# Raw Oyster Consumer Follow-Up Survey: 2004 Technical Report

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# RAW OYSTER CONSUMER FOLLOW-UP SURVEY: 2004

# TECHNICAL REPORT

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# SURVEY METHODOLGY

## I. INTRODUCTION

This report describes the survey implementation for the 2004 Raw Oyster Consumer Survey. The Raw Oyster Consumer Survey was conducted to obtain detailed data regarding the prevalence of raw oyster consumption in four states: California, Louisiana, Texas and Florida. The data collected will reveal people's Oyster-consumption knowledge, exposure to health-risks associated with oyster consumption, and opinions regarding the consumption of raw oysters. The data serve as a follow-up measure by which the impact of raw oyster consumption prevention and control activities funded by the Interstate Shellfish Sanitation Conference's (ISSC) will be assessed. The Raw Oyster Consumer Survey methodology was similar to the ISSC's baseline survey, conducted in 2002. This data provides information about the prevalence of oyster consumption, opinions regarding health effects, and oyster consumption opinions on a variety of topics.

Through a competitive application process, the ISSC contracted with ORC Macro, located in Burlington, Vermont, to perform the survey's data collection. The 2004 Raw Oyster Consumer Survey was implemented in September 2004 through January 2005. Data collection was conducted via telephone surveys with randomly selected adults in randomly selected, telephone-equipped households of California, Louisiana, Texas and Florida as outlined in the sample frame.

## II. SAMPLE DESIGN AND ELIGIBILITY REQUIREMENTS

### Population

The Interstate Shellfish Sanitation Conference is conducting a follow-up to the 2002 baseline survey of raw oyster consumers. The four states under surveillance are Southern California, Florida, Louisiana, and Texas. The 2004 survey is largely similar in design to the baseline, with some modifications for enhancing sampling efficiencies. The target number of interviews with oyster consumers in each area is 500 (2000 total.) For targeting oyster consumers, coastal areas of Southern California and Texas are oversampled at ratios of 4:1 and 2:1 respectively. Counties defined the coastal areas in the baseline survey. These relatively large geographic entities were insufficient in delineating between a high and low oyster eating population. For 2004, we are defining coastal areas via zip codes. Specifically zip codes within roughly 25 miles of the shoreline are defined as coastal areas. The remaining zip codes are defined as non-coastal areas.

The Raw Oyster Consumer Survey sample was drawn from the total non-institutionalized adult population (ages 18 and over) residing in telephone-equipped dwelling units (DUs). This population excluded adults: (1) in penal, mental, or other institutions; (2) living in other group quarters such as dormitories, barracks, convents, or boarding houses (with

ten or more unrelated residents); (3) contacted at their second DU during a stay of less than 30 days; (4) living in a DU without a telephone and (5) who do not speak English or Spanish well enough to be interviewed.

## Sample Design

In each geographic area, sample is selected with a double sampling for stratification approach. By matching sampled phone numbers to a database of listed telephone numbers, we establish the listing status for each number in sample. Then, the listed phone numbers are stratified into the high-density stratum, while those that are unlisted are stratified into the low-density stratum. We expect the hit rate is higher in the high-density stratum, thus oversampling in this stratum results in a more efficient design for obtaining completed interviews.

This stratification is done through a two-phase sampling process:

*Phase 1:* An initial list-assisted RDD sample of phone numbers is drawn from all 100 blocks of numbers with at least 1 listed phone number (1+ blocks.) A 100 block is the group of 100 phone numbers defined by the last two digits of a 10-digit phone number. Holding the first eight digits fixed, the last two digits range from 00-99, which is 100 numbers or one 100 block. To further enhance efficiency (and reduce costs) zero-blocks, or 100 blocks with 0 listed phone numbers, are excluded from the sampling frame.

The resulting phase 1 sample of phone numbers is then matched to a database of listed phone numbers to identify whether the phone number is listed or unlisted. Those listed are stratified into the high-density stratum and those unlisted into the low-density stratum.

*Phase 2:* Numbers are then subsampled from the two strata. To take advantage of the efficiency gains in the high-density stratum, these numbers are oversampled relative to the low-density stratum. To maintain sampling weights that are relatively close in magnitude, the subsampling is a relatively modest 1.5:1 ratio.

## Sampling plan

Planning the above design involves many assumptions based on a preliminary analysis of the working residential numbers in the four states. These assumptions are:

| | So Cal | Florida | Louisiana | Texas |
|---|---|---|---|---|
| Percentage of working residential numbers | 39.9% | 43.6% | 39.5% | 39.8% |
| Percentage of residential listed numbers | 53.4% | 71.5% | 75.5% | 68.5% |
| Percentage of invalid listed residential numbers | 95.0% | 95.0% | 95.0% | 95.0% |

With these assumptions we form a table of the expected distributions of phone numbers with respect to residential and listed status. Then, using this expected distribution, we can form the expected phase 2 sample allocation.

Expected phone number distribution

| | So Cal | Florida | Louisiana | Texas |
|---|---|---|---|---|
| Listed | 21.3% | 31.2% | 29.8% | 27.3% |
| Residential | 20.2% | 29.6% | 28.3% | 25.9% |
| Nonresidential | 1.1% | 1.6% | 1.5% | 1.4% |
| Unlisted | 78.7% | 68.8% | 70.2% | 72.7% |
| Residential | 19.7% | 14.0% | 11.2% | 13.9% |
| Nonresidential | 59.0% | 54.8% | 59.0% | 58.8% |

Sample allocation

| | So Cal | Florida | Louisiana | Texas |
|---|---|---|---|---|
| High-density (oversampled at a rate of 1.5:1) | 29% | 40% | 39% | 36% |
| Low-density | 71% | 60% | 61% | 64% |

High-density: Percentage of sample = (1.5×percent listed)/(1.5×percent listed+ percent unlisted)
Low-density: Percentage of sample = (percent unlisted)/(1.5×percent listed+ percent unlisted)

Assuming roughly a 9-10% incidence of raw oyster consumers, we estimate that 40,000 phone numbers is sufficient for phase 1 of the sampling. Allocating the sample as described above and subsampling the unlisted numbers at a rate of *1-in-1.5* results in the following sample accounting.

| | So Cal | Florida | Louisiana | Texas |
|---|---|---|---|---|
| Total phase 2 phone numbers in sample | 29508 | 30823 | 30643 | 30302 |
| Listed (all in sample for interview) | 8523 | 12470 | 11929 | 10905 |
| Unlisted (subsampled at *1-in-1.5)* | 20985 | 18354 | 18714 | 19397 |
| Total phase 1 unlisted numbers subsampled out | 10492 | 9177 | 9357 | 9698 |

As a final planning step, we evaluate the sample allocation for varying levels of response. For a presumed response rate, the sample in the tables above is sufficient provided the incidence of raw oyster consumers is higher than the minimum incidence in the table below. For example, assuming a 40% response rate in Texas, the sample is sufficient in meeting the 500 completed interviews as long as the incidence of raw oyster consumers is at least 8.9%.

| Response rate | So Cal | Florida | Louisiana | Texas |
|---|---|---|---|---|
| 60% | 6.25% | 5.35% | 5.82% | 5.92% |
| 55% | 6.82% | 5.84% | 6.35% | 6.46% |
| 50% | 7.50% | 6.42% | 6.99% | 7.11% |
| 45% | 8.33% | 7.13% | 7.76% | 7.90% |
| 40% | 9.37% | 8.03% | 8.73% | 8.89% |
| 35% | 10.71% | 9.17% | 9.98% | 10.16% |

## Sample management

For managing the sample, we form replicates of size 50, where each replicate maintains the sample allocation percentages. For example, in Louisiana where 39% of the sample is from the high-density stratum, each replicate has either 19 or 20 phone numbers (38% or 40%) from the high-density stratum and either 31 or 30 numbers from the low-density

stratum (62% or 60%.) The average number of phone numbers from the high- density stratum is 19.5 (39%) over all the replicates. This method preserves the 1.5:1 sampling ratio and allows for the sample size targets to be most efficiently met.

## III. QUESTIONNAIRE DESIGN

ORC Macro worked with ISSC to design the questionnaire. The questionnaire was designed to collect data regarding the oyster-consumption habits of residents in the four states, and opinions toward oyster-consumption.

The questionnaire contains four sections.

- An introduction and screening section.
- First "core" section, which contained the following types of questions:
    - Respondent's oyster-consumption patterns
    - Opinions and beliefs about consuming raw oysters
    - Media exposure to raw oyster consumption health risks
    - Risk Perception
- Second "core" section, which consisted of questions related to:
    - General Demographic Items
    - Respondent's health status
- Closing statement.

The survey questionnaire contained 19 items, 1 of which was a multi-part question. The questionnaire that was administered to respondents can be found in *Appendix A: The 2004 Raw Oyster Questionnaire*.

# IV. DATA COLLECTION PROTOCOL

A computer-assisted telephone interviewing (CATI) approach was implemented for data collection.

## Interviewing Protocol

The sample design called for a total of 2,000 completed interviews, 500 in each of the four states. In all, 2,006 interviews were collected.

The telephone survey was fielded from ORC Macro's Reno, Nevada CATI Research Center. The telephone survey followed a 15-attempt protocol, in which attempts were made until a final disposition was obtained. A final disposition was attained when:

- The respondent completed the interview;
- The telephone number was found to be invalid;
- The record reached 15 attempts distributed among three different day parts; or
- The respondent gave a final refusal.

Experienced, supervised personnel conducted the Raw Oyster interviews using Computers for Marketing Corporation's (CfMC's) CATI software package. To maximize response rates, ORC Macro concentrated calls between 5 p.m. - 9 p.m. Monday through Friday, and between 10 a.m. – 9:00 p.m. on Saturday and Sunday, relative to respondent time zones. In ORC Macro's experience, this is when most respondents are available to complete interviews. A portion of calls was conducted between 9 a.m. - 5 p.m. Monday through Friday, in order to complete interviews with respondents who were only at home during the day

The average interview length was 6 minutes across all states.

## Contacting Respondents

The following protocols were followed when contacting households and potential respondents:

***Treatment of No Answers*.** If a call to a sampled telephone number was not answered, the number was repeatedly called at different times, during daytime and evening hours (9 a.m. to 9 p.m. Monday–Friday; 10 a.m. to 9 p.m. Saturday; 1 p.m. to 9 p.m. Sundays), on different days of the week, in a pattern designed to maximize the likelihood of contact with a minimum number of calls. At least 15 contact attempts, over a minimum five-day period (typically 15 days), were made to reach a sampled number. Once any contact was made at a residence, as many calls as necessary were made to reach the selected adult (within the permitted time schedule).

***Rings Per Attempt.*** The telephone rang a minimum of five times on each attempt made on a record.

***Busy Lines.*** Busy lines were called back at least twice at 10-minute intervals. If the line was still busy after the third attempt, the number was assigned a "busy" disposition and called during the next shift.

***Respondent Selection.*** Once a household was contacted, an adult was selected for participation in the study if there was at least one adult oyster consumer (18 years or older) in the household. If the person who answered the phone was an adult oyster consumer, that person was selected for the interview. In following instances, no interview was conducted if:

1) The adult was:
   - unavailable during the survey period;
   - unable or unwilling to participate; or
   - did not speak English or Spanish well enough to be interviewed.

2) A randomly sampled number was not residential – in other words, it was:
   - a business;
   - an institution;
   - group quarters; or
   - other strictly non-residential space.

***Language of Interviewing***. Interviewing for the Raw Oyster Consumer Survey was conducted in English and Spanish.

***Converting Initial Refusals***. In order to maximize response rates, a two refusal protocol was employed. Households that initially refused were called back by a specially-trained interviewer. Upon the second refusal, the number was removed from calling.

# V. INTERVIEWER TRAINING

Interviewers underwent extensive training, specific to the Raw Oyster Consumer Survey, prior to data collection. The training, in conjunction with ORC Macro's quality control measures (discussed in the next chapter), assured consistent, high quality interviewing during data collection.

ORC Macro recognizes that the quality of data collection depends largely on the performance of the interviewing staff. Interviewers on this study were specifically recruited for health-related research. A description of interviewers' qualifications for this survey can be found in *Appendix B: Qualifications of Interviewers*. ORC Macro's training sessions for the Raw Oyster Consumer Survey focused on these important aspects of the survey research process:

***Introduction to the Project.*** The first part of ORC Macro's training introduced the interviewers to the purpose and scope of the survey. This part of the training included explanation of the significance of a high response rate, the effect that a high number of refusals has on the study, the importance of confidentiality, the purpose of this study, and any terminology specific to the project. (All ORC Macro employees sign a statement of confidentiality on the date of hire. A copy of ORC Macro's confidentiality statement can be found in *Appendix C: Confidentiality Agreement*.)

***Introduction to Sampling.*** The second section discussed the type of sampling being used in the Raw Oyster Consumer Survey, and described the interview targets. In this section, the importance of making multiple attempts and converting refusals was stressed.

***The Role of ORC Macro.*** In this training section, the role of each member of ORC Macro's staff was explained to the interviewers. Specifically, the role of the project managers, the data collections management team, the interviewers, the quality assurance assistants, and the data processing team were discussed.

***Overview of the Questionnaire.*** The next step in the training process was an overview of the questionnaire and a brief review of the most important pieces of information related to administering the survey, such as survey length, verification of telephone numbers, protocol, and question type overviews.

***Approaches to Interviewing.*** During the Raw Oyster Consumer Survey training, a brief refresher on interviewing techniques was conducted. This section focused on how to move a respondent through a survey and ask the questions appropriately. Also emphasized in this section was keeping question non-response to a minimum and avoiding respondent refusals. Probing techniques included clarification of respondent responses, open-end verification, and re-reading of response categories.

***Hands-on Practice.*** This part of the training dealt specifically with administering the Raw Oyster Consumer Survey. This included a word-for-word review of the questionnaire, done interactively with the CATI program. Each interviewer worked on a terminal and completed each screen of the CATI program. Many different scenarios, such as respondent reactions, skip pattern scenarios, and disposition protocols, gave the interviewer a better understanding of the CATI program and the questionnaire.

***Raw Oyster Consumer Survey Protocols.*** Protocols unique to the Raw Oyster Consumer Survey were emphasized in this section, such as reading verbatim, respondent selection procedures, assuring respondent confidentiality, probing and clarifying, and dealing with refusals.

# VI. QUALITY ASSURANCE PROTOCOL

ORC Macro implements stringent quality assurance protocols to ensure the highest quality data for our clients.

## Data Collection Quality Control

ORC Macro programmed the English questionnaire using the CfMC's Survent software package, which is designed specifically for programming and managing CATI studies. CfMC software, used by ORC Macro to program all of its CATI surveys, is a powerful questionnaire programming language that provides:

- Call management;
- Quota controls;
- In-bound calling capabilities;
- Multilingual interviewing capabilities;
- Data back-up;
- Monitoring; and
- Incidence tracking[1].

ORC Macro's programmers have customized this package by adding a suite of database management and statistical analysis routines to support complex sampling, telephone sample management, and reporting requirements that are not met by the off-the-shelf product. Upon programming completion, ORC Macro project managers rigorously tested the survey. Testing included:

- Developing scenarios to test all possible paths through the questionnaire;
- Checking frequencies of randomly generated data; and
- Verifying frequencies of the data after the first day of interviewing.

To track quality control indicators in the call center, ORC Macro generated reports that read the survey data file, generating summary statistics on the following:

- Interviewer efficiencies (completes/hour, both on an individual and project level);
- Demographics on completed interviews; and
- All call dispositions (both interim and final).

These reports were generated by the survey manager and immediately distributed to the project management team for daily review. This enabled the management team to quickly detect and resolve any problems.

[1] Incidence is the proportion of the survey sample that is eligible to participate in the survey.

## Interviewer Monitoring

ORC Macro monitors interviewer performance through supervisors and quality assurance (QA) assistants, as well as with formal and informal performance evaluations.

The quality control team for this survey included the survey manager, data collection manager, supervisors, and QA assistants. Monitoring was primarily conducted by ORC Macro's special quality control staff, called QA assistants. QA assistants monitored interviews by tapping into interviewers' telephone lines and using the CATI system's monitoring module to follow the course of the interview on a computer screen. Interviewers were scored on several measures of interview performance designed to reinforce proper interviewer protocol:

- Verbatim response entry;
- Dispositioning calls, leaving messages, and scheduling callbacks;
- Reading scales properly;
- Knowing the mechanics of CfMC and the Raw Oyster Consumer Survey;
- Reading and probing on open-ended questions;
- Reading multiple response lists;
- Reading the introduction and persuading respondents to complete interviews;
- Pace of reading the survey;
- Clarity and/or tone of voice while interviewing;
- Probing and/or clarifying responses that are not clear;
- Keeping control of the interview;
- Converting refusals on specific questions;
- Overall professionalism
- Being neutral while interviewing, not leading respondent; and
- Overall dialing habits.

QA staff also assured that interviewers:

- Coded incomplete interviews properly;
- Left useful messages for the next interviewer; and
- Made every attempt to complete an interview on every contact.

Monitoring forms were completed for each monitored interview; these forms rate interviewers on up to 16 areas of performance. For each of the areas, interviewers are scored on a scale of 1 to 10, where 1 is *"May require verbal/written warning. Must show immediate improvement!"* and 10 is *"Perfect! Makes every appropriate and professional effort."* An example of the interviewer monitoring form is attached as *Appendix E: Quality Assurance Form.*

Of the Raw Oyster Consumer Survey interviews monitored, the average score was 83 out of 100, with a low score of 52 and a high of 99. Interviewers do not receive a perfect score of 10 on each aspect they are rated on if:

- They have to backtrack and change an item that they coded incorrectly;
- The first time they type an open-ended response, they need to revise after rereading it to the respondent;
- When they ask a clarification question (i.e., "just to make sure I recorded this correctly, you stated you smoke 5 cigarettes a day on average"), the respondent changes their answer and the response is changed; or
- The response to a follow-up question conflicts with a prior question, and one or both responses must be changed.

It is important to note that a score on the low end of the range does not mean that the data collected by that interviewer is not valid; an interviewer could obtain a low score because he or she was not effective at refusal conversion, moved through the questions with hesitation, or did not keep an appropriate pace for the survey. ORC Macro's policy is to remove interviewers whose interviewing technique may be detrimental to data quality. No problems of this kind were encountered with interviewers during data collection for the Raw Oyster Consumer Survey.

# VII. ISSUES WITH SURVEY IMPLEMENTATION

During the analysis and report preparation, we discovered that there are some respondents from Northern California. Although this error was unintentional, there is a benefit to having these cases--the scope of the estimates can be expanded to include the entire state of California. Since all phone numbers in the state had a probability of selection, all residents (with a phone) were eligible, thus the sample is representative of all of California.

Analysis for Southern California respondents is still valid and there is only a slight loss in precision when using the 408 Southern California interviews compared to the full 500. The margin of error should be just slightly higher when using the 408 Southern California interviews - at about 5%. Using the total 500 interviews, the error would be approximately 4.5%.

# VIII. WEIGHTING METHODS

## Weighting Design

For each state, we calculate survey weights using these four steps:

1. *Base weight* - a base weight is calculated to account for the geographic and density-based oversampling.
2. *Screening adjustment* - the weighted (by base weight) sample of 18 and over adults as measured in the screening is adjusted to conform to population totals.
3. *Estimate oyster eating population* - using the weight calculated in step 2, we estimate the population of oyster eaters for 18 and over males and females as measured in the screening.

4. *Interview adjustment* - we calculate the final adjustment by ratio adjusting the weighted (by screening weight) sample of oyster eaters to the incidences population of oyster eaters as measured in step 3.

**Base weight**

In Texas and S. California, telephone numbers in the coastal stratum were oversampled relative to the noncoastal stratum at rates of 4:1 and 2:1, respectively. This geographic oversampling is adjusted for with the calculation of a base weight, which equals the total number of eligible telephone numbers divided by the number of telephone numbers selected in each area.

In addition to the geographic oversampling, listed telephone numbers were oversampled relative to unlisted telephone numbers in all four states. This oversampling is accomplished via a double sampling for stratification approach (i.e. stratification based on a sample), thus we must estimate the total number of eligible listed and unlisted telephone numbers in each geographic stratum based on sample information, $\hat{N}_{list} = N\hat{p}_{list}$ and $\hat{N}_{unlist} = N(1-\hat{p}_{list})$, where $N$ is the total number of eligible telephone numbers in the geographic stratum and $\hat{p}_{list}$ is the proportion of listed telephone numbers based on the original RDD sample of telephone numbers. These calculations are in the table below.

