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# **Oregon Progress Board**

## **2002 Oregon Population Survey**

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January 2003

Technical Methodology Report



**Submitted by: Northwest Research Group, Inc.**

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## Introduction

This report describes the design and methods that Northwest Research Group, Inc. used to conduct the 2002 Oregon Population Survey for the Oregon Progress Board. Included are sections on questionnaire and sampling design; data collection, data cleaning, and coding; quality assurance practices; data weighting and other relevant factors concerning the implementation of this study.

## Background and Objectives

In July 2002, the Oregon Progress Board, an independent state planning and oversight agency in the Oregon State Economic Development Department, contracted with Northwest Research Group, Inc. to conduct the biennial Oregon Population Survey with assistance from the Oregon Population Survey Task Force. This ongoing survey research project, first conducted in 1990, collects current, reliable, and representative data from Oregon residents on a variety of demographic, socioeconomic, and community-based satisfaction topics.

## Methodology

This research consisted of three components:

- A base survey, in which all households in Oregon with telephones had an equal chance of being included. In the base survey, a total of 3,668 Oregon households were interviewed. A minimum of 400 interviews were completed in each of nine regions. The number of interviews per county was determined by ascertaining the proportion of that county's population as compared to the population of the entire region.
- An ethnic / racial extension, which consisted of the same questionnaire as the base survey, but only included members of specific racial and ethnic groups. A total of 400 interviews were completed in each of four ethnic and racial subgroups: Hispanic, Native American, Asian-American, and African-American.
- A supplemental survey in which a portion of the base survey respondents were recontacted to complete an additional survey. A total of 800 supplemental surveys were completed. Sample quotas were proportional, by county, within the group of respondents who agree to be recontacted for the supplemental survey. Again all counties in Oregon were included in the sample.

Northwest Research Group performed the following services:

- Questionnaire consultation,
- Sample design and management,
- Data collection,
- Data preparation,
- Tabulation, and
- Presentation of summary data.

## Questionnaire

### Development

Northwest Research Group (hereinafter NWRG) worked with the Oregon Progress Board to fine tune and make necessary adjustments to the survey instrument while still maintaining consistency from previous years' studies to ensure compatibility and comparability of data. Several questions were deleted, reworded, or reordered. Several questions were also added. Appendices A and B contain the survey instrumentation. Changes made to the questionnaire are detailed in Appendix C.

The questionnaire used a closed-end, single and multiple response question format. In those situations where all possible responses were not known, an "other" category was included.

### Screeners

- Trained interviewers screened respondents to ensure that they met the definition of a qualified respondent.
- A qualified respondent was defined as:
  - Householder 18 years of age or older, and who
  - Had the last birthday.

### Content

The survey instrument contains the following major sections:

- Introduction / Screener
- Warm-Up Questions – Attitudes Toward Oregon
- Work / Employment Status
- Commuting / Telecommuting
- Occupational Illness / Worker's Compensation
- Health Insurance Coverage
- Dental Care / Coverage
- Respondent / Relative Disabilities
- Childcare
- Respondent Demographics
- Household Member Demographics
- Special Topics – Oregon Lottery, Library Use, Volunteerism, Union Membership, Etc.

The survey averaged 21.3 minutes with a standard deviation of 5.9 minutes.

A Spanish language version of the questionnaire was also prepared. As interviewers encountered Spanish speakers, they inquired of the respondent if they would prefer to complete the survey in Spanish. If they did, the call was immediately transferred to one of

NWRG's specially trained Spanish language interviewers. In all, 172 Spanish language interviews were completed.

## Sampling

### Sampling Frame

Sample was purchased from Survey Sampling, Inc., a national sampling company. Sample was divided by region and purchased equally for all nine regions, see table below. Sample was allocated proportionally within each region by county. Sample replicates were not used by NWRG.

