TO P4C >P3, READ FOLLOWING AND GO THROUGH P3 TO P4C SEQUENCE AGAIN:

P4a1. Confirm Number for P4a.

P4b1. Confirm Number for P4b.

P4c1. Confirm Number for P4c.

The numbers are greater than the total number of people living in the household. Let's go back and refigure

those numbers.

**P5.** TR88, TR93, TR98, TR01  
What year were you born? (n=4539)

\_\_\_\_\_ (RANGE: 1900-1987)

(recoded into age ranges)

18% age 18-29

21% age 30-39

38% age 40-59

22% age 60 +

\* DON'T KNOW

4% REFUSED

**P7.** [DON'T ASK IF S4 = 1 and P3 = 1 or IF S4=1 or P6=1 and P3=1+P4A ]  
Is anyone in your household pregnant? (n=4199)

3% YES

96% NO

\* DON'T KNOW

\* REFUSED

**P8.** TR93, TR98, TR01  
Are you Hispanic or Latino? (n=4539)

13% YES

86% NO

\* DON'T KNOW

1% REFUSED

P9class. Classification of Other Specify Responses (n=4539)

84% Vb coded in precode

5% Vb coded in new code

11% Vb coded in other

**P9.** TR88, TR93, TR98, TR01  
What is your race? Please select one or more. Are you...MARK ALL THAT APPLY (n=4539)

**P9A.**

White

72% VALID

28% MISSING

**P9B.**

Black or African American,

12% VALID  
88% MISSING

**P9C.**

Asian  
3% VALID  
97% MISSING

**P9D.**

Native Hawaiian or other Pacific Islander,  
1% VALID  
99% MISSING

**P9E.**

American Indian or Alaskan Native?  
3% VALID  
97% MISSING

**P9F.**

OTHER.  
\* VALID  
100% MISSING

**P9G.**

HISPANIC or LATINO  
7% VALID  
93% MISSING

**P9H.**

MIXED RACE  
\* VALID  
100% MISSING

**P9I.**

DON'T KNOW  
1% VALID  
99% MISSING

**P9J.**

REFUSED  
3% VALID  
97% MISSING

**P10.** TR88, TR93, TR98, TR01

What is the last grade or year of school that you have completed? [READ LIST IF NECESSARY]  
(n=4539)

14% LESS THAN HIGH SCHOOL DEGREE  
32% 12 YEARS (HIGH SCHOOL GRADUATE OR GED)  
27% 13-15 YEARS (1-3 YEARS COLLEGE (SOME COLLEGE))

- 16% 16 YEARS (COLLEGE GRADUATE (BACHELOR DEGREE OR EQUIVALENT))
- 10% (>16 YEARS) POSTGRADUATE, MASTER'S DEGREE, DOCTORATE, LAW DEGREE, OTHER PROFESSIONAL DEGREE [CLARIFY: THIS INCLUDES PEOPLE WORKING ON A GRADUATE DEGREE]
- \* DON'T KNOW
- 2% REFUSED

**P11.**

What is your current working status? Are you... (n=4539)

- 51% Working full-time for pay
- 11% Working part-time for pay
- 2% Employed, but temporarily not working (IF NECESSARY: Long Term Leave)
- 4% Looking for work
- 1% Working, but not for pay
- 30% Not working at a job or business and not looking for work/ retired/ [DON'T READ: HOMEMAKER/ FULL TIME STUDENT]
- \* DON'T KNOW
- 2% REFUSED

**P13.**

Now, thinking of your households' total income from all sources before taxes, did your household earn \$20,000 or more last year? (n=4539)

- 70% YES
- 18% NO
- 3% DON'T KNOW
- 10% REFUSED

**P14. TR98, TR01**

[IF P13 = 1]

Which of the following categories best describes your total household income before taxes? Please, stop me when I read your category. (n=3209)

- 14% \$20,000 - \$30,000
- 17% \$30,000 - \$40,000
- 13% \$40,000 - \$50,000
- 11% \$50,000 - \$60,000
- 9% \$60,000 - \$70,000
- 7% \$70,000 - \$80,000
- 4% \$80,000 - \$90,000
- 4% \$90,000 - \$100,000
- 9% \$100,000 - 150,000
- 6% More than \$150,000
- 1% DON'T KNOW
- 5% REFUSED

Thank you much for your cooperation. We appreciate your taking the time to participate in our study. Those are all of the questions I have.