Estimated Listed and Unlisted Eligible phone numbers

| State | Geographic Stratum (COASTAL) | Eligible Numbers | Estimated Proportion listed | Estimated Total Listed | Estimated Total Unlisted |
|---|---|---|---|---|---|
| Texas | 1=Coastal | 3,279,100 | 32.62% | 1,069,775 | 2,209,325 |
| | 2=Noncoastal | 17,478,500 | 27.93% | 4,880,988 | 12,597,512 |
| California | 1=Coastal | 14,279,100 | 22.06% | 3,149,342 | 11,129,758 |
| | 2=Noncoastal | 17,202,500 | 24.82% | 4,270,152 | 12,932,348 |
| Florida | | 16,845,100 | 32.14% | 5,414,752 | 11,430,348 |
| Louisiana | | 4,432,500 | 30.33% | 1,344,403 | 3,088,097 |

To calculate the base weights in each stratum, we divide the estimated total number of listed telephone numbers by the number of listed telephone numbers selected and estimated number of unlisted telephone numbers by the total number of unlisted telephone numbers selected:

$$w_{1,list} = \frac{\hat{N}_{list}}{n'_{list}} \text{ and } w_{1,unlist} = \frac{\hat{N}_{unlist}}{n'_{unlist}},$$

where $n'_{list}$ = total selected telephone numbers where LISTED=1, and $n'_{unlist}$ = Total selected phone numbers where LISTED=2.

**Screening adjustment**

The number of adults in each household was asked during the household screening. Using the responses for this variable, we adjust the number of adults in the screened households to match population totals for 18+ adults as defined by Census 2000. The population totals are listed in the table in the next section.

To calculate the screening adjustment for each state, sum the weighted number of adults ($HH_{adults}$) from screening question ADULTS.

$$HH_{adults} = \sum_{screened} w_1 ADULTS$$

Next, calculate the screening adjustment by dividing the population counts by the weighted screening estimate:

$$adjs_{adults} = \frac{18 + Adults}{HH_{adults}}$$

We calculate the screening weight (w2) as $w2=w1 \times adjs_{adults}$.

**Estimate oyster eating population**

In addition to asking the number of adults in each household during the household screening, the number of male oyster eaters (MOYS) and the number of female oyster eaters (WOYS) were also asked in households with 2 or more people. In households with only one person, the respondent was asked whether they ate oysters or not (ADULTS3b). From these questions and the screening weights, we can estimate the total number oyster eaters in each state:

For households with 2 or more adults:

$$\hat{O}_{males} = \sum_{\substack{screened \\ adults>1}} w_2 MOYS \text{ and } \hat{O}_{females} = \sum_{\substack{screened \\ adults>1}} w_2 WOYS$$

For households with a single adult:

$$\hat{O}_{single} = \sum_{\substack{screened \\ adults=1}} w_2 OYS$$, where OYS=1 if the adult eats oysters and 0 otherwise.

| | 18+ Adults | Percentage oyster eaters |
|---|---|---|
| Texas | 15878347 | 16.2% |
| California | 26064483 | 16.3% |
| Florida | 13094945 | 19.5% |
| Louisiana | 3318779 | 19.8% |

**Interview Adjustment**
For each state, the interview adjustment is calculated by ratio adjusting the weighted interview sample to the estimates oyster eating population:

For households with 2 or more adults:

$$adji_{males} = \frac{\hat{O}_{males}}{\sum_{\substack{males \\ adults>1}} w_2} \text{ and } adji_{females} = \frac{\hat{O}_{females}}{\sum_{\substack{females \\ adults>1}} w_2}$$

For households with a single adult:

$$adji_{single} = \frac{\hat{O}_{single}}{\sum_{adults=1} w_2}$$

We calculate the final weight (*FINWT*) as $FINWT=w_2 \times adji_{males}$ for interviewed males in households with 2 or more adults, $FINWT=w_2 \times adji_{females}$ for interviewed females in households with 2 or more adults, and $FINWT=w_2 \times adji_{single}$ for interviews in households with a single adult.

# IX. THE FINAL DELIVERABLES

Upon project completion, ORC Macro provided ISSC with the following deliverables:

- Combined report describing methods and findings (this document)
- Codebook in text format
- Data for all completed interviews in SAS format
- File of verbatim responses in text format

# X. RESPONSE RATES

Response rates provide a measure of interviewing success. There are a number of ways to calculate survey response rates. ORC Macro applied the response rate formulas used by the CDC for the 2004 BRFSS studies. Response rate formulas and calculations can be found in *Appendix F: Response Rate Formulas.* Overall response rates are presented in Table 1 and by state in Table 2.

**Table 1. Response Rates**

| | |
|---|---|
| CASRO | 47.63% |
| Overall | 29.19% |
| Cooperation | 89.86% |

**Table 2. State Response Rates**

| | | |
|---|---|---|
| CA | CASRO | 43.37% |
| | Overall | 26.22% |
| | Cooperation | 88.42% |
| | | |
| FL | CASRO | 44.93% |
| | Overall | 26.73% |
| | Cooperation | 91.45% |
| | | |
| LA | CASRO | 52.94% |
| | Overall | 33.57% |
| | Cooperation | 90.02% |
| | | |
| TX | CASRO | 50.18% |
| | Overall | 31.47% |
| | Cooperation | 89.59% |

# SURVEY RESULTS

## I. INTRODUCTION

This report presents the results for the 2004 Raw Oyster Consumer Survey. The 2004 Raw Oyster Consumer Survey was conducted to assess the awareness, attitudes, and procedures—related to oyster consumption - within California, Florida, Louisiana and Texas, in order to monitor raw-oyster consumption patterns and risk awareness in selected US coastal regions. General findings, using the weighted data, are presented in the following section.

For more detailed results for each question, please refer to Appendix E.

## II. WHO EATS RAW OYSTERS

### Overall

The estimated percentage of households with at least one oyster eater is broken out by state in the table below. To calculate the prevalence, we only looked at households that went through the oyster-eating screening process. California, Southern California and Texas have a little less than a quarter of households with at least one raw oyster eater, and Florida and Louisiana both report an estimated 27% of households to have at lest one raw oyster eater.

| State | Households w/ > 1 Raw Oyster Consumer (%) |
|---|---|
| CA | 23.90 |
| CA-So. | 24.00 |
| FL | 27.20 |
| LA | 27.30 |
| TX | 23.00 |

### Age

The average age for an oyster eater in all four states that were surveyed was 43 years old, and the median age was 41 years old. Compared to the data collected in 2002 by ISSC, the median age rose slightly from 40 years to 41 years. Looking at the individual states, Texas raw oyster eaters tended to be almost equal to the median age of 41; California and Southern California consumers were younger (38 years old); both Florida and Louisiana consumers were older (45 years and 46 years).

*Age by State*

| State | Mean Age in Years | Median Age in Years |
|---|---|---|
| Overall | 43 | 41 |
| California | 41 | 38 |
| California-South | 40 | 37 |

| | | |
|---|---|---|
| Florida | 46 | 45 |
| Louisiana | 47 | 46 |
| Texas | 43 | 42 |

## Race

As was done in 2002, race and ethnicity was measured separately so that they could be cross-analyzed. Respondents were asked which racial background best describes them: White, Black, Asian, Pacific Islander, American Indian, Alaska Native, or Other. The next question asked respondents if they were of Spanish or Hispanic origin. By asking the questions separately, we can then look at who identified themselves as being Black-Hispanic, White-Hispanic, Non-Hispanic, and so on.

A majority (69%) of respondents self-identify as White; and less than 10% identify as being African American (7%), Asian/Pacific Islander (5%) , American Indian/Alaska Native (2%).

These numbers are only slightly different then what was reported by the ISSC in 2002. The number of White consumers was 6 percentage points less in 2004 (75% in 2002 to 69% in 2004). African-Americans reported a similar percentage, 7% in 2004 compared to 6% in 2002; and Asian consumers rose from 2% in 2002 to 5% in 2004.

*Race by State*

| Race | Overall (%) | CA (%) | CA-South (%) | FL (%) | LA (%) | TX (%) |
|---|---|---|---|---|---|---|
| White | 69.40 | 59.61 | 56.22 | 81.79 | 86.12 | 69.31 |
| Black | 6.75 | 6.28 | 5.26 | 8.47 | 10.03 | 5.03 |
| Asian/Pacific Island Consumers | 4.95 | 8.84 | 9.52 | 1.46 | 1.04 | 3.25 |
| American Indian/Alaska Native Consumers | 1.74 | 1.74 | 2.27 | 1.43 | 0.58 | 2.35 |
| Other | 16.89 | 23.54 | 26.72 | 6.86 | 2.22 | 20.08 |

## Ethnicity

The question after "Race" asks respondents "Are you of Spanish or Hispanic origin?" Nearly a quarter (24%) of respondents from the four surveyed states identified themselves as being of Spanish or Hispanic Origin. Almost one out three respondents from California (31%) and Texas (29%) and approximately one out of ten respondents from Florida (13%) and Louisiana (9%) reported that they were of Spanish or Hispanic origin.

The table below shows the percentage of respondents within each racial group who also identified with being of Spanish or Hispanic origin.

*Hispanic Ethnicity by Race*

| Race | Hispanic (%) | Non-Hispanic (%) |
|---|---|---|
| White | 9.79 | 90.22 |
| African American | 8.61 | 91.39 |
| Asian/Pacific Islander | 8.18 | 91.82 |
| American Indian/Alaska Native | 37.09 | 62.91 |
| Other | 85.94 | 14.06 |

## Sex

Overall, the majority of oyster consumers were males (56%) This percentage is down slightly from 2002, which reported male oyster consumers to make up 60% of overall consumers.
All four states reported a majority of respondents to be males: California (57%), Florida (55%), Louisiana (52%) and Texas (58%). This table shows the breakdown of gender by race.

*Gender distribution by Race*

| Race | Males (%) | Females (%) |
|---|---|---|
| OVERALL | 56.28 | 43.72 |
| White | 57.29 | 42.71 |
| African American | 52.92 | 47.08 |
| Asian/Pacific Islander | 48.34 | 51.66 |
| American Indian/Alaska Native | 64.50 | 35.50 |
| Other | 57.48 | 42.52 |
| Hispanic | 59.28 | 40.72 |

## High Risk Respondents

Out of all the respondents surveyed, 13.83% were part of one of the three "at risk" groups: liver disease, diabetes, or weakened immunity.

This table shows how many oyster consumers were considered "at risk" versus the U.S. "At risk" population.

*Oyster Consumers and U.S. Population with Health-Related Risk.*

| Risk Factor | Oyster Consumers (%) | U.S. Population (%) |
|---|---|---|
| Liver Disease | 3.72 | 10.00* |
| Diabetes | 5.89 | 18.20** |
| Weak Immunity | 5.61 | N/A |

*American Liver Association
**American Diabetes Association

3.7% of respondents had been told by a doctor that they had liver disease, which is well below the U.S. population average of 10%. The percentage decreased slightly from 4.3% in 2002 to 3.7% in 2004.

Overall, 5.9% of respondents reported that a doctor had told them they had diabetes. This percentage declined slightly from 6.6% in 2002 to 5.9% in 2004. Nationally, the prevalence of diabetes increased significantly from 6.2% in 2002 to 18.2% in 2004. Despite the national increase, the percent of oyster consumers with diabetes decreased in the four targeted states.

5.6% of respondents had been told by a doctor that they had weak immunity. In the 2004 survey, "weak immunity" was defined as transplant recipients, cancer patients undergoing treatment, and those with a disease affecting the immune system such as HIV/AIDS, lupus, and sickle cell anemia. This percentage increased slightly from 4% in 2002. A single national average does not exist because this definition consists of many different, but sometimes overlapping, groups.

# III. CONSUMPTION PATTERNS

## Recent Consumption

Overall, a majority (68%) of respondents reported that they have eaten raw oysters in the past 12 months. This percentage is down from the three-quarters of respondents reported in 2002. Males reported eating oysters in the past 12 months slightly more than females (69% vs. 67% respectively). More than half (60%) of "at-risk" consumers reported that they had consumed raw oysters within the past 12 months.

*Oyster Consumption in Past 12 Months Among Gender and Risk groups.*

| Gender/Risk | Yes Consumed (%) | No Did Not Consume (%) |
|---|---|---|
| Male | 69.29 | 30.71 |
| Female | 66.79 | 33.21 |
| At Risk | 60.49 | 39.51 |

## Frequency

Overall, respondents consumed raw oysters 6 times in the past 12 months. This frequency is the same average stated in 2002. High-risk consumers, however consumed raw oysters much less in 2004 (an average of 7 times) than compared to 2002 (an average of 10 times). The table below outlines the average consumption rate by state.

*Oyster-Eating Occasions by State and Risk Group*

| State/Risk | Average Annual Number |
|---|---|
| CA | 6.20 |
| FL | 6.35 |

| | |
|---|---|
| LA | 7.15 |
| TX | 5.66 |
| At Risk | 6.95 |

### Behavior

Respondents were asked how they're consumption of raw oysters compared to a year ago. A majority (68%) of respondents said they have not changed their consumption patterns.

*Recent Oyster-Eating Behaviors by State*

| State | Eat More (%) | Eat Less (%) | Eat Same (%) |
|---|---|---|---|
| CA | 13.86 | 21.57 | 64.56 |
| CA-So. | 14.73 | 21.28 | 63.99 |
| FL | 9.37 | 22.07 | 68.56 |
| LA | 11.85 | 17.22 | 70.93 |
| TX | 10.72 | 19.05 | 70.23 |
| **ALL** | **11.71** | **20.77** | **67.52** |

Looking to the "at risk" respondents, more than half reported that they have not changed their consumption patterns. However, a much greater percent report eating fewer oysters compared to a year ago. The percentages have remained similar compared to 2002.

*Recent Oyster-Eating Behaviors by Risk Group*

| Risk | Eat More (%) | Eat Less (%) | Eat Some (%) |
|---|---|---|---|
| Liver Disease | 10.49 | 32.64 | 56.87 |
| Diabetes | 6.18 | 29.71 | 64.10 |
| Immunity | 9.71 | 37.63 | 52.66 |
| At-Risk | 8.50 | 33.80 | 57.70 |

## IV. CONSUMER KNOWLEDGE

The consumers who were surveyed, overall, show varying percentages of awareness to the risks of consuming raw oysters if you have liver disease, diabetes, or have weak immunity. The table below outlines consumer knowledge by state and risk factor.

*Risk Group Awareness by State*

| State | Know About Liver (%) | Know About Diabetes (%) | Know About Immunity (%) |
|---|---|---|---|
| CA | 32.67 | 16.99 | 22.35 |
| CA-So. | 33.26 | 20.36 | 24.33 |

| | | | |
|---|---|---|---|
| FL | 55.20 | 24.27 | 44.31 |
| LA | 62.75 | 26.70 | 47.83 |
| TX | 43.01 | 16.01 | 28.30 |

## Liver Disease

Just under half (43%) of respondents had heard that people with liver disease may get extremely ill from eating raw oysters. This percent has fallen since 2002, when it was reported that half of the consumers who were surveyed knew that people with liver disease should not consume raw oysters.

Awareness varied among race, ethnic and age agroups. Peoapl of Hispanic ethnicity tended to have the least awareness (52%); as did the youngest age group (31%).

*Awareness around Live Disease by Race/Ethnicity/Age Groups*

| Race | Know (%) | Did Not Know (%) |
|---|---|---|
| White | 47.88 | 52.12 |
| African American | 41.08 | 58.92 |
| Asian/Pacific Islander | 40.34 | 59.66 |
| American Indian/Alaska Native | 29.56 | 70.44 |
| Other | 28.06 | 71.94 |
| Hispanic | 32.33 | 67.67 |
| **Age** | | |
| Under 30 years old | 31.31 | 68.69 |
| 30 - 44 years old | 44.35 | 55.65 |
| 45 - 64 years old | 46.95 | 53.05 |
| 65 years old or older | 48.26 | 51.74 |

The level of liver disease-related awareness varied by state. California and Southern CA had the lowest level of awareness (33% each). Louisiana respondents had the highest degree of awareness (63%); Texas and Florida were slightly lower at 43% and 55% respectively. Florida and Louisiana still remain more aware compared to Texas and California, but these percentages also have fallen when compared to 2002 data.

## Diabetes

A strong majority of respondents (81%) said they had not heard that people with diabetes could become extremely ill from eating raw oysters. This percentage is identical to that collected in 2002, suggesting that awareness has not increased, but has remained static for the past 2 years. Overall, one-fifth (19%) of consumers said they had heard that people with diabetes could become extremely ill from eating raw oysters. Diabetes-related awareness was highest in African-American (25%) respondents and lowest among Hispanics (18%).

*Diabetes-Related Awareness by Race and Age*

| Race | Know (%) | Did Not Know (%) |
|---|---|---|
| White | 18.54 | 81.46 |
| African American | 24.81 | 75.19 |
| Asian/Pacific Islander | 23.22 | 76.78 |
| American Indian/Alaska Native | 18.49 | 81.51 |
| Other | 19.75 | 80.25 |
| Hispanic | 17.93 | 82.07 |
| **Age** | | |
| Under 30 years old | 16.42 | 83.58 |
| 30 - 44 years old | 21.87 | 78.13 |
| 45 - 64 years old | 17.95 | 82.05 |
| 65 years old or older | 18.83 | 81.17 |

## Weak Immunity

Overall, just over two-thirds of respondents (69%) said they had not heard that people with weakened immune systems could become extremely ill from eating raw oysters. This is consistent with the data collected in 2002.

Immunity-related awareness varied by race and age. Asian/Pacific Islanders were the most aware (36%) of the risks to people with weak immune systems, while American Indian/Alaska Natives were least aware (15%). The 30-44 year olds were most aware (35%) and the youngest respondents were less aware (23%).

*Weak-Immunity Related Awareness by Race and Age*

| Race | Know (%) | Did Not Know (%) |
|---|---|---|
| White | 34.44 | 65.56 |
| African American | 28.56 | 71.44 |
| Asian/Pacific Islander | 35.87 | 64.13 |
| American Indian/Alaska Native | 14.92 | 85.08 |
| Other | 20.91 | 79.09 |
| Hispanic | 21.53 | 78.47 |
| **Age** | | |
| Under 30 years old | 22.79 | 77.21 |
| 30 - 44 years old | 34.86 | 65.14 |
| 45 - 64 years old | 33.28 | 66.72 |
| 65 years old or older | 31.13 | 68.87 |

## Media Type

Respondents were asked where they heard at-risk people should not eat oysters. This question allowed respondents to pick more than one response, meaning they could say

they heard that at risk people should not eat oysters at both their doctor's office and on television. "Posted Notices" was the most common technique for respondents to learn about risk factors and eating raw oysters (44%), followed closely by "Television" (39%) and the "Newspaper" (39%). In 2002, the "Newspaper" ranked highest at 54%, which is much higher than the 39% reported in 2004.

*Media Source for At-Risk Messages*

| Media | % |
|---|---|
| Posted Notice | 43.99 |
| Television | 39.44 |
| Newspaper | 38.94 |
| Magazine | 34.70 |
| Doctor | 24.49 |
| Radio | 17.35 |

The way respondents learned about risks associated with eating oysters differed by state. In Southern California, most people reported learning from "Posted Notice" (51%). This was the most common source for Florida as well (58%), followed closely by "Newspaper" (48%). Posted Notices worked well in Louisiana (47%), but were nearly matched by "Newspaper (48%) and "television" (48%). Texas, however was very different. Awareness was lower in Texas and the predominant media sources were "television" and "magazines", each reported by 42% of respondents.