Region	Counties
1	Clackamas, Multnomah, Washington
2	Clatsop, Columbia, Tillamook
3	Marion, Polk, Yamhill
4	Benton, Lane, Lincoln, Linn
5	Coos, Curry, Douglas, Jackson, Josephine
6	Gilliam, Hood River, Sherman, Wasco, Wheeler
7	Crook, Deschutes, Jefferson
8	Klamath, Lake
9	Baker, Grant, Harney, Malheur, Morrow, Umatilla, Union, Wallowa

Sample was derived using the random digit dial (RDD) technique. This method ensures that the sample is representative of the entire "telephone household" populations, including those with new and unlisted numbers, not just those who are listed in telephone directories or other published sources. The person in the household to be surveyed was selected randomly, using the "last birthday" method. This method is widely accepted in the research community as a method of respondent selection, which minimizes selection bias.

### Sample Representation of Population

The data were weighted to more accurately reflect the actual population. The weighting process used by NWRG for the 2002 Oregon Population Survey differed from previous years.

Probability sampling assumes that each household has a known and equal probability of selection. In telephone surveys today, all households do not have an equal probability of selection. Weighting adjusts for the probability of not being selected resulting from multiple telephone lines in the household, households without telephones, and number of adults in the household.

Post-stratification weighting adjusts the sample so that the distribution of the sample reflects the target population. Household weighting adjusts for the number of single-person versus multiple-person households and for primary racial / ethnic makeup of the household. Respondent weighting adjusts for distribution of age within gender and for race / ethnicity. All post-stratification weighting was done at the regional level. For a more in-depth discussion of the weighting process, see Appendix D.

### Sample Disposition

- Effective Study Incidence = 94%. (Qualified Respondents<sup>(1)</sup> / [Qualified Respondents<sup>(1)</sup> + Unqualified Respondents<sup>(2)</sup> ] )
- Response Rate = 23%. ([Completed Interviews<sup>(6)</sup> + Unqualified Respondents<sup>(2)</sup> + Respondents Terminated<sup>(3)</sup> + Respondents Refused<sup>(4)</sup> + Callback Interviews<sup>(7)</sup> + Mid-Terminated Interviews<sup>(8)</sup>] / [(Attempted Sample - Numbers No Longer Available<sup>(5)</sup>])
- Cooperation Rate = 44%. ([Qualified Respondents<sup>(1)</sup> + Unqualified Respondents<sup>(2)</sup> + Respondents Terminated<sup>(3)</sup> - Mid-Terminated Interviews<sup>(8)</sup>] / [Qualified Respondents<sup>(1)</sup> + Unqualified Respondents<sup>(2)</sup> + Respondents Terminated<sup>(3)</sup> + Respondents Refused<sup>(4)</sup>])
- Completion Rate = 8.5%. (Completed Interviews<sup>(6)</sup> / [Attempted Sample - Numbers No Longer Available<sup>(5)</sup>])

Sample disposition reports for each region of the study have been included in Appendix F.

<b>Final Sample Disposition Report – Total Base</b>		
<u>Disposition</u>	<u>Total Sample</u>	<u>% Of Sample</u>
No Answer	5,839	9.1%
Busy	1,726	2.7
Answering Machine	2,692	4.2
Non-working <sup>(5)</sup>	38,358	59.8
Initial Refusal <sup>(4)</sup>	3,303	5.1
Final Refusal <sup>(4)</sup>	1,691	2.6
Never Call <sup>(4)</sup>	176	0.3
Screener Refusal <sup>(4)</sup>	25	0.0
Communication Barrier <sup>(3)</sup>	273	0.4
Language Barrier (Non-Spanish Only) <sup>(3)</sup>	111	0.2
Callback Introduction	1,069	1.7
Spanish Speaker	0	0.0
Business <sup>(5)</sup>	4,580	7.1
Interview In Progress <sup>(1) (7)</sup>	165	0.3
Mid-Terminate <sup>(1) (8)</sup>	241	0.4
No Head of HH / No One Over 18 <sup>(2)</sup>	129	0.2
Out of Area <sup>(2)</sup>	60	0.1
OQ - Region 1 <sup>(2)</sup>	0	0.0
OQ - Region 2 <sup>(2)</sup>	0	0.0
OQ - Region 3 <sup>(2)</sup>	23	0.0
OQ - Region 4 <sup>(2)</sup>	34	0.1
OQ - Region 5 <sup>(2)</sup>	15	0.0
OQ - Region 6 <sup>(2)</sup>	0	0.0
OQ - Region 7 <sup>(2)</sup>	11	0.0
OQ - Region 8 <sup>(2)</sup>	0	0.0
OQ - Region 9 <sup>(2)</sup>	2	0.0
Complete Interview <sup>(1) (6)</sup>	3,667	5.7
<b>Sample attempted <sup>(5)</sup></b>	<b>64,190</b>	<b>100.0</b>

## Data Collection

### Sample Maintenance

All sampling and call management, including scheduling of callbacks, call dispositions, quota controls, etc. was handled by NWRG's Ci3 CATI (computer-assisted telephone interviewing) networked system.

In addition to the survey administration, Ci3 CATI managed calling, quota control and callbacks; monitored call dispositions; consolidated data; and tracked interviewer productivity throughout the study. At the beginning of the study the sample information was entered into the computer and each phone number was assigned a sample number. Ci3 CATI tracked the sample number throughout the project. Ci3 CATI runs on a local area network (LAN) to allow information exchange and to coordinate activities among workstations.

The benefits of Ci3 CATI are numerous:

- Questionnaires are administered appropriately, skip patterns are executed exactly as intended, answers are within range and constant sum questions add up correctly.
- Answers are entered directly into the computer, keypunching is eliminated and data analysis can start immediately.
- The computer handles call record keeping automatically, allowing the interview facility to operate more efficiently.
- Callbacks are handled by the computer and made according to schedule.

NWRG employed the following methods of contact and dialing protocol:

- Numbers, which had scheduled callbacks, were given precedence in the sample.
- For each number dialed, interviewers reviewed a complete call history that detailed the number of attempts made to a particular number and the status of the last attempt.
- Busy numbers were kept in the active queue and retried within 10 minutes of the first dialing.
- Numbers with a respondent "no answer" or with an answering machine were returned to the sample to be tried at a later time. These numbers were returned randomly at different days and times. Up to five callbacks were made on different days and at different times to reduce bias resulting from non-response due to respondent unavailability and busy numbers.
- Callback appointments were made with respondents who qualified and/or agreed to complete the survey but were not available for the required length of time. These numbers took precedence over all other calls and were automatically returned to the interviewer at the appointed time.

## Contact and Sample Management

All interviewers assigned to the project attended a project briefing / training session. The Project Manager from NWRG assigned to this survey gave the briefing. The sessions included: the purpose of the study, a discussion of issues and technical information specific to the study, and a question-by-questions analysis. NWRG's field supervisors gave regular "refresher" briefing sessions throughout data collection to ensure consistency and focus.

NWRG's Project Managers and Field Service Managers continually monitored data collection. Daily interviewing had a supervisor to interviewer ratio that averaged 1:6. Each interviewer was monitored through a complete interview at least once per shift. As part of the monitoring process, supervisors completed a question-by-question analysis of the interview and reviewed the call with the interviewer.

A supervisor was immediately available to handle questions that arose during an interview. Call records and data were reviewed daily to verify that sample specifications were met and data quality was maintained.

NWRG encountered higher response rates than have been reported in the past. Refusal rates (24%) were less of a problem than reaching households (53%), though this was to be expected given the nature of the sample used for the Base Survey. In all, an average of six (6) working telephone households were contacted per complete.

This research consisted of three components, outlined below:

**Base Survey:** Data collection occurred for the Base Survey from July 11<sup>th</sup>, 2002 to August 9<sup>th</sup>, 2002. Calls were completed in evenings (4:00 to 9:00 P.M. PST) and on weekends (1:00 to 8:00 P.M. PST). A small number of shifts were scheduled during daytime hours to find those respondents with non-standard work schedules. Up to 5 attempts were made to all sampled households on different days and at different times. The sample emulated the same methodology as the Centers for Disease Control BRFSS study using 0 (non-working) and 1+ (working) blocks, so as to more accurately represent the population (See Appendix E for a more detailed explanation of the methodology). A total of 64,190 sample elements were attempted during the course of Base Survey data collection.