*Media Source for At-Risk Messages by State*

| Media | State | | | | |
|---|---|---|---|---|---|
| | CA (%) | CA-So. (%) | FL (%) | LA (%) | TX (%) |
| Television | 32.24 | 35.34 | 44.63 | 47.59 | 42.38 |
| Radio | 16.85 | 19.76 | 16.07 | 19.14 | 19.76 |
| Newspaper | 30.80 | 38.46 | 47.80 | 48.33 | 38.40 |
| Magazine | 34.08 | 33.02 | 33.13 | 27.21 | 41.95 |
| Doctor | 26.69 | 30.21 | 22.14 | 23.03 | 25.50 |
| Posted Notice | 42.02 | 51.49 | 49.86 | 47.40 | 37.66 |

At-risk respondents reported "Television" as their primary source of information on the risk factors of eating raw oysters. "Posted notices" were less noticed by at-risk respondents. However, as expected, "Doctors" were more frequently cited as a source of information for those at-risk than those not at-risk (37% vs. 22%). The percent dropped slightly from 39% in 2002 to 37% in 2004.

*Media Source for At-Risk Messages by Risk Group*

| Media | At-Risk (%) | Not-at-Risk (%) |
|---|---|---|
| Television | 42.73 | 39.70 |
| Posted Notice | 40.83 | 44.58 |
| Newspaper | 38.81 | 39.89 |
| Doctor | 36.64 | 22.35 |
| Magazine | 36.40 | 34.79 |

| | | |
|---|---|---|
| Radio | 15.97 | 17.78 |

### Media Exposure

Of those respondents who said they heard or read that people with liver disease, diabetes, or weak immunity can get extremely ill from eating raw oysters, nearly half of respondents (40%) said they had heard or read the messages within the past six months. Slightly more respondents (43%) said that they heard or read the message more than a year ago.

Looking to "at-risk" respondents, just over one-third (36%) had heard or read that people with liver disease, diabetes or weak immunity can get extremely ill from eating raw oysters within the past six months.

*Timing of At-Risk Message*

| GROUP | 6 months or less (%) | 7 months to 1 year (%) | More than a year (%) |
|---|---|---|---|
| OVERALL | 40.45 | 16.20 | 43.35 |
| At-Risk | 35.71 | 22.55 | 41.75 |

## V. RISK REDUCTION

### No Recent Consumption

One-third of respondents (34%) reported that they had not eaten raw oysters within the past 12 months. California and Texas reported nearly identical non-consumption rates of raw oysters in the past 12 months, (34% and 35%) and approximately one-quarter of respondents from Southern California (30%), Louisiana (24%) and Florida (27%) reported to have eaten raw oysters within the past 12 months.

*Recent Consumption by State*

| State | Consumed (%) | Not Consumed (%) |
|---|---|---|
| California | 65.85 | 34.15 |
| Southern California | 70.05 | 29.95 |
| Florida | 72.60 | 27.40 |
| Louisiana | 76.26 | 23.74 |
| Texas | 65.41 | 34.59 |

### Reduced Consumption

Of those respondents who reported eating raw oysters, approximately one-fifth (21%) say they eat raw oysters less often than a year ago. More women than men reported eating fewer oysters in the past year (women 23%; men 19%). There were no discernable state-related differences in reduced oyster consumption. Older age groups seemed to report less oyster-eating than their younger counterparts.

*Recent Oyster Consumption by Age*

| Age | More often than before (%) | Less often than before (%) | About the same (%) |
|---|---|---|---|
| Under 30 years old | 18.30 | 20.39 | 61.32 |
| 30 - 44 years old | 11.83 | 17.89 | 70.28 |
| 45 - 64 years old | 9.03 | 23.92 | 67.05 |
| 65 years old or older | 5.25 | 23.09 | 71.66 |

The primary reason that people said they ate less raw oysters than the past year was "Some other reason" (29%) followed by a tie between "Personal health concerns" (23%) and "Availability" (23%). In 2002, the main reason was "personal health concerns" (48%).

## Risk Reduction Methods

When respondents were asked what steps they had taken to reduce the health risks related to eating raw oysters, "None/I have done nothing" (46%) was the highest method followed by "Other" (17%) and "Choose restaurants carefully" (10%). Looking at 2002 data, 42% of raw oyster consumers were doing "nothing" to reduce their risk of eating raw oysters. One percent reported that they "don't eat them/stopped eating raw oysters" as the method they use to reduce the health risks related to eating raw oysters.

*Method to Reduce Risk*

| Response | % |
|---|---|
| Avoid/eat fewer oysters in Summer months | 3.86 |
| Avoid/eat fewer oysters in months without an "R" | 2.75 |
| Avoid oysters from polluted waters/places with recent outbreaks | 1.76 |
| Choose retail markets carefully | 4.52 |
| Choose restaurants carefully | 9.99 |
| Check the way oysters look or smell | 7.41 |
| Buy only oysters with closed shell | 1.14 |
| Eat oysters with Tabasco sauce | 7.24 |
| Eat oysters while drinking alcoholic beverage | 6.01 |
| Don't eat them/stopped eating raw oysters | 1.03 |
| Cook them | 3.82 |
| Eat less often | 1.78 |
| Other | 16.99 |
| None/I have done nothing | 45.52 |

A listing of the "Other" responses to question 42 is included in Appendix C: Open-End Responses.

# APPENDIX A: FINAL DISPOSITION TABLE

All response rates in the appendix are calculated based on the numbers in the table below.

| Disposition Code | Disposition Description | Frequency | % |
|---|---|---|---|
| 110 | Complete | 2006 | 3.13 |
| 120 | Partial Complete | 0 | 0.00 |
| 210 | Termination within questionnaire | 44 | 0.07 |
| 220 | Refused after respondent selection | 169 | 0.26 |
| 230 | Selected respondent never reached or never started | 185 | 0.29 |
| 240 | Selected respondent away from residence during entire interviewing period | 251 | 0.39 |
| 250 | Language problem after respondent selection | 28 | 0.04 |
| 260 | Selected respondent physically or mentally unable to complete an interview during entire interviewing period | 1 | 0.00 |
| 305 | Household unavailable in time period. | 10 | 0.02 |
| 320 | Language barrier before selection | 1155 | 1.80 |
| 325 | Impairment before selection | 95 | 0.15 |
| 330 | Refused, indefinite private residence | 10770 | 16.79 |
| 332 | Postponed, indefinite private residence | 1434 | 2.23 |
| 335 | Telephone answering device, message confirms private residential status | 3096 | 4.82 |
| 340 | Telecommunication technological barrier, message confirms private residential status | 93 | 0.14 |
| 345 | Telephone answering device, not sure if private residence | 33 | 0.05 |
| 350 | Telecommunication technological barrier, not sure if private residence | 179 | 0.28 |
| 355 | Telephone number is no longer in service or has been changed | 2145 | 3.34 |
| 360 | No answer | 4175 | 6.51 |
| 365 | Busy | 372 | 0.58 |
| 410 | Household, no eligible respondent | 425 | 0.66 |
| 415 | No oyster eater | 6945 | 10.82 |
| 420 | Not a private residence | 5317 | 8.29 |
| 430 | Dedicated fax/data/modem line with no human contact, or fast busy | 2610 | 4.07 |
| 440 | Fast Busy | 346 | 0.54 |
| 450 | Non-working number/disconnected number | 22,282 | 34.73 |
| **TOTAL** | | 64,166 | 100.00 |

# APPENDIX B: RESPONSE RATE FORMULAS

## CASRO Response Rate

Completes = Completed or Partially Completed Interviews
Completes = (110 + 120 + (210 * .32))
Completes = (2006 + 0 + (44* .32) = 2,020.08

Eligible = (110 + 120 + 210 + 220 + 230 + 240 + 250 + 260 + 270 + 280)
Eligible = (2006 + 0 + 44 + 169 + 185 + 251 + 28 + 1+ 0 + 0) = 2,684

Ineligible = All respondents with known eligibility status categorized as ineligible
Ineligible = (405 + 410 + 415 + 420 + 430 + 440 + 450)
Ineligible = (0 + 425 + 5317 + 2610 + 346 + 22,282 + 6945) = 37,925

Unknown = All respondents with unknown eligibility status
Unknown = (305 + 310 + 315 + 320 + 325 + 330 + 332 + 335 + 340 + 345 + 350 + 355 + 360 + 365 + 370)
Unknown = (10 + 0 + 0 +1155 + 95 + 10770 + 1434 + 3096 + 93 + 33 + 179 + 2145 + 4175 + 372 + 0) = 23,557

UNKNDNOM = Unknown respondents added to the denominator
UNKNDNOM = (Eligible/(Eligible + Ineligible)) * Unknown
UNKNDNOM = (2684/(2684 + 37925)) * 23557 = 1556.97

CASRO = (Completes / (Eligible + UNKNDNOM))

**CASRO = (2,020.08 / 4240.97 = 47.6325%**

## Overall Response Rate

Completes = Completed or Partially Completed Interviews
Completes = (110 + 120 + (210 * .32))
Completes = (2006 + 0 + (44 * .32) = 2,020.08

Break-offs and Refusals = ((210 * .68) + 220)
Break-offs and Refusals = ((44 * .32) + 169) = 198.92

Known Households = (230 + 240 + 250 + 260 + 335)
Known Households = (185 + 251 + 28 + 1 + 0 + 0 + 10 + 0 + 3096) = 3,571

Ineligible Households = 410 + 415
Ineligible Households = (425 + 6945) = 7370

All Likely Households = (345 + 350 + 320 + 325 + 330 + 332 + 340 + 370 + 355)
All Likely Households = (33 + 179 + 1155 + 95 + 10770 + 1434 + 93 + 0 + 2145) = 15,904

Households = (Known Households + Ineligible Households + Completes +Break-offs and Refusals + (.90 * All Likely Households))
Households = (3571 + 7370 + 2020.08 + 198.92 + (.90 * 15,904) = 27,473.60

Eligible Households = (.2519 * Households)
Eligible Households = (.2519 * 27,473.60) = 6920.60

Overall Response Rate = (Completes / Eligible Households)

**Overall Response Rate= (2,020.08 /6,920.60) = 29.19%**

## Cooperation Rate

Completes = Completed or Partially Completed Interviews
Completes = (110 + 120 + (210 * .32))
Completes = (2006 + 0 + (44 * .32) = 2,020.08

Break-offs and Refusals = ((210 * .68) + 220)
Break-offs and Refusals = ((44 * .68) + 169) = 198.92

Cooperation Rate = (Completes / (Completes + Break-offs and Refusals + 250 + 260))

**Cooperation Rate = (2,020.08 / (2,020.08 + 198.92 + 28 + 1) = 89.86%**

# APPENDIX C: OPEN-END RESPONSES

| | | | |
|---|---|---|---|
| F0023062 | q020why | | Just don't go out and eat much anymore. |
| F0027140 | q020why | | All the above. |
| L0034176 | q020why | | I just eat them when I get the mood for them. |
| T0017485 | q020why | | Because I like them. |
| F0031220 | q020why | | I just haven't |
| L0000967 | q020why | | I prefer cooked. |
| C0017773 | q020why | 03 | I stopped eating oysters because I was pregnant. |
| F0031096 | q020why | | You get them when you want to. |
| F0017977 | q020why | 03 | Food poisoning. |
| T0037230 | q020why | | I just buy them when I get the urge. |
| C0026873 | q020why | | Loves it. |
| F0007349 | q020why | | Because they're smaller. |
| L0031194 | q020why | | I just eat less and less. |
| F0013491 | q020why | 03 | Have a small child. |
| F0033455 | q020why | | No reason really. |
| T0022190 | q020why | 01 | Taste. |
| L0031536 | q020why | 03 | Change of life style. |
| C0024276 | q020why | | Not eat out a lot. |
| L0009723 | q020why | 04 | Because I need transportation to get to them. |
| L0036795 | q020why | | I think the oyster quality has gone down. |
| F0031086 | q020why | | Just hasn’t had them. |
| F0032242 | q020why | | Just have not felt like eating them. |
| F0019277 | q020why | 03 | Pollution. |
| F0015207 | q020why | | Haven't had it. |
| F0020334 | q020why | | Not order them, just have something else. |
| L0024996 | q020why | 04 | The opportunity wasn't there. |
| F0026042 | q020why | 03 | Personal reasons. |
| F0036970 | q020why | 02 | Financial problems. |
| T0013577 | q020why | | Don't go out anymore. |
| L0037850 | q020why | 03 | Wife is allergic. |
| C0030765 | q020why | | Not at many restaurants anymore. |
| C0019624 | q020why | 03 | Allergic to sea foods, do not eat often. |
| F0004545 | q020why | | |
| F0029510 | q020why | 04 | Not traveling to places that have good raw oysters. |
| F0029381 | q020why | | Out of habit. |
| T0012237 | q020why | 04 | Place. |
| F0021067 | q020why | 01 | Don't taste as good, afraid of getting sick. |
| L0036093 | q020why | 03 | Not too safe. |
| F0025821 | q020why | | Hurricane Ivan. |
| C0022123 | q020why | | Less eating out. |
| T0033227 | q020why | | No. |
| C0006490 | q020why | | All of the above. |
| C0033293 | q020why | 01 | Don't like. |
| L0028393 | q020why | 04 | The weather. |
| L0037405 | q020why | | No reason. |
| C0013551 | q020why | 04 | If its there, he will eat it. |
| F0035414 | q020why | 04 | Doesn't have availability. |
| F0032454 | q020why | 03 | Not safe to eat. |

| | | | |
|---|---|---|---|
| C0016474 | q020why | | Because I was in San Francisco and had a raw oyster. |
| T0008024 | q020why | | Don't go out as often. |
| F0024508 | q020why | 03 | Health reasons. |
| F0031248 | q020why | | Roasted. |
| C0035811 | q020why | 01 | Not as good as in Australia. |
| C0030671 | q020why | | Dinner. |
| F0008170 | q020why | 04 | Only supposed to eat at certain times. |
| C0000168 | q020why | | Cranins. |
| L0025495 | q020why | | Just hadn't. |
| F0009572 | q020why | 04 | Don't get a chance to eat them. |
| T0026990 | q020why | | Don’t go to restaurant lately. |
| L0029957 | q020why | 03 | Pregnant. |
| T0036613 | q020why | | I just don’t go to restaurants. |
| T0025023 | q020why | 04 | Opportunity. |
| C0005180 | q020why | 03 | I had a bad experience. |
| T0002641 | q020why | | I just don’t want to eat it. |
| L0019087 | q020why | | Not priority. |
| F0017055 | q020why | 03 | Health scare in the news. |
| C0000740 | q020why | | He has to have a taste for them. |
| L0030668 | q020why | 04 | I eat at a certain time of the year. |
| T0005333 | q020why | 03 | Because of all the things you hear about them. |
| F0009537 | q020why | | Haven't been out to eat oysters. |
| T0029903 | q020why | | Because we don't go to restaurants. |
| L0012033 | q020why | | Because we don't go out as much. |
| T0012051 | q020why | | Because I don't go out to dinner as much. |
| C0031096 | q020why | | To busy on his job. |
| C0005985 | q020why | | Being lazy. |
| F0018567 | q020why | | Bad advertisement. |
| C0013055 | q020why | 03 | I just had a baby. |
| F0018626 | q020why | | I don't frequently go out to eat Oysters. |
| F0001454 | q020why | | Vacation got cut short. |
| T0008733 | q020why | | I don't know how to prepare for it. |
| L0003539 | q020why | 03 | Media notification. |
| L0014754 | q020why | | We just do it very often. |
| F0027131 | q020why | 04 | When opportunity comes up. |
| C0026462 | q020why | 03 | Pregnancy. |
| C0006917 | q020why | 04 | Availability. |
| C0024431 | q020why | | I don’t go on vacation that often. |
| F0005388 | q408wher | 04 | Medical journal. |
| F0012232 | q408wher | 05 | I work in a pharmacy. |
| L0035353 | q408wher | | The internet. |
| C0017330 | q408wher | 04 | Professional Magazine. |
| L0026693 | q408wher | 03 | Newspaper articles. |
| L0009365 | q408wher | | Micro Biologist. |
| T0010864 | q408wher | | The internet. |
| T0003574 | q408wher | | A college textbook. |
| C0037333 | q408wher | 07 | Friends and (a/e)n. |
| F0006946 | q408wher | 07 | Work. |

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|---|---|---|---|
| F0026515 | q408wher | 05 | FDA, International Shellfish Commission. |
| C0010634 | q408wher | 05 | My sister and my doctor. |
| F0033228 | q408wher | | In undergraduate school biology class. |
| F0015782 | q408wher | | Someone in contact with oyster research. |
| L0017936 | q408wher | 07 | Word of mouth. |
| T0000872 | q408wher | | Internet. |
| L0027117 | q408wher | 04 | In a magazine. |
| T0027811 | q408wher | | Internet. |
| T0014722 | q408wher | | Internet. |
| C0023385 | q408wher | | Internet. |
| C0002413 | q408wher | | His own info. |
| C0029777 | q408wher | | Psychic. |
| L0014533 | q408wher | | Textbook. |
| L0014743 | q408wher | 06 | On menus. |
| T0009902 | q408wher | | My job. |
| C0024064 | q408wher | | Internet. |
| L0005105 | q408wher | | In the internet. |
| L0008193 | q408wher | | Internet. |
| T0037563 | q408wher | 04 | Local magazine, Golf Coast Conn. |
| C0007116 | q408wher | 06 | Owner of restaurant. |
| F0016512 | q408wher | 04 | Magazines. |
| T0019601 | q408wher | 06 | From the oyster capital of world Apalachicola. |
| L0028259 | q408wher | | At work. |
| T0005517 | q408wher | | Internet. |
| L0034684 | q408wher | | Don't ask me what. |
| C0012091 | q408wher | | San Francisco. |
| C0009445 | q408wher | | The internet. |
| L0035751 | q408wher | | In school. |
| F0005864 | q408wher | 07 | Other people. |
| C0027747 | q408wher | | Internet. |
| T0007199 | q408wher | 99 | N/a. |
| L0023147 | q408wher | 07 | Had a friend who had passed. |
| L0017277 | q408wher | 07 | Friends. |
| L0033028 | q408wher | | School. |
| T0012444 | q408wher | | Texas parks and wild life booklets. |
| L0001289 | q408wher | | The Department of Agriculture. |
| C0009488 | q408wher | | The American Red Cross. |
| C0013732 | q408wher | | Internet. |
| F0027759 | q408wher | | On the internet. |
| F0030350 | q408wher | 06 | On a container of oysters. |
| F0024679 | q408wher | | From people passing. |
| L0011018 | q408wher | | College. |
| T0032855 | q408wher | | Law suit. |
| F0025273 | q408wher | | On line. |
| L0004221 | q408wher | 07 | Fishermen. |
| L0009108 | q408wher | 06 | Labeling. |
| C0035281 | q408wher | 07 | Friend ate raw oyster and died. |
| C0026077 | q408wher | 06 | Store. |

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|---|---|---|---|
| C0018977 | q408wher | 05 | He is scientist, microbiologist reads all of this. |
| C0000409 | q408wher | | School. |
| L0033283 | q408wher | 07 | From customers in my restaurant. |
| L0013670 | q408wher | 03 | In a article. |
| T0030560 | q408wher | | Internet. |
| T0013762 | q408wher | | Internet. |
| T0000982 | q408wher | 06 | In oyster stores. |
| F0000368 | q408wher | | Fg. |
| L0002655 | q408wher | 01 | Television. |
| C0030190 | q408wher | | School. |
| F0004943 | q408wher | | People who ride the bus; she overhears. |
| F0029578 | q408wher | | Internet. |
| T0012563 | q408wher | 01 | On TV and friends. |
| T0037558 | q408wher | | From me. |
| F0017854 | q408wher | | Internet. |
| F0007876 | q408wher | | From traveling around the world. |
| C0030361 | q408wher | 07 | Friends from Europe. |
| F0037728 | q408wher | | In a warning. |
| F0033994 | q408wher | | From the internet. |
| C0015279 | q408wher | 04 | Journals and textbooks. |
| C0010665 | q408wher | | Books; alternative healing. |
| C0033049 | q408wher | | Statements. |
| T0024948 | q408wher | | Internet. |
| C0029658 | q408wher | | Internet. |
| L0023449 | q408wher | 06 | The jar label. |
| F0018929 | q408wher | | Web, md.com. |
| T0016143 | q408wher | 06 | Right off the oyster boat. |
| L0028242 | q408wher | | Culinary school. |
| C0003265 | q408wher | | Internet. |
| L0037918 | q408wher | 04 | A magazine. |
| T0031033 | q408wher | | Posters. |
| F0021871 | q408wher | | Internet. |
| L0011099 | q408wher | 06 | Labels on cans or containers. |
| F0027365 | q408wher | 06 | A package of oysters that they come in. |
| C0016300 | q408wher | | I don't remember. |
| L0036256 | q408wher | 07 | A family member. |
| F0018175 | q408wher | 07 | Family. |
| L0023286 | q408wher | 04 | It is posted in Fishing Landing. |
| L0031622 | q408wher | 05 | Discuss with other physicians. |
| C0006843 | q408wher | 07 | Friend. |
| T0002830 | q408wher | | Internet. |
| C0035476 | q408wher | 06 | Fish market. |
| T0015454 | q408wher | | I can’t, but I think from a nutrients book. |
| L0034795 | q408wher | | Online. |
| F0027270 | q408wher | 01 | Television, Fisherman. |
| L0005819 | q408wher | | Me. |
| F0011996 | q408wher | 04 | Food magazines. |
| C0033314 | q408wher | 05 | Health class for his job. |