The Base sample was stratified by region, with a minimum of 400 interviews completed for each region. Additionally, the number of interviews conducted in each county was proportional to the number of households within each region.

**Ethnic / Racial Augment:** In order to ensure proper representation of key ethnic and racial subgroups, NWRG conducted 1,234 interviews with respondents in those groups. A minimum of 400 interviews were completed among Asians (including Hawaiians and Other Pacific Islanders), Native Americans (including Alaska Natives), African-Americans, and those of Hispanic or Latino ethnicity. Definitions matched those of the 2000 U.S. Census. Data collection occurred from August 6<sup>th</sup>, 2002 to September 17<sup>th</sup>, 2002. Calling times were identical to the Base Survey. Because of the hard-to-reach nature of the sample, the number of attempts per sample element was increased to 11. Sampling used the Random Digit Dial (RDD) methodology. To more accurately capture members of these key sub-groups, several methodologies were used to target these households. For the Native American augmentation, several key census tracts containing a higher (greater than 10%) than average incidence of Native American households were sampled. These tracts were 9604 in

Jefferson County; 9517 in Umatilla County; 9702 in Klamath County; 9518 in Lincoln County; 5,011 in Coos County; and 9708 in Wasco County. To better reach African-American and Asian households, telephone prefixes were analyzed and RDD sample pulled from those with an incidence greater than 3%. In addition, sample numbers with known Asian surnames were also utilized.

**Supplemental Survey:** Respondents completing the Base Survey were asked if they would be willing to complete an additional survey at a later date. Those responding in the affirmative were contacted to complete an additional, supplemental survey regarding attitudes and opinions toward various topics. Every Base respondent had an equal, non-zero chance of being recontacted. In all, 815 supplemental surveys were carried out. Data collection occurred from July 29<sup>th</sup> to August 12<sup>th</sup>. Calling times were the same as for the Base and Augment components. Note that the respondents in the Ethnic Augment were not included in the Supplemental portion of the OPS 2002 and therefore care should be taken with any analysis of the data at the ethnic / racial level. For future surveys, Ethnic Augment respondents should be included in the Supplemental Survey.

All householders completing the Base and Augment surveys were asked to complete a series of questions for each additional member of their household. Final data counts are as below:

	<b>Base Sample</b>	<b>Augment Sample</b>	<b>Total Sample</b>	<b>Supplemental</b>
<b>Number of Households</b>	3,668	1,234	4,902	815
<b>Number of Individuals In Household For Which Data Was Obtained</b>	8,999	3,375	12,374	N / A

### Statistical Significance

While interpreting survey results, keep in mind that all surveys are subject to sampling error. Sampling error is the extent to which the results may differ from what would be obtained if the whole population were surveyed. The size of such sampling error depends completely on the number of interviews completed. The larger the sample, the smaller the sampling error.

The overall margin of sampling error for this survey for questions asked of all respondents, base and augment, is plus or minus 1.4 percent. For questions asked for all Oregonians, the margin of error is 0.9 percent. The following table illustrates the error associated with different proportions at different sample sizes and can be used to determine sampling error for subgroup analysis. For example, if we asked a question of all respondents (n=4,902) and 50 percent gave a specific response (a "worst-case" scenario), the error associated with that 50 percent is plus or minus 1.4 percent. That is, if you repeated the survey, you could expect this same response to be from 48.6 percent to 51.4 percent. As noted in the accompanying table, sampling error is inversely correlated to the difference in proportion.

Sample Size	Estimate				
	10% 90%	20% 80%	30% 70%	40% 60%	50% 50%
50	8.3%	11.1%	12.7%	13.6%	13.9%
100	5.9%	7.8%	9.0%	9.6%	9.8%
200	4.2%	5.5%	6.4%	6.8%	6.9%
300	3.4%	4.5%	5.2%	5.5%	5.7%
400	2.9%	3.9%	4.5%	4.8%	4.9%
500	2.6%	3.5%	4.0%	4.3%	4.4%
1,000	1.9%	2.5%	2.8%	3.0%	3.1%
1,200	1.7%	2.3%	2.6%	2.8%	2.8%
2,400	1.2%	1.6%	1.8%	2.0%	2.0%
3,600	1.0%	1.3%	1.5%	1.6%	1.6%
4,900	0.8%	1.1%	1.3%	1.4%	1.4%

Differences in responses among key subgroups (e.g., respondents age 18 to 24 versus those over 65, or across the different geographic regions) are an important focus of any statistical analysis. If a particular difference is large enough to be unlikely to have occurred due to chance or sampling error, then the difference is *statistically* significant. If results or numbers are different to the extent that the difference would matter from a managerial perspective, the difference is *practically* significant. To be *practically* significant, the difference must be *statistically* significant. However, a *statistically* significant difference may not be *practically* significant.

## Data Preparation & Tabulation

### Coding

All open-end and other-type responses were either post-coded back into original categories or into new categories previously created by the Oregon Progress Board. All categories were identical to previous years' with the exception of the SIC and OCC codes which were changed to more accurately reflect the NAICS coding and Department of Labor definitions, respectively.

For a complete listing of all verbatim responses and their corresponding post-codes, please refer to the *OPS 2002 Verbatim Book* compiled as a separate volume.

### Data Cleaning and Consistency Checks

NWRG worked with the Oregon Progress Board to identify and resolve possible data inconsistencies that might arise in the data sets. Depending upon the situation, the resolution of a potential data inconsistency involved one of the following procedures:

- Recoding data to match a reasonable assumption of respondent intent,
- Deleting response or classifying as "Missing",
- Leaving data as they were.

The following describes the data inconsistency checks conducted on the data and the corresponding correction action taken.

- There was a request for each respondent to have a unique ID. That was done by renumbering the IDs based on which portion of the study the respondent was in. Base-English respondents have IDs from 75 to 4,072. Base-Spanish are from 5,000 to 5,066. Augment-English are from 6,000 to 7,128. Augment-Spanish are from 9,000 to 9,104.
- A total of 137 respondents are under the age of 40 and indicated they are currently retired, were retired in all of 2001, or both. This number represents 2.8 percent of the data. No discernable patterns were found upon examination of their responses to other questions, though most were female and most were married. It was determined by NWRG that due to the recent dot-com boom, it is possible for a large number of people to be retired. Also, it seems likely that the definition of "retired" could have been misinterpreted by respondents to include all non-working by choice situations such as quitting work to attend school or raise children. This is consistent with Census data for 1996, the most current year available. It is recommended that for future surveys, the exact definition of "retire" be provided in the question text.
- One respondent was 18 years old with a Master's Degree. Further investigation of this household showed that the respondent was born in Africa; perhaps the degree was earned there under a differing degree structure or definition. His degree is in Interior Architecture. He lives with a 33 year old roommate. Both of which suggests an error in entering his age. An attempt to recontact the respondent was made. It was found that not only was the previous number disconnected, the forwarding number was also disconnected. Age for this respondent was not changed.

- There were several extremely low numbers for hourly salary. The cases where 'SALARY' was below the federal minimum wage of \$5.15 were examined. There were 74 of these instances. The respondents' salary was compared to their household income, along with the number of hours they worked in a week, their occupation, and marital status. Twelve were deemed appropriate to recode, while the rest were consistent with their other answers. This also occurred in the 2000 study and it seems not to have been corrected.
- An upper limit was placed on volunteer hours at 2000 hours per year. Anything over that number was changed to '9999' 'Don't Know / Refused'. This was done in 11 cases.
- The amount spent on the Oregon lottery and the amount spent on other gambling activities was checked against the amount they earn in a year. There were no highly irregular Oregon lottery amounts, though there were six respondents that had unusually high amounts spent on other gambling activities when compared with their income. In those cases, it appeared to be a data entry error, '2,000' entered when '20.00' was intended. The data was corrected in three instances.