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|---|---|---|---|
| C0034234 | q408wher | 07 | Friends. |
| L0001411 | q408wher | 07 | People. |
| T0013418 | q408wher | | Don't know. |
| F0018486 | q408wher | | Internet. |
| L0021164 | q408wher | 07 | Friends. |
| F0020986 | q408wher | 07 | Some guy I met and his father died from eating raw oysters. |
| L0022703 | q408wher | 07 | Word of mouth. |
| C0016153 | q408wher | | Internet. |
| C0010890 | q408wher | 06 | Label on the can. |
| C0005557 | q408wher | 06 | Fish market. |
| T0019551 | q408wher | 05 | Health department. |
| C0021287 | q408wher | | From some brochures. |
| T0018813 | q408wher | | Internet. |
| F0013220 | q408wher | | Doesn't remember. |
| T0031439 | q408wher | | Companieros en el day care. |
| T0023802 | q408wher | | Internet. |
| T0007819 | q408wher | | Talks. |
| F0007292 | q408wher | 07 | Amigo. |
| T0028128 | q408wher | | Internet. |
| F0028629 | q042what | | Keep them on ice, if smell won't eat them. |
| F0008970 | q042what | | ++ |
| F0012388 | q042what | 06 | Look and smell them. |
| F0004269 | q042what | 14 | Nothing. |
| L0035892 | q042what | 09 | Drink cold beer. |
| F0027140 | q042what | 06 | Smell them. |
| T0031100 | q042what | 14 | Nothing. |
| F0027457 | q042what | 14 | Nothing. |
| T0015396 | q042what | 05 | Order from a restaurant. |
| T0005634 | q042what | 14 | Nothing. |
| L0013280 | q042what | 14 | Nothing. |
| T0017485 | q042what | 14 | I don't do anything. |
| C0011908 | q042what | 14 | Nothing. |
| L0037735 | q042what | 09 | Eat with beer. |
| L0011700 | q042what | 14 | Nothing. |
| C0030889 | q042what | 14 | Nothing. |
| C0014080 | q042what | 09 | Eat with vodka. |
| T0012886 | q042what | 14 | Nothing. |
| F0001929 | q042what | 14 | Nothing. |
| F0014213 | q042what | 10 | Haven't ate them. |
| L0037417 | q042what | 10 | Try not to eat raw oyster. |
| F0014722 | q042what | | Eats them where they come from. |
| F0031220 | q042what | 14 | Nothing. |
| C0027019 | q042what | | I put lemon and salt on them. |
| L0000967 | q042what | 02 | The months that end r. |
| C0036161 | q042what | 06 | Make sure they are fresh. |
| C0022013 | q042what | 11 | I cook them with water. |
| L0025440 | q042what | 08 | Louisiana hot sauce. |
| F0031096 | q042what | 14 | You don't do nothing. |

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|---|---|---|---|
| T0022668 | q042what | | I eat them all at once without saving them. |
| T0001759 | q042what | 01 | I eat during certain months of the year. |
| T0005924 | q042what | 14 | Nothing. |
| T0037230 | q042what | | I don't get sick eating them. |
| C0025837 | q042what | 04 | I go to a place that specializes in them. |
| C0026873 | q042what | | Put lime. |
| L0031194 | q042what | | Dip them in ketchup and horseradish. |
| L0036732 | q042what | 08 | Keep them chilled with cocktail sauce. |
| L0035163 | q042what | | I am not eating anything that’s given to me. |
| F0025849 | q042what | 04 | Make sure they come from a good place. |
| F0031526 | q042what | | Clean them. |
| C0005978 | q042what | | Lemon juice. |
| C0037041 | q042what | | Make sure they're cold and fresh. |
| C0023964 | q042what | | Make sure they are clean. |
| C0029777 | q042what | | |
| C0015280 | q042what | 11 | Cook them with lemon. |
| L0002599 | q042what | 10 | I don't eat very many. |
| T0005202 | q042what | | You check on the freshness. |
| L0035614 | q042what | | Firsh. |
| L0002652 | q042what | | They're usually pasteurized. |
| L0031561 | q042what | 14 | I don't do anything. |
| L0018371 | q042what | 14 | I do nothing. |
| F0019719 | q042what | 14 | Nothing. |
| L0024712 | q042what | | I don't drink. |
| F0013886 | q042what | | Clean them. |
| F0030019 | q042what | | 13 |
| F0031086 | q042what | 11 | Heats them up a little bit so they're not cold. |
| F0018147 | q042what | | Refer to the state. |
| L0033858 | q042what | 14 | Nothing. |
| F0025161 | q042what | 14 | Nothing. |
| L0033804 | q042what | 14 | Nothing. |
| F0002652 | q042what | | Make sure they are fresh. |
| C0022039 | q042what | 14 | Nothing. |
| L0030677 | q042what | | Put in refrigerator at once. |
| L0029707 | q042what | 04 | Buy from fisherman and eat right away. |
| L0033801 | q042what | 04 | Make sure they are fresh and from good source. |
| L0034604 | q042what | | Puts lemon juice on them. |
| F0035775 | q042what | | Put in refrigerator at once. |
| F0026413 | q042what | | Eat cracker with them. |
| T0007897 | q042what | 04 | Only where they are farmed. |
| L0001595 | q042what | 04 | Check the source. |
| F0011290 | q042what | | Eat them with crackers. |
| F0005093 | q042what | | She takes a turn. |
| T0019664 | q042what | 14 | Nothing. |
| L0028099 | q042what | | Lime. |
| L0027287 | q042what | 08 | Hot sauce and ketchup. |
| L0001122 | q042what | 14 | Nothing. |
| L0026214 | q042what | | Never got sick off them. |

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|---|---|---|---|
| C0025564 | q042what | 14 | Does not do anything. |
| C0001648 | q042what | | Lean them. |
| C0004869 | q042what | 14 | Nothing. |
| C0012091 | q042what | | Wash them. |
| F0027529 | q042what | 11 | Steam them. |
| L0028661 | q042what | 01 | Depending on the temperature through the year. |
| C0035163 | q042what | | Eat ginger. |
| F0005864 | q042what | 10 | Not eat them. |
| T0006048 | q042what | 01 | Eat them during the oyster season. |
| T0000724 | q042what | 14 | Nothing. |
| L0008751 | q042what | | Check the expiration date. |
| L0009656 | q042what | 14 | Nothing. |
| T0022348 | q042what | | Eats with crackers. |
| L0032261 | q042what | | Eat them from a plate. |
| L0000172 | q042what | 01 | Don't eat raw in mid June, July and August. |
| F0004193 | q042what | 14 | Nothing. |
| F0024180 | q042what | 06 | Smell and look at them before eating. |
| L0036396 | q042what | 14 | Nothing. |
| C0026004 | q042what | 14 | Nothing. |
| C0023247 | q042what | | Squeeze lemon on them. |
| C0013873 | q042what | 14 | Nothing. |
| C0010504 | q042what | 14 | Never worries. |
| L0017280 | q042what | | Pasteurized oysters I look for. |
| L0006110 | q042what | 14 | Nothing. |
| L0027247 | q042what | 14 | Nothing. |
| L0026938 | q042what | | Make sure they are fresh. |
| L0008689 | q042what | | 14 |
| C0015537 | q042what | 09 | She takes shots before 058r. |
| C0024374 | q042what | 14 | Nothing. |
| F0021345 | q042what | | I wash them off first. |
| F0034335 | q042what | 14 | I don't do anything. |
| F0036956 | q042what | | I am very careful cause it is harmful. |
| L0001311 | q042what | 14 | Nothing. |
| F0022909 | q042what | | Dr. |
| F0021067 | q042what | | Spit out the ones that don’t taste right. |
| F0028526 | q042what | 14 | Nothing. |
| F0033827 | q042what | | I use lots of lemon. |
| F0018550 | q042what | 10 | Won't eat them. |
| L0036093 | q042what | 10 | Stop. |
| L0005071 | q042what | | 12 |
| T0005043 | q042what | 14 | Nothing. |
| F0007961 | q042what | 08 | Lots of hot sauce. |
| F0025605 | q042what | 01 | I choose carefully according to weather, I eat in. |
| F0026500 | q042what | | If there is no juice in it or no water. |
| T0025858 | q042what | 01 | Eat during correct months. |
| C0035281 | q042what | 14 | Don't do anything. |
| C0000409 | q042what | | Make sure they are fresh. |
| C0026189 | q042what | | High quality. |

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| L0024606 | q042what | | I go see my dr. |
| L0013670 | q042what | | Just eat them often. |
| T0033227 | q042what | 03 | Check where oysters were harvested. |
| F0030761 | q042what | 14 | I do nothing. |
| L0003408 | q042what | 02 | Only eat months with r in name. |
| L0029727 | q042what | | Make sure they're fresh. |
| L0013945 | q042what | 14 | Not a thing. |
| L0031726 | q042what | | I am not concerned about that. |
| T0005439 | q042what | 12 | Try not to eat as many oysters. |
| F0026980 | q042what | | Good color and stay on ice. |
| C0006490 | q042what | 12 | I don't eat too many of them. |
| F0026688 | q042what | 01 | Wait until winter time to eat them. |
| F0018287 | q042what | | Check shell if dirty. |
| F0029578 | q042what | | Eat a lot of limes or lemons with them. |
| C0015983 | q042what | 05 | I order them from good restaurants. |
| T0010905 | q042what | | I just have to trust the vendor. |
| F0017854 | q042what | | Clean them very well. |
| C0014506 | q042what | | Seasons depends in Mexico, in lemon salt. |
| C0013551 | q042what | 14 | Does nothing. |
| F0021422 | q042what | 08 | Tabasco sauce with lemon juice. |
| T0008653 | q042what | 01 | Only eat in winter times. |
| C0031165 | q042what | | Upset stomach smoke a joint. |
| C0016474 | q042what | | I never knew I'd get sick from eating them. |
| T0029075 | q042what | | All of the above. |
| F0009680 | q042what | | When I have a cold I won't eat them. |
| L0025395 | q042what | | I don't eat them out of a can. |
| C0030745 | q042what | | Ranch dressing and salt. |
| T0006114 | q042what | | Take care where I buy them from. |
| C0029074 | q042what | | |
| C0015387 | q042what | | Never get sick. |
| C0014794 | q042what | 14 | Nothing. |
| C0017370 | q042what | | Lime juice. |
| F0025982 | q042what | | Eating farm oysters. |
| C0019545 | q042what | | Eat them fresh and use ice to eat. |
| F0014494 | q042what | | Call doctor or go to hospital. |
| F0008170 | q042what | 14 | None. |
| C0014008 | q042what | | Check if they look fresh. |
| C0025643 | q042what | 09 | Have with alcohol. |
| F0009572 | q042what | 09 | Drink alcohol. |
| T0026990 | q042what | 14 | Nothing. |
| T0037512 | q042what | | Rinse them off and put lemon sauce on it. |
| L0037760 | q042what | 14 | Nothing (ne)n. |
| T0015219 | q042what | | Make sure I know where they come from. |
| F0021641 | q042what | | I have them with crackers. |
| C0008253 | q042what | | Wash them real good. |
| C0005180 | q042what | | Alka-Seltzer acid. |
| T0022879 | q042what | 03 | Eat them from the gulf coast. |
| T0011511 | q042what | 09 | I drink beer. |

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| T0013333 | q042what | | I make sure they're cold. |
| F0002740 | q042what | | Don't know. |
| T0006874 | q042what | | Dump in horse radish. |
| F0009029 | q042what | | Drink a lot of water. |
| C0033343 | q042what | | Drain out the oil. |
| F0026939 | q042what | | Careful where I eat them. |
| L0036256 | q042what | 02 | Avoid during months without r. |
| F0001476 | q042what | | They're fresh and cold. |
| C0017973 | q042what | | Eat crackers with them. |
| T0031677 | q042what | | Put lemon and salt. |
| F0003173 | q042what | | He uses lemon. |
| C0013602 | q042what | 14 | Nothing. |
| T0025888 | q042what | | Wash them off. |
| L0006161 | q042what | | Just eat them. |
| L0010035 | q042what | | Just eat them. |
| L0026341 | q042what | | Swallow fast. |
| T0000181 | q042what | | I just don't over-eat them. |
| T0030688 | q042what | | Know where they are coming from. |
| T0003401 | q042what | | 13 |
| T0000809 | q042what | 05 | Eat at a restaurant. |
| L0034106 | q042what | | Wash them good. |
| L0019260 | q042what | | I tasted it and spit it out. |
| C0005548 | q042what | | Wash my hands. |
| T0015454 | q042what | | Eat fresh ones. |
| L0015665 | q042what | 14 | Nothing. |
| F0031683 | q042what | 01 | Don't eat them during hot months. |
| C0028714 | q042what | | I don’t, I didn’t know they got you sick. |
| T0022831 | q042what | | Wash my hands. |
| T0001494 | q042what | 14 | Nothing. |
| C0005450 | q042what | 14 | Nothing. |
| F0037426 | q042what | | Seek medical help. |
| T0000312 | q042what | 14 | Nothing. |
| L0021354 | q042what | | Doesn't drink while eating them. |
| T0006925 | q042what | | 14 |
| L0031685 | q042what | 08 | High levels of Tabasco. |
| T0003735 | q042what | | I eat them with crackers. |
| F0024712 | q042what | 14 | Nothing. |
| F0011996 | q042what | 01 | Get them during the season. |
| L0031751 | q042what | 02 | Eat in months that end with a r. |
| T0011653 | q042what | | Eat them with lemon. |
| L0002312 | q042what | | I use ketchup, pepper and horse radish. |
| T0008733 | q042what | | Make sure they are clean and fresh. |
| T0023984 | q042what | | Check the can for defects and reputable company. |
| L0024763 | q042what | 12 | Only eat one or two. |
| T0034061 | q042what | 04 | I ask if they were farm raised. |
| F0025655 | q042what | | I wash them and rinse them. |
| L0012110 | q042what | | Wash them. |
| L0006693 | q042what | 12 | I just don eat that many of them at 3 doz I cut. |

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| L0027664 | q042what | | I just look at the dates, when they were caught. |
| F0000197 | q042what | | Make sure they're clean. |
| L0020023 | q042what | 12 | Eat less. |
| L0037009 | q042what | 08 | Hot sauce. |
| F0019449 | q042what | 10 | Doesn't eat them anymore. |
| F0012844 | q042what | | I don't drink beer. |
| F0007650 | q042what | | The way they taste. |
| T0014617 | q042what | | Based on the taste. |
| T0018097 | q042what | | Lemon. |
| T0015781 | q042what | | Good rep. |
| C0014777 | q042what | | Have them with an oyster shooter. |
| T0024924 | q042what | | Drink a lot of water. |
| T0006074 | q042what | 06 | Smell and look good. |
| L0001879 | q042what | | Limit the amount. |
| C0028098 | q042what | | Not drink a lot. |
| C0002449 | q042what | | Wash them. |
| T0028968 | q042what | | I don't get sick. |
| T0002847 | q042what | 14 | Nothing. |
| C0033841 | q042what | | Put lemon juice. |
| C0022796 | q042what | | I eat them with lemon and salt. |
| C0028270 | q042what | | We have medicine for that. |
| T0018813 | q042what | | A spoon of vinegar. |
| F0021625 | q042what | | With lemon. |
| C0021326 | q042what | 14 | Nothing. |
| F0026174 | q042what | 14 | Nothing. |
| F0028796 | q042what | 08 | I put lots of lemon and hot sauce. |
| F0013814 | q042what | 14 | Nothing. |
| T0006510 | q042what | 14 | Nothing. |
| T0008059 | q042what | 14 | Nothing. |
| C0000330 | q042what | 14 | Nothing. |
| T0028056 | q042what | | With salt and lemon. |
| T0023600 | q042what | 09 | He eats it with a beer. |
| C0028067 | q042what | | Pick them out so they're not black. |
| F0034213 | q060what | | Hispanic. |
| F0036440 | q060what | | Gay. |
| F0017641 | q060what | | Hispanic. |
| T0031100 | q060what | | Hispanic. |
| T0012066 | q060what | | Hispanic. |
| C0032887 | q060what | | Mexican. |
| C0015565 | q060what | | Spanish. |
| T0028681 | q060what | | Hispano. |
| C0011908 | q060what | | Hispanic. |
| T0027529 | q060what | | Hispanic. |
| F0006946 | q060what | | Russian. |
| T0030687 | q060what | | Hispanic. |
| T0032030 | q060what | | Mexican. |
| F0036063 | q060what | | Puerto Rican. |
| C0011317 | q060what | | Hispanic. |

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| L0013265 | q060what | | Dominican. |
| F0031096 | q060what | 99 | Refused. |
| T0000497 | q060what | | Hispanic. |
| T0016830 | q060what | 2 | African American. |
| T0009729 | q060what | | Hispanic. |
| C0034955 | q060what | 1 | Mexican/White. |
| T0011922 | q060what | | Hispanic. |
| L0026691 | q060what | 2 | Black/Spanish. |
| T0013617 | q060what | | Hispanic. |
| C0005978 | q060what | | Europe. |
| T0004167 | q060what | | Hispanic. |
| C0016406 | q060what | | French/Mexican. |
| T0012872 | q060what | 99 | Refused. |
| T0006731 | q060what | | Hispanic. |
| C0015280 | q060what | | Hispanic. |
| T0003020 | q060what | | Hispanic. |
| T0028834 | q060what | | Hispanic. |
| T0001716 | q060what | | Hispanic. |
| C0032647 | q060what | | Hispanic. |
| C0007837 | q060what | 99 | Can't tell me. |
| C0034239 | q060what | | Hispanic. |
| T0034591 | q060what | | Hispanic. |
| F0025161 | q060what | 5 | Chinese and Indian. |
| F0002652 | q060what | | Hispanic. |
| F0021942 | q060what | | Hispanic. |
| T0022030 | q060what | | Hispanic. |
| C0036090 | q060what | | Hispanic. |
| T0018870 | q060what | | Hispanic. |
| C0026473 | q060what | | Mexican. |
| C0006841 | q060what | | Hispanic(sp)Hispanic. |
| L0016984 | q060what | | Creole. |
| T0010793 | q060what | | Puerto Rico ,de la Cruz. |
| T0017176 | q060what | | Hispanic. |
| T0000724 | q060what | | Hispanic. |
| C0034362 | q060what | | Hispanic. |
| F0012303 | q060what | | Hispanic. |
| F0036970 | q060what | | Latin. |
| T0013577 | q060what | | Hispanic. |
| L0036951 | q060what | | American. |
| L0030410 | q060what | 1 | White Hispanic. |
| C0014932 | q060what | | Hispanic. |
| T0015764 | q060what | | Mexicano. |
| C0006736 | q060what | | Mexican. |
| F0027585 | q060what | 1 | White/American Indian. |
| C0029381 | q060what | | Mexicana. |
| C0030646 | q060what | | Spanish. |
| C0011530 | q060what | | Mexican. |
| C0015537 | q060what | | Mexican. |

| | | | |
|---|---|---|---|
| C0019624 | q060what | | Hispanic/Latino. |
| F0034335 | q060what | 2 | Black/White/Asian. |
| F0036956 | q060what | | Spanish. |
| F0008525 | q060what | | Jamaican. |
| F0024679 | q060what | 2 | Black/Indian. |
| F0017537 | q060what | 1 | Hispanic/Black/White. |
| F0033827 | q060what | | Hispanic. |
| L0035227 | q060what | | Hispanic. |
| T0001411 | q060what | 1 | White/Hispanic/Native American. |
| C0005612 | q060what | | Hispanic. |
| C0027085 | q060what | 4 | Asian Pacific Islander. |
| C0000391 | q060what | | Mexican. |
| C0023127 | q060what | 1 | White/American Indian/Black. |
| C0012706 | q060what | | Hispanic. |
| C0030117 | q060what | | Hispanic. |
| L0024606 | q060what | | Hispanic. |
| F0029130 | q060what | | Mexicana. |
| F0023984 | q060what | | Caribbean. |
| T0034316 | q060what | | Hispanic. |
| T0030699 | q060what | | Hispanic. |
| T0018855 | q060what | | Hispanic. |
| L0025794 | q060what | 4 | American Asian. |
| T0010755 | q060what | | Hispanic. |
| T0008206 | q060what | | Puerto Rican. |
| T0000982 | q060what | | Mexican. |
| T0010674 | q060what | | Hispanic. |
| C0013660 | q060what | | Hispanic. |
| C0000323 | q060what | | Hispanic. |
| C0012297 | q060what | | Guatemalan. |
| C0033293 | q060what | 99 | Won't clarify. |
| T0011555 | q060what | | Hispanic. |
| C0027080 | q060what | | Hispanic. |
| C0013765 | q060what | | Middle easterner. |
| F0004943 | q060what | | Haba. |
| T0012563 | q060what | | Hispanic. |
| C0005841 | q060what | | Latino. |
| C0010456 | q060what | | Mexican. |
| T0010905 | q060what | | Mexican/American. |
| C0005879 | q060what | | Latino. |
| C0026520 | q060what | | Mexican. |
| T0019464 | q060what | | Hispanic/Mexican. |
| F0018551 | q060what | | Mexican. |
| T0034814 | q060what | | Hispanic. |
| T0009805 | q060what | | Mexican. |
| C0037514 | q060what | | Mexican. |
| C0014506 | q060what | | American. |
| F0035414 | q060what | | Latin. |
| T0031011 | q060what | | Hispanic. |

| | | | |
|---|---|---|---|
| T0019203 | q060what | | Mexican. |
| C0015042 | q060what | | Hispanic. |
| C0034882 | q060what | | Mexican. |
| C0016474 | q060what | 1 | Native white. |
| C0029306 | q060what | | Hispanic. |
| T0001504 | q060what | | Hispanic. |
| F0006261 | q060what | | Hispanic. |
| T0029075 | q060what | | Polish |
| T0008024 | q060what | | Mexican. |
| L0003734 | q060what | 1 | White and Hispanic. |
| C0017191 | q060what | | Hispanic. |
| C0020576 | q060what | | Hispanic. |
| C0017370 | q060what | | Mexican. |
| F0033994 | q060what | | Hispanic. |
| T0033395 | q060what | | Hispanic. |
| C0021974 | q060what | | Hispanic. |
| F0001937 | q060what | | Polish. |
| T0027594 | q060what | | Hispanic. |
| C0014008 | q060what | | Hispanic. |
| C0015533 | q060what | | Hispanic. |
| C0026389 | q060what | | Hispanic. |
| T0012344 | q060what | 5 | Native American. |
| T0034464 | q060what | | Mexican. |
| T0000129 | q060what | | Hispanic. |
| C0010421 | q060what | | Chinese. |
| T0032765 | q060what | | Hispanic. |
| C0008253 | q060what | | Hispanic. |
| T0035231 | q060what | 5 | Irish and American Indian. |
| T0002641 | q060what | | Latin. |
| T0004697 | q060what | | Hispanic. |
| T0006523 | q060what | | Latino. |
| T0011511 | q060what | | Hispanic. |
| T0015995 | q060what | | Hispanic. |
| F0021871 | q060what | | Hispanic. |
| T0032139 | q060what | | Hispanic. |
| C0015357 | q060what | | North American. |
| T0027927 | q060what | | Hispanic. |
| F0026275 | q060what | 99 | Refused. |
| C0002185 | q060what | | Latino. |
| C0005776 | q060what | | Hispanic. |
| T0011800 | q060what | | Hispanic. |
| T0020504 | q060what | | Hispanic. |
| C0023720 | q060what | | Mexican American. |
| F0004222 | q060what | | Hispanic. |
| T0027806 | q060what | | Hispanic. |
| C0028851 | q060what | | Hispanic. |
| C0035659 | q060what | | Mexican. |
| T0031677 | q060what | | Hispanic. |

| | | | |
|---|---|---|---|
| F0003173 | q060what | | Hispanic. |
| F0012157 | q060what | | British West Indian. |
| T0001485 | q060what | | Mexican. |
| T0012051 | q060what | | Hispanic. |
| C0008036 | q060what | | Latino. |
| C0020397 | q060what | | Latin. |
| T0001012 | q060what | | Mixed race. |
| T0000181 | q060what | | Hispanic. |
| C0017020 | q060what | | Latin. |
| C0036372 | q060what | | Middle Easterner. |
| C0036531 | q060what | | Hispanic. |
| C0034898 | q060what | | Latino. |
| C0009352 | q060what | | Hispanic. |
| C0005548 | q060what | 5 | American Indian Hispanic. |
| L0023746 | q060what | | Gumbol. |
| L0027126 | q060what | | Hispanic. |
| C0014930 | q060what | | Hispanic. |
| C0028714 | q060what | | Hispanic. |
| T0007237 | q060what | | Hispana. |
| T0001494 | q060what | | Latino. |
| C0005855 | q060what | | Hispanic. |
| C0034150 | q060what | | Latino. |
| T0036540 | q060what | | Hispanic. |
| L0019034 | q060what | | American. |
| T0011653 | q060what | | Honduras. |
| L0002312 | q060what | | French. |
| L0032309 | q060what | 5 | Indian/Spanish/Native American. |
| T0032672 | q060what | | Hispanic. |
| T0027906 | q060what | | Hispanic. |
| C0017972 | q060what | | Latina. |
| T0032730 | q060what | | Hispanic. |
| C0035527 | q060what | | French. |
| C0015455 | q060what | | Hispanic. |
| C0018335 | q060what | | Hispanic. |
| T0033298 | q060what | | Hispanic. |
| C0013292 | q060what | | Hispanic. |
| C0029238 | q060what | | Hispanic. |
| T0032482 | q060what | | Hispanic. |
| T0001232 | q060what | | Hispanic. |
| C0018401 | q060what | | Hispanic. |
| C0014777 | q060what | | Hispanic. |
| T0024924 | q060what | | Hispanic. |
| C0029500 | q060what | | Mexican/Irish |
| C0026462 | q060what | | Hispanic. |
| C0028098 | q060what | | Latin. |
| C0005557 | q060what | | Latino. |
| T0034740 | q060what | | Hispanic. |
| T0006445 | q060what | | Hispanic. |

| | | | |
|---|---|---|---|
| T0028164 | q060what | 1 | White/Hispanic. |
| C0016250 | q060what | 4 | Hispanic/Native to the Pacific Islands. |
| C0036014 | q060what | 1 | White/Hispanic. |
| C0008877 | q060what | | Hispanic. |
| L0035059 | q060what | | Purple. |
| C0016090 | q060what | | American. |
| C0003422 | q060what | | Hispanic. |
| T0002847 | q060what | | Hispanic. |
| C0012160 | q060what | | Hispano (sp) Hispanic. |
| F0023366 | q060what | | Hispanic(sp) Hispanic. |
| C0002792 | q060what | | Hispanic(sp)Hispanic. |
| T0012602 | q060what | | Hispanic(sp) Hispanic |
| T0031428 | q060what | | Hispanic(sp)Hispanic. |
| T0028236 | q060what | | Hispanic(sp)Hispanic. |
| T0028781 | q060what | | Hispanic(sp)Hispanic. |
| C0033171 | q060what | | Hispanic(sp)Hispanic. |
| C0000878 | q060what | | Hispanic. |
| T0023863 | q060what | | American. |
| C0033034 | q060what | | Hispanic. |
| C0019655 | q060what | | Hispanic. |
| C0022796 | q060what | | Hispano y indio de Mexico. |
| C0029506 | q060what | | Latino. |
| C0006658 | q060what | | Hispanic(sp)Hispanic. |
| T0028411 | q060what | | Hispanic. |
| T0024551 | q060what | | Hispano. |
| C0020444 | q060what | | Hispanic(sp)Hispanic. |
| C0007872 | q060what | | Hispanic. |
| C0030166 | q060what | | Hispanic. |
| C0014325 | q060what | | Hispanic. |
| F0011693 | q060what | | Hispanic. |
| T0018415 | q060what | | Salvadorian. |
| C0025710 | q060what | | Mexicano. |
| C0021326 | q060what | | Hispanic. |
| C0002069 | q060what | | Hispanic. |
| T0031391 | q060what | | Mexicano. |
| C0033043 | q060what | | Mexicana. |
| C0011729 | q060what | | Hispanic(sp)Hispanic |
| F0004236 | q060what | | Hispanic(sp)Hispanic. |
| T0032459 | q060what | | Hispanic(sp)Hispanic. |
| T0024610 | q060what | | Hispanic(sp)Hispanic. |
| C0031021 | q060what | | Hispanic(sp)Hispanic. |
| F0028796 | q060what | | Hispanic. |
| T0008023 | q060what | | Latino. |
| T0008059 | q060what | | Hispanic. |
| C0000330 | q060what | | Hispanic. |
| T0028056 | q060what | | Hispanic. |
| T0023800 | q060what | | Mexican. |
| T0023803 | q060what | | Mexican. |

| | | | |
|---|---|---|---|
| T0031439 | q060what | | Mexican. |
| T0013971 | q060what | | Latino. |
| F0021128 | q060what | | Mexican. |
| C0018530 | q060what | | Hispanic. |
| C0014456 | q060what | | Latino. |
| T0031521 | q060what | | Mexican. |
| T0024609 | q060what | | Mexican. |
| T0005884 | q060what | | Mexican. |
| L0031585 | q060what | | Latino. |
| T0023600 | q060what | | Mexican. |
| F0028346 | q060what | | Mexican. |
| T0023802 | q060what | | Hispanic. |
| T0007819 | q060what | | Latina. |
| C0019590 | q060what | | Hispanic. |
| C0029320 | q060what | | Hispanic. |
| C0007667 | q060what | | Hispanic. |
| F0007292 | q060what | | Hispanso. |
| F0029154 | q060what | | Hispanic. |
| C0005154 | q060what | | Hispanic. |
| C0017598 | q060what | | Hispanic. |
| C0028067 | q060what | | Hispanic. |
| F0032986 | q060what | | Hispanic. |
| C0011877 | q060what | | Mexican. |
| T0021462 | q060what | | Hispanic. |
| C0024504 | q060what | | Hispanic. |
| T0028128 | q060what | | Hispanic. |
| C0020407 | q060what | | Mexican/Hispanic. |
| T0018174 | q060what | 1 | White/Hispanic. |
| C0005827 | q060what | | Latina. |
| C0024431 | q060what | | Mexican/Hispanic. |
| C0028971 | q060what | | Hispanic/Latino. |

# APPENDIX D: SURVEY

## Raw Oyster Consumer Survey

### Questionnaire

---
--------IntroQ
---
Hello, my name is <Your Name> calling on behalf of the Interstate Shellfish Sanitation Conference. We are conducting a food-related health survey in <STATE> and your participationis very important.

This telephone number was chosen at random to be included for the short survey.

To confirm, is this <repeat phone number >?

1. CORRECT NUMBER **(GO TO PRIVRES)**
2. NO ANSWER
3. NORMAL BUSY
4. ANSWERING MACHINE **(LEAVE MESSAGE USE SCRIPT ON FOURTH ATTEMPT ONLY)**
5. DO NOT WISH TO DIAL THIS NUMBER **(NULL ATTEMPT)**
6. NUMBER IS NOT THE SAME

**SHOW ANSWER MACHINE SCRIPT:**
Hello, my name is <Your Name> calling on behalf of the Interstate Shellfish Sanitation Conference. We are interviewing adults in <STATE> about food and health. I will call back in the next few days. Thank you.

---
--------PrivRes
---

Is this a private residence?

1. YES, CONTINUE – **SKIP TO ADULTS**
2. NO, NON-RESIDENTIAL

---
--------NonRes - **Only get this if PrivRes = 2** (Non-Residential)
---

Thank you very much, but we are only interviewing private residences.
STOP

---
--------WrongNum - **ONLY GET THIS IF INTROQ = 6 (NUMBER IS NOT THE SAME)**

---

Thank you very much, but I seem to have dialed the wrong number. It's possible that your number may be called at a later time. **Stop**

---

--------HHAGE **EVERYONE GETS**

---

For this short survey, I need to speak to an adult in the household. What is your age?
[IF RESPONDENT REFUSES, SAY: "Are you over 18 years of age?"; IF YES, CODE 888]

__ __years old
888 Over 18 years old

777 Don't Know
999 Refused

---

---------If HHAGE<18; else go to **Adults**

---

May I speak with a person age 18 years or older please?
1 Yes, adult coming to the phone
2 No {go to termination screen--schedule callback}

---

--------NewAdult

---

Hello, my name is <Your Name> calling on behalf of the Interstate Shellfish Sanitation Conference. We are conducting a health survey of adults in <STATE>.

1. PERSON INTERESTED, CONTINUE
2. PERSON NOT INTERESTED, PRESS CTRL END AND SCHEDULE A CALL-BACK.

---

--------Adults

---

Our survey requires that we pick an adult to be interviewed who lives in your household. How many people living in your household, including yourself, are 18 years of age or older?

_ _ ENTER THE NUMBER OF ADULTS **IF ANS = 1 SKIP TO HHSEX**

---
--------Adults3a - **ONLY IF ADULTS > 1; ELSE GO TO HHSEX**
---

How many of these adults are men and how many are women?

__ Number of men
__ Number of women

---
--------WrongTot **ONLY GET IF ADULTS>1 AND MEN+WOMEN<>ADULTS**
---

I'm sorry, something is not right.

Number of Men -

Number of Women -
---
Number of Adults –

1. CORRECT THE NUMBER OF MEN

2. CORRECT THE NUMBER OF WOMEN

3. CORRECT THE NUMBER OF ADULTS

---
--------HHSEX
---

Are you male or female?
INTERVIEWER: Ask only if you can't determine.

1. RESPONDENT IS A MALE

2. RESPONDENT IS A FEMALE

---
-------MOYS - If Men>0; Else go to WOYS
---

A raw oyster is any oyster that's uncooked, such as oysters on the half shell or raw oysters from a jar or can.

How many of the men have eaten raw oysters in the past three years?

__ Number of men

-------WOYS – If Women>0; Else go to Adults3b

IF MEN=0
A raw oyster is any oyster that's uncooked, such as oysters on the half shell or raw oysters from a jar or can.

How many of the women have eaten raw oysters in the past three years?

__ Number of women

**If MOYS = 0 and WOYS = 0 go to Closing2; Else Continue**

---
--------Adults3b - **IF ADULTS = 1 or [(HHSEX=1 and MOYS>0) or (HHSEX=2 and WOYS>0)]; Else go to Selected**
---
IF ADULTS=1
A raw oyster is any oyster that's uncooked, such as oysters on the half shell or raw oysters from a jar or can.

Have you eaten raw oysters in the past three years?

1. YES – **Go to You're the One**
2. NO – **If Adults=1 go to Closing2; Else Continue**

7. DON'T KNOW/I DON'T UNDERSTAND
9. REFUSED

---
--------Selected – **ONLY GET THIS IF MORE THAN ONE ADULT IN HOUSEHOLD**
---

I need to speak with someone in the household who has eaten raw oysters

May I speak with him or her?

1. YES, ADULT COMING TO THE PHONE Go to **NewAdult**

2. NO, SCHEDULE A CALL-BACK

---
--------YOURTHE1 - **ONLY GET IF ADULTS3b = 1 (YES)** ----------
---

Then you are the person I need to speak with.

Your participation is voluntary, but it is very important because you represent many other people in your community. We will hold your responses in the strictest confidence. You may decline to answer any question you wish and you may terminate the interview at any time. If you have any questions at any point, please let me know.

This survey should take less than 5 minutes

1.  PERSON INTERESTED, CONTINUE – **SKIP TO FIRST SECTION**

2.  GO BACK TO ADULTS QUESTION.  WARNING:A NEW RESPONDENT MAY BE SELECTED

---

--------NewAdult –**ONLY GET THIS IF SELECTED=1**

---

Hello, my name is <Your Name> calling on behalf of the Interstate Shellfish Sanitation Conference.  We are conducting a health survey among  adults in <STATE>.

Your participation is voluntary, but it is very important because you represent many other people in your community. We will hold your responses in the strictest confidence. You may decline to answer any question you wish and you may terminate the interview at any time. If you have any questions at any point, please let me know.

This survey should take less than 5 minutes.

1.  PERSON INTERESTED, CONTINUE
2.  PERSON NOT INTERESTED, CLOSING2

---
-------FIRST Section
---
--------
The following set of questions asks about your personal consumption of raw oysters.

A raw oyster is any oyster that’s uncooked, such as oysters on the half shell or raw oysters from a jar or can.

There are no correct answers.

---
--------Q005
---

Have you eaten raw oysters in the past 12 months?
1. YES
2. NO - **SKIP TO Q020**

7. DON’T KNOW / I DO NOT UNDERSTAND - **SKIP TO Q020**
9. REFUSED - **SKIP TO Q020**

---
--------Q010 **GET IF Q005 =1**
---

How many times have you eaten raw oysters in the past 12 months?
[INTERVIEWER NOTE: 76=76 or more times]

_____ TIMES [Range 01-76]

77. DON’T KNOW / I DO NOT UNDERSTAND
99. REFUSED

---
--------Q015
---

Compared to a year ago, would you say you eat raw oysters . . .

[READ LIST]
1. More often than before,
2. Less often than before, or
3. About the same

7. DON’T KNOW / I DO NOT UNDERSTAND
9. REFUSED

---
--------Q020 **GET IF Q015=2**
---

Do you eat raw oysters less often now mainly because of . . .

[READ LIST]
1. Unpleasant taste or appearance,
2. Cost,
3. Personal health concerns,
4. Availability
5. Or some other reason: _____

7. DON'T KNOW / I DO NOT UNDERSTAND
9. REFUSED

**(RANDOMIZE LIST 1-4 FOR PRESENTATION)**
---
--------Q025
---

Which of the following statements best describes your feelings about eating raw oysters and your health?

[READ LIST]
1. Not at all concerned
2. Somewhat concerned
3. Very concerned

7. DON'T KNOW / I DO NOT UNDERSTAND
9. REFUSED

---
--------Q030
---

Have you ever heard or read that people with liver disease can get extremely ill from eating raw oysters? Liver disease includes such diseases as Hepatitis, Cirrhosis and Liver Cancer.

1. YES
2. NO

7. DON'T KNOW / I DO NOT UNDERSTAND
9. REFUSED

---
--------Q035
---

Have you ever heard or read that people with diabetes can get extremely ill from eating raw oysters?

1. YES
2. NO

7. DON'T KNOW / I DO NOT UNDERSTAND
9. REFUSED

---
--------Q036
---

Have you ever heard or read that people with weakened immune systems can get extremely ill from eating raw oysters? People with weakened immune systems include transplant recipients, cancer patients undergoing treatment, and those with a disease affecting the immune system such as HIV/AIDS, lupus, and sickle cell anemia.]

1. YES
2. NO

7. DON'T KNOW / I DO NOT UNDERSTAND
9. REFUSED

---
--------Q040 **GET IF Q030 or Q035 or Q036 = 1**
---

I'm going to read a list of places where you may have heard or read that people with liver disease diabetes or weakened immune systems should not eat raw oysters. Please tell me if you heard or read that message:

/BEGIN ROTATE/
Q040.1 On Television
Q040.2 On the Radio
Q040.3 In the Newspaper
Q040.4 In a Magazine
Q040.5 From a Doctor, Nurse or other health professional
Q040.6 In a Posted notice in fish market, raw oyster bar, or restaurant menu
Q040.7 From Friends or Family
Q040.8 From any other source (specify):_____
1. YES
2. NO

7. DON'T KNOW / I DO NOT UNDERSTAND
9. REFUSED
/END ROTATE/

---
--------Q041 – **GET IF Q040.1 or Q040.2 or Q040.3 or Q040.4 or Q040.5 or Q040.6 or Q040.7 or Q040.8 = 1**
---

How long has it been since you heard or read that people with liver disease or diabetes can get extremely ill from eating raw oysters?

**[READ IF NECESSARY]**

1. 6 months or less
2. 7 months to one year
3. More than a year

7. DON'T KNOW / I DO NOT UNDERSTAND
9. REFUSED

---
--------Q042 - **GET IF Q005 = 1**
---

When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW?

**[DO NOT READ]**
**[INTERVIEWER: CODE ALL THAT APPLY]**
**/MUL 13/**

01. AVOID OR EAT FEWER OYSTERS IN THE SUMMER MONTHS.
02. AVOID OR EAT FEWER OYSTERS IN MONTHS WITHOUT AN "R"
03. AVOID OYSTERS FROM POLLUTED WATERS OR FROM PLACES WHERE OUTBREAKS HAVE RECENTLY OCCURRED.
04. CHOOSE RETAIL MARKETS CAREFULLY.
05. CHOOSE RESTAURANTS CAREFULLY.
06. CHECK THE WAY OYSTERS LOOK OR SMELL.
07. BUY ONLY OYSTERS WITH CLOSED SHELL.
08. EAT OYSTERS WITH TOBASCO SAUCE.
09. EAT OYSTERS WHILE DRINKING ALCOHOLIC BEVERAGE.
10. DON'T EAT THEM/STOPPED EATING RAW OYSTERS
11. COOK THEM
12. EAT LESS OFTEN
13. OTHER (SPECIFY): _____
14. NONE/I HAVE DONE NOTHING

77. NOT SURE / DON'T KNOW
99. REFUSED

---
--------**SECOND Section**
*Demographics*
---

Now, I'm going to ask a set of general questions about your personal characteristics. When I read each one, please answer to the best of your ability.

---
--------Q045
---
/IF (HHAGE>18) AND (HHAGE NE 888) AND YOURTHE1=1, FILL IN DATA AUTOMATICALLY AND SKIP TO Q055/
What is your age?

_____ Code age in years [RANGE 18-99]

07. DON'T KNOW/NOT SURE
09. REFUSED

---
--------Q050 **GET IF Q045 = 999**
---

I understand this may be a sensitive question. Would you be willing to tell me which of the following best describes your age range?

**[READ 1 – 4 ONLY].**

1. Under 30
2. 30 to 44
3. 45 to 64
4. 65 or older

7. DON'T KNOW / NOT SURE
9. REFUSED

---
--------Q055
---

**[RECORD GENDER, VERIFY IF NECESSARY]**

1. MALE
2. FEMALE

7. DON'T KNOW / NOT SURE
9. REFUSED

---
--------Q060
---

Which racial or ethnic background best describes you?

Would you say: White, Black, Asian, Pacific Islander, American Indian, Alaska Native, or Other?

[INTERVIEWER: IF RESPONDENT SAYS 'Hispanic', ASK 'Are you white-Hispanic, black-Hispanic, Asian or Pacific Islander and Hispanic, American Indian or Alaska Native and Hispanic, or other race and Hispanic?]

1. White (Caucasian)
2. Black (African-American)
4. Asian or Pacific Islander
5. American Indian or Alaska Native (including Aleut)
6. OTHER (Specify?):_____

7. DON'T KNOW / NOT SURE
9. REFUSED

---
--------Q065
---

[INTERVIEWER: IF RESPONDENT REPLIED 'Hispanic' TO THE PREVIOUS QUESTION, CODE THIS QUESTION "YES" AND CONTINUE]

Are you of Spanish or Hispanic origin?

1. YES
2. NO

7. NOT SURE / DON'T KNOW
9. REFUSED

---
--------Q070
---

Has a doctor ever told you that you have liver disease, such as hepatitis, cirrhosis, or liver cancer?

1. YES
2. NO

7. NOT SURE / DON'T KNOW
9. REFUSED

---
--------Q075
---

Has a doctor ever told you that you have diabetes?

1. YES
2. NO

7. NOT SURE / DON'T KNOW
9. REFUSED

---
--------Q080
---

Has a doctor ever told you that you have a weakened immune system?
**[INTERVIEWER: People with weakened immune systems include transplant recipients, cancer patients undergoing treatment, and those with a disease affecting the immune system such as HIV/AIDS, lupus, and sickle cell anemia.]**

1. YES
2. NO

7. NOT SURE / DON'T KNOW
9. REFUSED

---
--------CLOSING
---
Thank you very much for helping us in our study. In closing, the Interstate Shellfish Sanitation Conference urges people with liver disease, diabetes, or weakened immune systems never to eat raw oysters, or only eat oysters that have been thoroughly cooked. If you would like more information, please call 1-800-416-4772 to request a free brochure. Thank you again for your participation. This research project would not be possible without your contribution.

_____
_____CLOSING2
_____

Thank you very much for your time and consideration, but we are only interviewing people that eat raw oysters.

# APPENDIX E: QUESTION-LEVEL FREQUENCIES

Q5: Have you eaten raw oysters in the past 12 months?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| YES | CA | 65.15% | 348 | 2771358 | 2.85% |
| | CA-So. | 69.44% | 292 | 1692216 | 2.85% |
| | FL | 72.60% | 364 | 1855664 | 2.09% |
| | LA | 75.92% | 380 | 497889 | 1.93% |
| | TX | 65.14% | 327 | 1669962 | 2.29% |
| | **Total** | **67.75%** | **1419** | **6794872** | **1.46%** |
| NO | CA | 33.78% | 147 | 1436969 | 2.84% |
| | CA-So. | 29.69% | 112 | 723423 | 2.84% |
| | FL | 27.40% | 136 | 700372 | 2.09% |
| | LA | 23.64% | 124 | 155027 | 1.91% |
| | TX | 34.45% | 171 | 883103 | 2.28% |
| | **Total** | **31.66%** | **578** | **3175470** | **1.45%** |
| DON'T KNOW | CA | 1.06% | 5 | 45190 | 0.61% |
| | CA-So. | 0.87% | 4 | 21213 | 0.44% |
| | LA | 0.45% | 2 | 2928 | 0.34% |
| | TX | 0.41% | 2 | 10581 | 0.30% |
| | **Total** | **0.59%** | **9** | **58698** | **0.27%** |

Q10: How many times have you eaten raw oysters in the past 12 months?

| State | Mean | n | N | SE |
|---|---|---|---|---|
| **Total** | **6.17948** | **115178** | **6740400.75** | **0.31102** |
| CA | 6.20295 | 27953 | 2754182.60 | 0.69075 |
| CA-So. | 5.97846 | 22781 | 1675040.8 | 0.74111 |
| FL | 6.35076 | 29150 | 1848263.11 | 0.52438 |
| LA | 7.15183 | 29150 | 487030.70 | 0.65352 |
| TX | 5.66173 | 28925 | 1650924.33 | 0.61343 |

Q15: Compared to a year ago, would you say you eat raw oysters…

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| MORE OFTEN THAN BEFORE | CA | 13.81% | 51 | 382852 | 2.42% |
| | CA-So. | 14.65% | 44 | 247894 | 2.56% |
| | FL | 9.37% | 35 | 173794 | 1.56% |
| | LA | 11.77% | 42 | 58577 | 1.76% |
| | TX | 10.72% | 31 | 179066 | 1.91% |
| | **Total** | **11.69%** | **159** | **794289** | **1.18%** |
| LESS OFTEN THAN BEFORE | CA | 21.50% | 79 | 595891 | 2.80% |
| | CA-So. | 21.17% | 67 | 358177 | 2.71% |
| | FL | 22.07% | 83 | 409576 | 2.22% |
| | LA | 17.09% | 66 | 85087 | 1.98% |
| | TX | 19.05% | 67 | 318112 | 2.27% |
| | **Total** | **20.73%** | **295** | **1408665** | **1.42%** |
| ABOUT THE SAME | CA | 64.35% | 216 | 1783271 | 3.31% |
| | CA-So. | 63.63% | 179 | 1076801 | 3.35% |
| | FL | 68.56% | 246 | 1272294 | 2.50% |
| | LA | 70.39% | 269 | 350489 | 2.42% |
| | TX | 70.23% | 229 | 1172784 | 2.70% |
| | **Total** | **67.39%** | **960** | **4578838** | **1.66%** |
| DON'T KNOW | CA | 0.34% | 2 | 9344 | 0.24% |
| | CA-So. | 0.55% | 2 | 9344 | 0.39% |
| | LA | 0.75% | 3 | 3736 | 0.43% |
| | **Total** | **0.19%** | **5** | **13080** | **0.10%** |

Q20: Do you eat raw oysters less often now mainly because of …

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 79 | 595891 | . |
| | CA-So. | 100.0% | 67 | 358177 | . |
| | FL | 100.0% | 83 | 409576 | . |
| | LA | 100.0% | 66 | 85087 | . |
| | TX | 100.0% | 67 | 318112 | . |
| | **Total** | **100.0%** | **295** | **1408665** | **.** |
| UNPLEASANT TASTE OR APPEARANCE | CA | 18.83% | 11 | 112231 | 6.52% |
| | CA-So. | 22.76% | 10 | 81520 | 7.37% |
| | FL | 2.02% | 2 | 8260 | 1.42% |
| | LA | 7.07% | 4 | 6017 | 3.49% |
| | TX | 12.44% | 8 | 39562 | 4.46% |
| | **Total** | **11.79%** | **25** | **166071** | **3.05%** |
| COST | CA | 18.87% | 14 | 112459 | 5.97% |
| | CA-So. | 10.81% | 10 | 38719 | 3.57% |
| | FL | 14.93% | 12 | 61138 | 4.12% |
| | LA | 11.25% | 8 | 9571 | 3.84% |
| | TX | 7.24% | 5 | 23020 | 3.23% |
| | **Total** | **14.64%** | **39** | **206189** | **2.92%** |
| PERSONAL HEALTH CONCERNS | CA | 20.47% | 16 | 121995 | 5.99% |
| | CA-So. | 16.79% | 13 | 60144 | 4.63% |
| | FL | 32.65% | 27 | 133743 | 5.33% |
| | LA | 31.64% | 21 | 26917 | 5.90% |
| | TX | 32.55% | 22 | 103539 | 6.11% |
| | **Total** | **27.42%** | **86** | **386194** | **3.30%** |
| AVAILABILITY | CA | 23.12% | 21 | 137765 | 5.36% |
| | CA-So. | 30.22% | 19 | 108228 | 6.27% |
| | FL | 27.49% | 22 | 112591 | 5.18% |
| | LA | 29.52% | 20 | 25115 | 5.81% |
| | TX | 29.58% | 20 | 94109 | 6.09% |
| | **Total** | **26.24%** | **83** | **369580** | **3.11%** |

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| OR SOME OTHER REASON | CA | 14.01% | 12 | 83485 | 5.15% |
| | CA-So. | 11.62% | 10 | 41613 | 3.78% |
| | FL | 20.51% | 18 | 84005 | 4.51% |
| | LA | 14.90% | 9 | 12680 | 4.72% |
| | TX | 17.19% | 11 | 54670 | 5.03% |
| | **Total** | **16.67%** | **50** | **234840** | **2.80%** |
| DON'T KNOW | CA | 4.69% | 5 | 27955 | 2.22% |
| | CA-So. | 7.80% | 5 | 27955 | 3.57% |
| | FL | 2.40% | 2 | 9839 | 1.69% |
| | LA | 2.98% | 2 | 2536 | 2.10% |
| | **Total** | **2.86%** | **9** | **40330** | **1.06%** |
| REFUSED | LA | 2.64% | 2 | 2249 | 1.90% |
| | TX | 1.01% | 1 | 3211 | 1.02% |
| | **Total** | **0.39%** | **3** | **5461** | **0.26%** |

Q25: Which of the following statements best describes your feelings about eating raw oysters and your health?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| NOT AT ALL CONCERNED | CA | 54.34% | 275 | 2311325 | 2.90% |
| | CA-So. | 58.79% | 229 | 1432579 | 2.92% |
| | FL | 47.96% | 239 | 1225805 | 2.32% |
| | LA | 51.93% | 265 | 340599 | 2.28% |
| | TX | 53.14% | 261 | 1362244 | 2.39% |
| | **Total** | **52.25%** | **1040** | **5239973** | **1.50%** |
| SOMEWHAT CONCERNED | CA | 30.84% | 159 | 1311687 | 2.65% |
| | CA-So. | 27.39% | 127 | 667385 | 2.44% |
| | FL | 38.37% | 194 | 980667 | 2.26% |
| | LA | 37.74% | 187 | 247539 | 2.22% |
| | TX | 36.24% | 185 | 929130 | 2.30% |
| | **Total** | **34.59%** | **725** | **3469023** | **1.40%** |
| VERY CONCERNED | CA | 13.48% | 62 | 573518 | 2.06% |
| | CA-So. | 13.48% | 50 | 328507 | 2.25% |
| | FL | 13.04% | 64 | 333330 | 1.58% |
| | LA | 9.79% | 51 | 64217 | 1.35% |
| | TX | 9.83% | 49 | 251983 | 1.44% |
| | **Total** | **12.20%** | **226** | **1223047** | **1.04%** |
| DON'T KNOW | CA | 1.34% | 4 | 56987 | 0.84% |
| | CA-So. | 0.34% | 2 | 8379 | 0.25% |
| | FL | 0.47% | 2 | 12103 | 0.35% |
| | LA | 0.21% | 1 | 1376 | 0.21% |
| | TX | 0.79% | 5 | 20289 | 0.38% |

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| | **Total** | **0.90%** | **12** | **90755** | **0.38%** |
| REFUSED | FL | 0.16% | 1 | 4130 | 0.16% |
| | LA | 0.32% | 2 | 2112 | 0.23% |
| | **Total** | **0.06%** | **3** | **6243** | **0.04%** |

Q30: Have you ever heard or read that people with liver disease can get extremely ill from eating raw oysters?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| YES | CA | 32.61% | 167 | 1387187 | 2.71% |
| | CA-So. | 33.16% | 138 | 807947 | 2.82% |
| | FL | 54.99% | 275 | 1405536 | 2.31% |
| | LA | 62.66% | 316 | 410947 | 2.21% |
| | TX | 42.93% | 220 | 1100481 | 2.37% |
| | **Total** | **42.92%** | **978** | **4304151** | **1.45%** |
| NO | CA | 67.21% | 332 | 2858727 | 2.72% |
| | CA-So. | 66.53% | 269 | 1621302 | 2.82% |
| | FL | 44.62% | 223 | 1140535 | 2.31% |
| | LA | 37.20% | 189 | 243983 | 2.21% |
| | TX | 56.88% | 279 | 1458188 | 2.37% |
| | **Total** | **56.85%** | **1023** | **5701434** | **1.45%** |
| DON'T KNOW | CA | 0.18% | 1 | 7602 | 0.18% |
| | CA-So. | 0.31% | 1 | 7602 | 0.31% |
| | FL | 0.26% | 1 | 6693 | 0.26% |
| | LA | 0.14% | 1 | 913 | 0.14% |
| | TX | 0.19% | 1 | 4978 | 0.19% |
| | **Total** | **0.20%** | **4** | **20185** | **0.11%** |
| REFUSED | FL | 0.13% | 1 | 3270 | 0.13% |
| | **Total** | **0.03%** | **1** | **3270** | **0.03%** |

Q35: Have you ever heard or read that people with diabetes can get extremely ill from eating raw oysters?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| YES | CA | 16.93% | 96 | 720018 | 2.12% |
| | CA-So. | 20.22% | 86 | 492711 | 2.36% |
| | FL | 24.22% | 124 | 619081 | 1.97% |
| | LA | 26.60% | 134 | 174457 | 2.02% |
| | TX | 16.01% | 79 | 410532 | 1.75% |
| | **Total** | **19.19%** | **433** | **1924088** | **1.13%** |
| NO | CA | 82.69% | 401 | 3517230 | 2.13% |
| | CA-So. | 79.11% | 319 | 1927872 | 2.38 % |
| | FL | 75.59% | 375 | 1932034 | 1.98% |
| | LA | 73.01% | 370 | 478849 | 2.03% |
| | TX | 83.99% | 421 | 2153115 | 1.75% |
| | **Total** | **80.58%** | **1567** | **8081229** | **1.14%** |
| DON'T KNOW | CA | 0.38% | 3 | 16268 | 0.22% |
| | CA-So. | 0.67% | 3 | 16268 | 0.39% |
| | FL | 0.19% | 1 | 4920 | 0.19% |
| | LA | 0.39% | 2 | 2536 | 0.27% |
| | **Total** | **0.24%** | **6** | **23724** | **0.11%** |

Q36: Have you ever heard or read that people with weakened immune systems can get extremely ill from eating raw oysters?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| YES | CA | 22.20% | 127 | 944336 | 2.30% |
| | CA-So. | 24.29% | 109 | 591889 | 2.39% |
| | FL | 44.24% | 227 | 1130668 | 2.31% |
| | LA | 47.74% | 241 | 313068 | 2.28% |
| | TX | 28.30% | 143 | 725541 | 2.15% |
| | **Total** | **31.05%** | **738** | **3113613** | **1.29%** |
| NO | CA | 77.13% | 371 | 3280805 | 2.34% |
| | CA-So. | 75.53% | 298 | 1840563 | 2.39% |
| | FL | 55.60% | 272 | 1421237 | 2.31% |
| | LA | 52.06% | 264 | 341438 | 2.28% |
| | TX | 71.70% | 357 | 1838105 | 2.15% |
| | **Total** | **68.62%** | **1264** | **6881586** | **1.30%** |
| DON'T KNOW | CA | 0.67% | 2 | 28375 | 0.57% |
| | CA-So. | 0.18% | 1 | 4399 | 0.16% |
| | FL | 0.16% | 1 | 4130 | 0.16% |
| | LA | 0.20% | 1 | 1337 | 0.20% |
| | **Total** | **0.34%** | **4** | **33842** | **0.25%** |

Q40_1: Please tell me if you heard or read that message: On Television?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 212 | 1727904 | . |
| | CA | 100.0% | 179 | 1055372 | . |
| | FL | 100.0% | 325 | 1652789 | . |
| | LA | 100.0% | 353 | 458523 | . |
| | TX | 100.0% | 242 | 1219404 | . |
| | **Total** | **100.0%** | **1132** | **5058620** | **.** |
| YES | CA | 31.24% | 74 | 539764 | 4.09% |
| | CA-So. | 35.14% | 66 | 370831 | 4.20% |
| | FL | 44.25% | 139 | 731410 | 2.88% |
| | LA | 46.77% | 164 | 214438 | 2.73% |
| | TX | 41.79% | 100 | 509590 | 3.41% |
| | **Total** | **39.44%** | **477** | **1995203** | **1.91%** |
| NO | CA | 65.64% | 135 | 1134251 | 4.26% |
| | CA-So. | 64.30% | 112 | 678607 | 4.22% |
| | FL | 54.90% | 183 | 907409 | 2.88% |
| | LA | 51.49% | 183 | 236114 | 2.73% |
| | TX | 56.82% | 140 | 692838 | 3.43% |
| | **Total** | **58.72%** | **641** | **2970612** | **1.95%** |
| DON'T KNOW | CA | 3.12% | 3 | 53888 | 1.95% |
| | CA-So. | 0.56% | 1 | 5935 | 0.56% |
| | FL | 0.85% | 3 | 13969 | 0.49% |
| | LA | 1.74% | 6 | 7970 | 0.72% |
| | TX | 1.39% | 2 | 16977 | 0.98% |
| | **Total** | **1.83%** | **14** | **92804** | **0.73%** |

Q40_2: Please tell me if you heard or read that message: On the Radio?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 212 | 1727904 | . |
| | CA-So. | 100.0% | 179 | 1055372 | . |
| | FL | 100.0% | 325 | 1652789 | . |
| | LA | 100.0% | 353 | 458523 | . |
| | TX | 100.0% | 242 | 1219404 | . |
| | **Total** | **100.0%** | **1132** | **5058620** | **.** |
| YES | CA | 16.70% | 37 | 288569 | 3.13% |
| | CA | 19.47% | 32 | 205517 | 3.66% |
| | FL | 15.99% | 52 | 264247 | 2.12% |
| | LA | 18.67% | 67 | 85588 | 2.10% |
| | TX | 19.62% | 47 | 239305 | 2.78% |
| | **Total** | **17.35%** | **203** | **877709** | **1.45%** |
| NO | CA | 82.41% | 172 | 1423900 | 3.17% |
| | CA-So. | 79.06% | 144 | 834421 | 3.73% |
| | FL | 83.53% | 272 | 1380570 | 2.16% |
| | LA | 78.88% | 276 | 361675 | 2.19% |
| | TX | 79.70% | 193 | 971910 | 2.81% |
| | **Total** | **81.80%** | **913** | **4138055** | **1.47%** |
| DON'T KNOW | CA | 0.89% | 3 | 15434 | 0.55% |
| | CA-So. | 1.46% | 3 | 15434 | 0.89% |
| | FL | 0.48% | 1 | 7973 | 0.48% |
| | LA | 2.46% | 10 | 11260 | 0.78% |
| | TX | 0.67% | 2 | 8189 | 0.49% |
| | **Total** | **0.85%** | **16** | **42855** | **0.28%** |

Q40_3: Please tell me if you heard or read that message: In the Newspaper?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 212 | 1727904 | . |
| | CA-So. | 100.0% | 179 | 1055372 | . |
| | FL | 100.0% | 325 | 1652789 | . |
| | LA | 100.0% | 353 | 458523 | . |
| | TX | 100.0% | 242 | 1219404 | . |
| | **Total** | **100.0%** | **1132** | **5058620** | **.** |
| YES | CA | 30.61% | 72 | 528940 | 4.02% |
| | CA-So. | 38.08% | 65 | 401932 | 4.55% |
| | FL | 46.58% | 151 | 769824 | 2.88% |
| | LA | 47.46% | 167 | 217612 | 2.73% |
| | TX | 37.19% | 91 | 453456 | 3.33% |
| | **Total** | **38.94%** | **481** | **1969832** | **1.89%** |
| NO | CA | 68.79% | 138 | 1188631 | 4.03% |
| | CA-So. | 60.94% | 112 | 643107 | 4.55% |
| | FL | 50.86% | 166 | 840676 | 2.89% |
| | LA | 50.74% | 179 | 232637 | 2.73% |
| | TX | 59.66% | 143 | 727535 | 3.38% |
| | **Total** | **59.10%** | **626** | **2989479** | **1.91%** |
| DON'T KNOW | CA | 0.60% | 2 | 10333 | 0.43% |
| | CA-So. | 0.98% | 2 | 10333 | 0.70% |
| | FL | 2.56% | 8 | 42288 | 0.95% |
| | LA | 1.80% | 7 | 8274 | 0.69% |
| | TX | 3.15% | 8 | 38413 | 1.18% |
| | **Total** | **1.96%** | **25** | **99309** | **0.45%** |

Q40_4: Please tell me if you heard or read that message: In a Magazine?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 212 | 1727904 | . |
| | CA-So. | 100.0% | 179 | 1055372 | . |
| | FL | 100.0% | 325 | 1652789 | . |
| | LA | 100.0% | 353 | 458523 | . |
| | TX | 100.0% | 242 | 1219404 | . |
| | **Total** | **100.0%** | **1132** | **5058620** | **.** |
| YES | CA | 34.01% | 74 | 587704 | 4.22% |
| | CA-So. | 32.91% | 62 | 347353 | 4.07% |
| | FL | 32.72% | 107 | 540856 | 2.70% |
| | LA | 26.69% | 93 | 122385 | 2.43% |
| | TX | 41.36% | 98 | 504355 | 3.40% |
| | **Total** | **34.70%** | **372** | **1755300** | **1.89%** |
| NO | CA | 65.79% | 137 | 1136766 | 4.22% |
| | CA-So. | 66.76% | 116 | 704586 | 4.08% |
| | FL | 66.05% | 214 | 1091640 | 2.73% |
| | LA | 71.41% | 252 | 327414 | 2.48% |
| | TX | 57.23% | 139 | 697880 | 3.41% |
| | **Total** | **64.32%** | **742** | **3253700** | **1.90%** |
| DON'T KNOW | CA | 0.20% | 1 | 3434 | 0.20% |
| | CA-So. | 0.33% | 1 | 3434 | 0.33% |
| | FL | 1.23% | 4 | 20293 | 0.65% |
| | LA | 1.90% | 8 | 8723 | 0.68% |
| | TX | 1.41% | 5 | 17170 | 0.65% |
| | **Total** | **0.98%** | **18** | **49620** | **0.28%** |

Q40_5: Please tell me if you heard or read that message: From a Doctor, Nurse or other health professional?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 212 | 1727904 | . |
| | CA-So. | 100.0% | 179 | 1055372 | . |
| | FL | 100.0% | 325 | 1652789 | . |
| | LA | 100.0% | 353 | 458523 | . |
| | TX | 100.0% | 242 | 1219404 | . |
| | **Total** | **100.0%** | **1132** | **5058620** | **.** |
| YES | CA | 26.69% | 59 | 461182 | 3.99% |
| | CA-So. | 30.21% | 52 | 318782 | 4.41% |
| | FL | 22.04% | 74 | 364232 | 2.37% |
| | LA | 22.97% | 80 | 105318 | 2.31% |
| | TX | 25.28% | 64 | 308276 | 2.94% |
| | **Total** | **24.49%** | **277** | **1239008** | **1.74%** |
| NO | CA | 73.31% | 153 | 1266722 | 3.99% |
| | CA-So. | 69.79% | 127 | 736591 | 4.41% |
| | FL | 77.48% | 250 | 1280584 | 2.40% |
| | LA | 76.77% | 272 | 352005 | 2.32% |
| | TX | 73.84% | 176 | 900444 | 2.98% |
| | **Total** | **75.11%** | **851** | **3799755** | **1.74%** |
| DON'T KNOW | FL | 0.48% | 1 | 7973 | 0.48% |
| | LA | 0.26% | 1 | 1200 | 0.26% |
| | TX | 0.88% | 2 | 10684 | 0.67% |
| | **Total** | **0.39%** | **4** | **19856** | **0.23%** |

Q40_6: Please tell me if you heard or read that message: In a Posted Notice in fish market, raw oyster bar, or restaurant menu?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 212 | 1727904 | . |
| | CA-So. | 100.0% | 179 | 1055372 | . |
| | FL | 100.0% | 325 | 1652789 | . |
| | LA | 100.0% | 353 | 458523 | . |
| | TX | 100.0% | 242 | 1219404 | . |
| | **Total** | **100.0%** | **1132** | **5058620** | **.** |
| YES | CA | 42.02% | 96 | 725998 | 4.42% |
| | CA-So. | 30.21% | 52 | 318782 | 4.41% |
| | FL | 49.14% | 158 | 812109 | 2.89% |
| | LA | 47.06% | 164 | 215797 | 2.73% |
| | TX | 37.56% | 88 | 457999 | 3.37% |
| | **Total** | **43.73%** | **506** | **2211903** | **1.97%** |
| NO | CA | 57.98% | 116 | 1001906 | 4.42% |
| | CA-So. | 69.79% | 127 | 736591 | 4.41% |
| | FL | 49.40% | 163 | 816544 | 2.89% |
| | LA | 52.24% | 187 | 239511 | 2.73% |
| | TX | 62.18% | 153 | 758194 | 3.37% |
| | **Total** | **55.67%** | **619** | **2816156** | **1.98%** |
| DON'T KNOW | FL | 1.46% | 4 | 24135 | 0.76% |
| | LA | 0.70% | 2 | 3215 | 0.51% |
| | TX | 0.26% | 1 | 3211 | 0.26% |
| | **Total** | **0.60%** | **7** | **30561** | **0.26%** |

Q40_7: Please tell me if you heard or read that message: From Friends or Family?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 212 | 1727904 | . |
| | CA-So. | 100.0% | 179 | 1055372 | . |
| | FL | 100.0% | 325 | 1652789 | . |
| | LA | 100.0% | 353 | 458523 | . |
| | TX | 100.0% | 242 | 1219404 | . |
| | **Total** | **100.0%** | **1132** | **5058620** | **.** |
| YES | CA | 54.48% | 118 | 941377 | 4.51% |
| | CA-So. | 55.76% | 101 | 588484 | 4.55% |
| | FL | 52.24% | 171 | 863387 | 2.89% |
| | LA | 51.29% | 180 | 235192 | 2.73% |
| | TX | 54.43% | 129 | 663686 | 3.43% |
| | **Total** | **53.45%** | **598** | **2703641** | **2.00%** |
| NO | CA | 45.32% | 93 | 783093 | 4.51% |
| | CA-So. | 43.91% | 77 | 463454 | 4.55% |
| | FL | 46.68% | 151 | 771591 | 2.88% |
| | LA | 48.71% | 173 | 223331 | 2.73% |
| | TX | 45.31% | 112 | 552507 | 3.43% |
| | **Total** | **46.07%** | **529** | **2330521** | **2.00%** |
| DON'T KNOW | CA | 0.20% | 1 | 3434 | 0.20% |
| | CA-So. | 0.33% | 1 | 3434 | 0.33% |
| | FL | 1.08% | 3 | 17812 | 0.64% |
| | TX | 0.26% | 1 | 3211 | 0.26% |
| | **Total** | **0.48%** | **5** | **24457** | **0.23%** |

Q40_8: Please tell me if you heard or read that message: From any other source?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 212 | 1727904 | . |
| | CA-So. | 100.0% | 179 | 1055372 | . |
| | FL | 100.0% | 325 | 1652789 | . |
| | LA | 100.0% | 353 | 458523 | . |
| | TX | 100.0% | 242 | 1219404 | . |
| | **Total** | **100.0%** | **1132** | **5058620** | **.** |
| YES | CA | 18.16% | 33 | 313714 | 3.65% |
| | CA-So. | 14.92% | 25 | 157416 | 3.53% |
| | FL | 9.45% | 29 | 156143 | 1.74% |
| | LA | 9.90% | 34 | 45383 | 1.66% |
| | TX | 11.12% | 29 | 135548 | 2.09% |
| | **Total** | **12.86%** | **125** | **650788** | **1.48%** |
| NO | CA | 81.84% | 179 | 1414190 | 3.65% |
| | CA-So. | 85.08% | 154 | 897956 | 3.53% |
| | FL | 89.82% | 294 | 1484543 | 1.80% |
| | LA | 89.54% | 317 | 410564 | 1.70% |
| | TX | 88.62% | 212 | 1080645 | 2.10% |
| | **Total** | **86.78%** | **1002** | **4389942** | **1.49%** |
| DON'T KNOW | FL | 0.73% | 2 | 12103 | 0.54% |
| | LA | 0.26% | 1 | 1200 | 0.26% |
| | TX | 0.26% | 1 | 3211 | 0.26% |
| | **Total** | **0.33%** | **4** | **16514** | **0.19%** |
| REFUSED | LA | 0.30% | 1 | 1376 | 0.30% |
| | **Total** | **0.03%** | **1** | **1376** | **0.03%** |

Q41: How long has it been since you heard or read that people with liver disease or diabetes can get extremely ill from eating raw oysters?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 195 | 1586945 | . |
| | CA-So. | 100.0% | 166 | 996244 | . |
| | FL | 100.0% | 303 | 1546967 | . |
| | LA | 100.0% | 317 | 410173 | . |
| | TX | 100.0% | 220 | 1124062 | . |
| | **Total** | **100.0%** | **1035** | **4668148** | **.** |
| 6 MONTHS OR LESS | CA | 36.34% | 61 | 576617 | 4.73% |
| | CA-So. | 38.10% | 52 | 379528 | 5.04% |
| | FL | 42.24% | 127 | 653426 | 2.96% |
| | LA | 37.70% | 116 | 154623 | 2.81% |
| | TX | 30.26% | 70 | 340180 | 3.29% |
| | **Total** | **36.95%** | **374** | **1724846** | **2.06%** |
| 7 MONTHS TO ONE YEAR | CA | 14.92% | 26 | 236835 | 3.42% |
| | CA-So. | 12.07% | 20 | 120261 | 2.73% |
| | FL | 14.59% | 43 | 225666 | 2.14% |
| | LA | 14.32% | 47 | 58757 | 1.99% |
| | TX | 15.07% | 34 | 169392 | 2.51% |
| | **Total** | **14.79%** | **150** | **690651** | **1.50%** |
| MORE THAN A YEAR | CA | 39.97% | 87 | 634345 | 4.49% |
| | CA-So. | 38.95% | 74 | 388019 | 4.32% |
| | FL | 34.58% | 108 | 534942 | 2.83% |
| | LA | 39.14% | 125 | 160543 | 2.81% |
| | TX | 46.15% | 99 | 518728 | 3.62% |
| | **Total** | **39.60%** | **419** | **1848559** | **2.01%** |
| DON'T KNOW | CA | 8.55% | 20 | 135713 | 2.44% |
| | CA-So. | 10.54% | 19 | 105002 | 2.51% |
| | FL | 8.59% | 25 | 132933 | 1.71% |
| | LA | 8.84% | 29 | 36249 | 1.61% |
| | TX | 8.52% | 17 | 95763 | 2.12% |

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| | **Total** | **8.58%** | **91** | **400659** | **1.14%** |
| REFUSED | CA | 0.22% | 1 | 3434 | 0.22% |
| | CA-So. | 0.34% | 1 | 3434 | 0.35% |
| | **Total** | **0.07%** | **1** | **3434** | **0.07%** |

Q42_1: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Avoid or eat fewer oysters in the summer months.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 1.98% | 5 | 54893 | 1.05% |
| | CA-So. | 1.83% | 4 | 30917 | 1.01% |
| | FL | 5.29% | 19 | 98104 | 1.22% |
| | LA | 2.06% | 8 | 10250 | 0.74% |
| | TX | 5.93% | 20 | 99111 | 1.41% |
| | **Total** | **3.86%** | **52** | **262358** | **0.65%** |
| NO | CA | 98.02% | 343 | 2716464 | 1.05% |
| | CA-So. | 98.17% | 288 | 1661299 | 1.01% |
| | FL | 94.71% | 345 | 1757559 | 1.22% |
| | LA | 97.94% | 372 | 487639 | 0.74% |
| | TX | 94.07% | 307 | 1570851 | 1.41% |
| | **Total** | **96.14%** | **1367** | **6532514** | **0.65%** |

Q42_2: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Avoid or eat fewer oysters in the months without an "R".

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 1.05% | 4 | 29136 | 0.69% |
| | CA-So. | 0.66% | 3 | 11240 | 0.39% |
| | FL | 4.46% | 17 | 82850 | 1.09% |
| | LA | 3.81% | 14 | 18979 | 1.03% |
| | TX | 3.34% | 11 | 55792 | 1.12% |
| | **Total** | **2.75%** | **46** | **186757** | **0.50%** |
| NO | CA | 98.95% | 344 | 2742221 | 0.69% |
| | CA-So. | 99.34% | 289 | 1680975 | 0.39% |
| | FL | 95.54% | 347 | 1772814 | 1.09% |
| | LA | 96.19% | 366 | 478910 | 1.03% |
| | TX | 96.66% | 316 | 1614170 | 1.12% |
| | **Total** | **97.25%** | **1373** | **6608115** | **0.50%** |

Q42_3: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Avoid oysters from polluted waters or from places where outbreaks have recently occurred.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 1.36% | 5 | 37703 | 0.75% |
| | CA-So. | 1.17% | 4 | 19807 | 0.62% |
| | FL | 1.50% | 5 | 27846 | 0.69% |
| | LA | 1.75% | 7 | 8720 | 0.67% |
| | TX | 2.70% | 9 | 45125 | 0.97% |
| | **Total** | **1.76%** | **26** | **119393** | **0.43%** |
| NO | CA | 98.64% | 343 | 2733655 | 0.75% |
| | CA-So. | 98.83% | 288 | 1672409 | 0.62% |
| | FL | 98.50% | 359 | 1827818 | 0.69% |
| | LA | 98.25% | 373 | 489169 | 0.67% |
| | TX | 97.30% | 318 | 1624837 | 0.97% |
| | **Total** | **98.24%** | **1393** | **6675479** | **0.43%** |

Q42_4: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Choose retail markets carefully.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 4.29% | 12 | 119019 | 1.59% |
| | CA-So. | 2.15% | 8 | 36461 | 0.80% |
| | FL | 3.44% | 12 | 63881 | 1.02% |
| | LA | 2.78% | 12 | 13835 | 0.80% |
| | TX | 6.62% | 19 | 110564 | 1.57% |
| | **Total** | **4.52%** | **55** | **307300** | **0.81%** |
| NO | CA | 95.71% | 336 | 2652338 | 1.59% |
| | CA-So. | 97.85% | 284 | 1655754 | 0.80% |
| | FL | 96.56% | 352 | 1791782 | 1.02% |
| | LA | 97.22% | 368 | 484054 | 0.80% |
| | TX | 93.38% | 308 | 1559398 | 1.57% |
| | **Total** | **95.48%** | **1364** | **6487573** | **0.81%** |

Q42_5: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Choose restaurants carefully.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 11.53% | 46 | 319497 | 2.02% |
| | CA-So. | 12.16% | 40 | 205799 | 1.99% |
| | FL | 8.36% | 28 | 155141 | 1.57% |
| | LA | 6.13% | 25 | 30525 | 1.22% |
| | TX | 10.39% | 30 | 173508 | 1.90% |
| | **Total** | **9.99%** | **129** | **678671** | **1.04%** |
| NO | CA | 88.47% | 302 | 2451861 | 2.02% |
| | CA-So. | 87.84% | 252 | 1486416 | 1.99% |
| | FL | 91.64% | 336 | 1700523 | 1.57% |
| | LA | 93.87% | 355 | 467364 | 1.22% |
| | TX | 89.61% | 297 | 1496454 | 1.90% |
| | **Total** | **90.01%** | **1290** | **6116201** | **1.04%** |

Q42_6: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Check the way oysters look or smell?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 6.58% | 24 | 182476 | 1.71% |
| | CA-So. | 5.90% | 20 | 99918 | 1.37% |
| | FL | 10.41% | 36 | 193195 | 1.70% |
| | LA | 5.35% | 20 | 26653 | 1.19% |
| | TX | 6.04% | 20 | 100944 | 1.43% |
| | **Total** | **7.41%** | **100** | **503267** | **0.92%** |
| NO | CA | 93.42% | 324 | 2588882 | 1.71% |
| | CA-So. | 94.10% | 272 | 1592298 | 1.37% |
| | FL | 89.59% | 328 | 1662469 | 1.70% |
| | LA | 94.65% | 360 | 471236 | 1.19% |
| | TX | 93.96% | 307 | 1569018 | 1.43% |
| | **Total** | **92.59%** | **1319** | **6291605** | **0.92%** |

Q42_7: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Buy only oysters with closed shell.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 0.86% | 2 | 23831 | 0.68% |
| | CA-So. | 0.35% | 1 | 5935 | 0.35% |
| | FL | 0.98% | 4 | 18099 | 0.49% |
| | LA | 0.45% | 2 | 2249 | 0.32% |
| | TX | 2.00% | 7 | 33344 | 0.82% |
| | **Total** | **1.14%** | **15** | **77523** | **0.37%** |
| NO | CA | 99.14% | 346 | 2747527 | 0.68% |
| | CA-So. | 99.65% | 291 | 1686281 | 0.35% |
| | FL | 99.02% | 360 | 1837564 | 0.49% |
| | LA | 99.55% | 378 | 495640 | 0.32% |
| | TX | 98.00% | 320 | 1636618 | 0.82% |
| | **Total** | **98.86%** | **1404** | **6717349** | **0.37%** |

Q42_8: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Eat oysters with Tabasco sauce.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 7.71% | 26 | 213796 | 1.89% |
| | CA-So. | 8.28% | 22 | 140056 | 2.21% |
| | FL | 6.35% | 21 | 117806 | 1.39% |
| | LA | 8.15% | 32 | 40577 | 1.42% |
| | TX | 7.19% | 23 | 120109 | 1.54% |
| | **Total** | **7.24%** | **102** | **492288** | **0.94%** |
| NO | CA | 92.29% | 322 | 2557562 | 1.89% |
| | CA-So. | 91.72% | 270 | 1552160 | 2.21 |
| | FL | 93.65% | 343 | 1737858 | 1.39% |
| | LA | 91.85% | 348 | 457312 | 1.42% |
| | TX | 92.81% | 304 | 1549853 | 1.54% |
| | **Total** | **92.76%** | **1317** | **6302584** | **0.94%** |

Q42_9: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Eat oysters while drinking alcoholic beverage.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 8.82% | 22 | 244437 | 2.27% |
| | CA-So. | 9.96% | 18 | 168614 | 2.97% |
| | FL | 3.68% | 13 | 68197 | 1.04% |
| | LA | 3.89% | 15 | 19380 | 1.00% |
| | TX | 4.55% | 15 | 76037 | 1.22% |
| | **Total** | **6.01%** | **65** | **408051** | **1.03%** |
| NO | CA | 91.18% | 326 | 2526920 | 2.27% |
| | CA-So. | 90.04% | 274 | 1523601 | 2.97% |
| | FL | 96.32% | 351 | 1787467 | 1.04% |
| | LA | 96.11% | 365 | 478509 | 1.00% |
| | TX | 95.45% | 312 | 1593926 | 1.22% |
| | **Total** | **93.99%** | **1354** | **6386821** | **1.03%** |

Q42_10: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Don't eat them/stopped eating raw oysters.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 1.02% | 2 | 28375 | 0.87% |
| | CA-So. | 0.26% | 1 | 4399 | 0.26% |
| | FL | 1.83% | 8 | 34000 | 0.66% |
| | LA | 1.00% | 4 | 4970 | 0.52% |
| | TX | 0.15% | 1 | 2525 | 0.15% |
| | **Total** | **1.03%** | **15** | **69871** | **0.40%** |
| NO | CA | 98.98% | 346 | 2742982 | 0.87% |
| | CA-So. | 99.74% | 291 | 1687817 | 0.26% |
| | FL | 98.17% | 356 | 1821664 | 0.66% |
| | LA | 99.00% | 376 | 492918 | 0.52% |
| | TX | 99.85% | 326 | 1667437 | 0.15% |
| | **Total** | **98.97%** | **1404** | **6725002** | **0.40%** |

Q42_11: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Cook them.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 5.47% | 16 | 151706 | 1.72% |
| | CA-So. | 3.85% | 12 | 65150 | 1.16% |
| | FL | 3.62% | 13 | 67173 | 1.01% |
| | LA | 2.54% | 8 | 12622 | 0.91% |
| | TX | 1.67% | 5 | 27935 | 0.81% |
| | **Total** | **3.82%** | **42** | **259436** | **0.79%** |
| NO | CA | 94.53% | 332 | 2619652 | 1.72% |
| | CA-So. | 96.15% | 280 | 1627066 | 1.16% |
| | FL | 96.38% | 351 | 1788490 | 1.01% |
| | LA | 97.46% | 372 | 485267 | 0.91% |
| | TX | 98.33% | 322 | 1642027 | 0.81% |
| | **Total** | **96.18%** | **1377** | **6535436** | **0.79%** |

Q42_12: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Eat less often.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | Total | 100.0% | 1419 | 6794872 | . |
| YES | CA | 2.88% | 7 | 79926 | 1.37% |
| | CA-So. | 1.16% | 4 | 19677 | 0.59% |
| | FL | 0.80% | 4 | 14801 | 0.40% |
| | LA | 1.09% | 5 | 5411 | 0.49% |
| | TX | 1.25% | 4 | 20905 | 0.69% |
| | Total | 1.78% | 20 | 121043 | 0.60% |
| NO | CA | 97.12% | 341 | 2691431 | 1.37% |
| | CA-So. | 98.84% | 288 | 1672539 | 0.59% |
| | FL | 99.20% | 360 | 1840863 | 0.40% |
| | LA | 98.91% | 375 | 492478 | 0.49% |
| | TX | 98.75% | 323 | 1649058 | 0.69% |
| | Total | 98.22% | 1399 | 6673829 | 0.60% |

Q42_13: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? Other.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 15.32% | 59 | 424660 | 2.40% |
| | CA-So. | 15.51% | 51 | 262528 | 2.24% |
| | FL | 18.73% | 70 | 347499 | 2.10% |
| | LA | 17.25% | 67 | 85868 | 1.98% |
| | TX | 17.75% | 58 | 296443 | 2.24% |
| | **Total** | **16.99%** | **254** | **1154470** | **1.27%** |
| NO | CA | 84.68% | 289 | 2346698 | 2.40% |
| | CA-So. | 84.49% | 241 | 1429688 | 2.24% |
| | FL | 81.27% | 294 | 1508164 | 2.10% |
| | LA | 82.75% | 313 | 412021 | 1.98% |
| | TX | 82.25% | 269 | 1373519 | 2.24% |
| | **Total** | **83.01%** | **1165** | **5640402** | **1.27%** |

Q42_14: When you eat raw oysters, what steps have you taken, if any, to reduce your health risks related to eating them RAW? None/I have done nothing.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 348 | 2771358 | . |
| | CA-So. | 100.0% | 292 | 1692216 | . |
| | FL | 100.0% | 364 | 1855664 | . |
| | LA | 100.0% | 380 | 497889 | . |
| | TX | 100.0% | 327 | 1669962 | . |
| | **Total** | **100.0%** | **1419** | **6794872** | **.** |
| YES | CA | 45.49% | 160 | 1260572 | 3.45% |
| | CA-So. | 46.16% | 134 | 781043 | 3.55% |
| | FL | 42.42% | 155 | 787107 | 2.69% |
| | LA | 55.16% | 205 | 274638 | 2.62% |
| | TX | 46.14% | 153 | 770509 | 2.96% |
| | **Total** | **45.52%** | **673** | **3092825** | **1.76%** |
| NO | CA | 54.51% | 188 | 1510786 | 3.45% |
| | CA-So. | 53.84% | 158 | 911173 | 3.55% |
| | FL | 57.58% | 209 | 1068557 | 2.69% |
| | LA | 44.84% | 175 | 223251 | 2.62% |
| | TX | 53.86% | 174 | 899453 | 2.96% |
| | **Total** | **54.48%** | **746** | **3702047** | **1.76%** |

Q45/Q50: What is your age?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| Less than 30 | CA | 25.52% | 124 | 1085492 | 2.58% |
| | CA-So. | 28.52% | 105 | 695105 | 2.90% |
| | FL | 18.65% | 90 | 476799 | 1.83% |
| | LA | 15.43% | 77 | 101213 | 1.67% |
| | TX | 17.74% | 84 | 454694 | 1.87% |
| | **Total** | **21.12%** | **375** | **2118198** | **1.29%** |
| 30 to 44 | CA | 36.96% | 189 | 1571938 | 2.78% |
| | CA-So. | 35.90% | 152 | 874737 | 2.84% |
| | FL | 29.02% | 143 | 741781 | 2.12% |
| | LA | 29.10% | 141 | 190834 | 2.10% |
| | TX | 36.14% | 175 | 926434 | 2.32% |
| | **Total** | **34.21%** | **648** | **3430987** | **1.43%** |
| 45 to 64 | CA | 29.39% | 143 | 1250226 | 2.66% |
| | CA-So. | 27.79% | 115 | 377274 | 2.65% |
| | FL | 34.26% | 175 | 875715 | 2.20% |
| | LA | 38.91% | 194 | 255165 | 2.23% |
| | TX | 36.28% | 185 | 930150 | 2.29% |
| | **Total** | **33.02%** | **697** | **3311255** | **1.40%** |
| 65 plus | CA | 6.76% | 37 | 287679 | 1.44% |
| | CA-So. | 6.71% | 31 | 163421 | 1.38% |
| | FL | 16.45% | 82 | 420341 | 1.74% |
| | LA | 14.63% | 83 | 95947 | 1.53% |
| | TX | 8.27% | 48 | 211954 | 1.25% |
| | **Total** | **10.13%** | **250** | **1015921** | **0.83%** |

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Don't Know | CA | 1.26% | 6 | 53783 | 0.59% |
| | CA-So. | 0.90% | 4 | 21915 | 0.47% |
| | FL | 0.79% | 5 | 20101 | 0.36% |
| | LA | 1.06% | 7 | 6963 | 0.40% |
| | TX | 0.98% | 5 | 25142 | 0.45% |
| | **Total** | **1.06%** | **23** | **105988** | **0.29%** |
| Refused | CA | 0.10% | 1 | 4399 | 0.10% |
| | CA-So. | 0.18% | 1 | 4399 | 0.18% |
| | FL | 0.83% | 5 | 21299 | 0.38% |
| | LA | 0.87% | 4 | 5721 | 0.44% |
| | TX | 0.60% | 3 | 15274 | 0.40% |
| | **Total** | **0.47%** | **13** | **46692** | **0.15%** |

Q55: Gender.

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| MALE | CA | 56.87% | 280 | 2419082 | 2.86% |
| | CA-So. | 60.95% | 237 | 1485181 | 2.93% |
| | FL | 54.48% | 253 | 1392581 | 2.30% |
| | LA | 52.28% | 250 | 342851 | 2.28% |
| | TX | 57.96% | 269 | 1485810 | 2.33% |
| | **Total** | **56.24%** | **1052** | **5640324** | **1.48%** |
| FEMALE | CA | 43.13% | 220 | 1834434 | 2.86% |
| | CA-So. | 39.05% | 171 | 951670 | 2.93% |
| | FL | 45.21% | 246 | 1155481 | 2.30% |
| | LA | 47.72% | 256 | 312992 | 2.28% |
| | TX | 42.04% | 231 | 1077837 | 2.33% |
| | **Total** | **43.68%** | **953** | **4380744** | **1.48%** |
| DON'T KNOW | FL | 0.31% | 1 | 7973 | 0.31% |
| | **Total** | **0.08%** | **1** | **7973** | **0.08%** |

Q60: Which racial or ethnic background best describes you?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| WHITE (CAUCASIAN) | CA | 57.03% | 277 | 2425989 | 2.87% |
| | CA-So. | 53.58% | 2119 | 1305709 | 3.01% |
| | FL | 80.49% | 407 | 2057465 | 1.88% |
| | LA | 84.52% | 432 | 554312 | 1.70% |
| | TX | 68.35% | 341 | 1752244 | 2.22% |
| | **Total** | **67.70%** | **1457** | **6790010** | **1.44%** |
| BLACK (AFRICAN-AMERICAN) | CA | 6.01% | 29 | 255469 | 1.43% |
| | CA-So. | 5.01% | 23 | 122147 | 1.09% |
| | FL | 8.33% | 38 | 213014 | 1.34% |
| | LA | 9.84% | 48 | 64567 | 1.39% |
| | TX | 4.96% | 26 | 127159 | 0.99% |
| | **Total** | **6.58%** | **141** | **660209** | **0.75%** |
| ASIAN OR PACIFIC ISLANDER | CA | 8.45% | 47 | 359612 | 1.49% |
| | CA-So. | 9.07% | 40 | 221136 | 1.46% |
| | FL | 1.43% | 6 | 36608 | 0.60% |
| | LA | 1.02% | 4 | 6703 | 0.52% |
| | TX | 3.19% | 14 | 81790 | 0.86% |
| | **Total** | **4.83%** | **71** | **484713** | **0.69%** |
| AMERICAN INDIAN OR ALASKAN NATIVE | CA | 1.66% | 12 | 70704 | 0.58% |
| | CA-So. | 2.17% | 11 | 52808 | 0.69% |
| | FL | 1.41% | 7 | 35926 | 0.54% |
| | LA | 0.57% | 3 | 3736 | 0.33% |
| | TX | 2.32% | 10 | 59403 | 0.76% |
| | **Total** | **1.69%** | **32** | **169769** | **0.34%** |

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| OTHER | CA | 22.52% | 113 | 957800 | 2.48% |
| | CA-So. | 25.47% | 97 | 620676 | 2.80% |
| | FL | 6.75% | 33 | 172575 | 1.17% |
| | LA | 2.18% | 11 | 14307 | 0.67% |
| | TX | 19.80% | 101 | 507645 | 1.90% |
| | **Total** | **16.48%** | **258** | **1652327** | **1.21%** |
| DON'T KNOW | CA | 0.46% | 3 | 19602 | 0.27% |
| | CA-So. | 0.80% | 3 | 19602 | 0.48% |
| | TX | 0.29% | 2 | 7462 | 0.21% |
| | **Total** | **0.27%** | **5** | **27063** | **0.13%** |
| REFUSED | CA | 3.86% | 19 | 164340 | 1.10% |
| | CA-So. | 3.89% | 15 | 94772 | 1.25% |
| | FL | 1.58% | 9 | 40448 | 0.56% |
| | LA | 1.86% | 8 | 12218 | 0.66% |
| | TX | 1.09% | 6 | 27944 | 0.46% |
| | **Total** | **2.44%** | **42** | **244949** | **0.50%** |

Q65: Are you of Spanish or Hispanic origin?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| YES | CA | 30.08% | 161 | 1279595 | 2.61% |
| | CA-So. | 36.39% | 140 | 886721 | 2.99% |
| | FL | 12.47% | 57 | 318631 | 1.60% |
| | LA | 8.41% | 43 | 55161 | 1.26% |
| | TX | 29.16% | 149 | 747449 | 2.18% |
| | **Total** | **23.94%** | **410** | **2400836** | **1.30%** |
| NO | CA | 67.47% | 330 | 2869961 | 2.69% |
| | CA-So. | 62.64% | 263 | 1526473 | 3.00% |
| | FL | 86.47% | 437 | 2210191 | 1.64% |
| | LA | 90.32% | 457 | 592369 | 1.35% |
| | TX | 70.55% | 349 | 1808736 | 2.18% |
| | **Total** | **74.60%** | **1573** | **7481257** | **1.34%** |
| DON'T KNOW | CA | 0.79% | 2 | 33573 | 0.72% |
| | CA-So. | 0.12% | 1 | 2861 | 0.12% |
| | LA | 0.34% | 2 | 2249 | 0.25% |
| | TX | 0.13% | 1 | 3211 | 0.13% |
| | **Total** | **0.39%** | **5** | **39034** | **0.31%** |
| REFUSED | CA | 1.65% | 7 | 70386 | 0.75% |
| | CA-So. | 0.85% | 4 | 20796 | 0.45% |
| | FL | 1.06% | 6 | 27214 | 0.46% |
| | LA | 0.92% | 4 | 6064 | 0.47% |
| | TX | 0.17% | 1 | 4250 | 0.17% |
| | **Total** | **1.08%** | **18** | **107914** | **0.34%** |

Q70: Has a doctor ever told you that you have liver disease, such as hepatitis, cirrhosis, or liver cancer?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| YES | CA | 3.07% | 19 | 130775 | 0.86% |
| | CA-So. | 2.86% | 15 | 69617 | 0.77% |
| | FL | 3.77% | 19 | 96239 | 0.89% |
| | LA | 3.84% | 19 | 25175 | 0.89% |
| | TX | 5.33% | 27 | 136563 | 1.06% |
| | **Total** | **3.88%** | **84** | **388751** | **0.51%** |
| NO | CA | 95.91% | 476 | 4079635 | 1.04% |
| | CA-So. | 96.36% | 389 | 2348105 | 0.87% |
| | FL | 95.87% | 479 | 2450366 | 0.93% |
| | LA | 95.98% | 486 | 629469 | 0.91% |
| | TX | 94.55% | 472 | 2423839 | 1.07% |
| | **Total** | **95.56%** | **1913** | **9583309** | **0.57%** |
| DON'T KNOW | CA | 0.14% | 1 | 5935 | 0.14% |
| | CA-So. | 0.24% | 1 | 5935 | 0.24% |
| | **Total** | **0.06%** | **1** | **5935** | **0.06%** |
| REFUSED | CA | 0.87% | 4 | 37171 | 0.59% |
| | CA-So. | 0.54% | 3 | 13195 | 0.33% |
| | FL | 0.37% | 2 | 9430 | 0.26% |
| | LA | 0.18% | 1 | 1200 | 0.18% |
| | TX | 0.13% | 1 | 3244 | 0.13% |
| | **Total** | **0.51%** | **8** | **51046** | **0.26%** |

Q75: Has a doctor ever told you that you have diabetes?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| YES | CA | 7.12% | 34 | 303031 | 1.52% |
| | CA-So. | 7.75% | 28 | 188779 | 1.78% |
| | FL | 6.66% | 33 | 170144 | 1.17% |
| | LA | 8.44% | 45 | 55380 | 1.23% |
| | TX | 8.84% | 51 | 226613 | 1.28% |
| | **Total** | **7.53%** | **163** | **755168** | **0.79%** |
| NO | CA | 92.00% | 462 | 3913314 | 1.61% |
| | CA-So. | 91.71% | 377 | 2234877 | 1.80% |
| | FL | 92.97% | 465 | 2376461 | 1.19% |
| | LA | 91.03% | 458 | 597014 | 1.26% |
| | TX | 90.66% | 447 | 2324285 | 1.33% |
| | **Total** | **91.84%** | **1832** | **9211074** | **0.83%** |
| DON'T KNOW | LA | 0.34% | 2 | 2249 | 0.25% |
| | TX | 0.37% | 1 | 9504 | 0.37% |
| | **Total** | **0.12%** | **3** | **11753** | **0.10%** |
| REFUSED | CA | 0.87% | 4 | 37171 | 0.59% |
| | CA-So. | 0.54% | 3 | 13195 | 0.33% |
| | FL | 0.37% | 2 | 9430 | 0.26% |
| | LA | 0.18% | 1 | 1200 | 0.18% |
| | TX | 0.13% | 1 | 3244 | 0.13% |
| | **Total** | **0.51%** | **8** | **51046** | **0.26%** |

Q80: Has a doctor ever told you that you have a weakened immune system?

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | CA-So. | 100.0% | 408 | 2436851 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| YES | CA | 4.73% | 27 | 201258 | 1.13% |
| | CA-So. | 4.41% | 22 | 107539 | 0.99% |
| | FL | 6.33% | 33 | 161733 | 1.12% |
| | LA | 4.72% | 24 | 30964 | 0.97% |
| | TX | 5.99% | 32 | 153627 | 1.08% |
| | **Total** | **5.46%** | **116** | **547583** | **0.63%** |
| NO | CA | 94.22% | 468 | 4007485 | 1.28% |
| | CA-So. | 94.73% | 382 | 2308515 | 1.08% |
| | FL | 93.30% | 465 | 2384872 | 1.15% |
| | LA | 95.10% | 481 | 623679 | 0.98% |
| | TX | 93.50% | 465 | 2396965 | 1.12% |
| | **Total** | **93.86%** | **1879** | **9413000** | **0.68%** |
| DON'T KNOW | CA | 0.18% | 1 | 7602 | 0.18% |
| | CA-So. | 0.31% | 1 | 7602 | 0.31% |
| | TX | 0.38% | 2 | 9810 | 0.27% |
| | **Total** | **0.17%** | **3** | **17412** | **0.10%** |
| REFUSED | CA | 0.87% | 4 | 37171 | 0.59% |
| | CA-So. | 0.54% | 3 | 13195 | 0.33% |
| | FL | 0.37% | 2 | 9430 | 0.26% |
| | LA | 0.18% | 1 | 1200 | 0.18% |
| | TX | 0.13% | 1 | 3244 | 0.13% |
| | **Total** | **0.51%** | **8** | **51046** | **0.26%** |

At-Risk Respondents from all 4 states:

| Response | State | % | n | N | SE+/-% |
|---|---|---|---|---|---|
| Total | CA | 100.0% | 500 | 4253516 | . |
| | FL | 100.0% | 500 | 2556035 | . |
| | LA | 100.0% | 506 | 655843 | . |
| | TX | 100.0% | 500 | 2563646 | . |
| | **Total** | **100.0%** | **2006** | **10029041** | **.** |
| YES | CA | 12.13% | 66 | 516136 | 1.84% |
| | FL | 15.46% | 77 | 395161 | 1.70% |
| | LA | 14.61% | 76 | 95788 | 1.59% |
| | TX | 14.83% | 84 | 380099 | 1.61% |
| | **Total** | **13.83%** | **303** | **1387185** | **0.99%** |
| NO | CA | 87.87% | 434 | 3737380 | 1.84% |
| | FL | 84.54% | 423 | 2160874 | 1.70% |
| | LA | 85.39% | 430 | 560055 | 1.59% |
| | TX | 85.17% | 416 | 2183547 | 1.61% |
| | **Total** | **86.17%** | **1703** | **8641856** | **0.99%** |