## Callbacks

Upon review of the initial data, it was discovered by the Oregon Progress Board that a skip pattern had been misinterpreted, leading to 756 respondents not being asked OWNRR as they should have been. NWRG commenced recontacting all respondents with missing data. NWRG was able to ask OWNRR of 617 (82.2%) of the missing cases. For those respondents NWRG was unable to contact, answers were interpreted based on the "cold-deck" method of data replacement.

## Final Data Sets

As a final step, the data was split into three separate, mostly mutually-exclusive data files. The following information describes the variables included in these three files.

- **"Respondent Only" Data File:** Consists of questions asked of respondents concerning themselves, but not asked concerning any other household members. Additionally, it contains the Supplemental Survey data.
- **"Household Only" Data File:** Consists of variables of questions asked concerning aspects of the household, e.g. housing and utility costs, but not containing information specific to any one household member.
- **"All Oregonians" Data File:** Consists of variables asked of respondents concerning themselves that match up with variables asked in the "household grid" portion of the survey.

## Banner Cross-Tabulations

NWRG created banner cross-tabulations for each data file using The Analytical Group's WinCross software. Banner points were chosen and approved by the Oregon Progress Board and are as follows:

- **Respondents Only:** Total, Region, Gender, Age Category, and Household Composition (Single- versus Multiple-Person Household).

- **Household Only:** Total, Region, and Household Composition.
- **All Oregonians:** Total, Region, Gender, Age, and Household Composition.

To view the full banner output, please refer to *OPS2002 RO Banners*, *OPS2002 HH Banners*, and *OPS2002 AO Banners* published as separate volumes.

## Appendix A

### Base Questionnaire

**2002 OREGON POPULATION SURVEY QUESTIONNAIRE**  
**Project #BOI-02-155**  
**Final Base / Augment Questionnaire**  
**July 22<sup>nd</sup>, 2002**

#### INTRODUCTION / SCREENER

HELLO Hello, this is \_\_\_\_\_ from Northwest Research Group. We are conducting a survey on behalf of the State of Oregon on a variety of topics. The results of this survey will help guide policy decisions that affect Oregonians. Let me assure you that we are not selling anything. This study is being conducted for research purposes only and may be monitored for quality purposes.

[READ IF NECESSARY: The purpose of this study is to gather demographic and socioeconomic characteristics of Oregonians and collect their opinions on a variety of policy issues. The results will be used by many state agencies and other governmental, academic, and commercial groups to make better-informed decisions. If you have any questions about this study you can contact Zoë with the Oregon Progress Board at 503-986-0039.]

For this survey, I need to speak to the adult head of your household who is 18 years of age or older and has had the most recent birthday. Would that be you?

[READ IF NECESSARY: A head of household is a person who owns, is buying, or rents this house or apartment]

- 1 RESPONDENT AVAILABLE **[SKIP TO CTY]**
- 2 RESPONDENT NOT AVAILABLE **[CTRL-END, SCHEDULE CALLBACK]**
- 3 NO HEAD OF HOUSEHOLD **[SKIP TO THANK] [DISPOS=22]**
- 7 LANGUAGE BARRIER **[SKIP TO LANG]**

LANG Which language do you prefer to use or are you most comfortable expressing your opinions in? **[ONE RESPONSE ONLY]**

- 1 ENGLISH **[SKIP TO CTY]**
- 2 SPANISH **[SCHEDULE CALL BACK AND GET NAME] [DISPOS = 12]**
- 3 OTHER **[SPECIFY] [SKIP TO LANG2]**
- 4 DK / REF **[SKIP TO LANG2]**

LANG2 May I speak to another adult household member who would be most comfortable speaking English?

- 1 YES **[SKIP TO HELLO]**
- 2 NO / NO ONE AVAILABLE **[DISPOS = 10, SAVE FOR ISA INTERVIEW]**

<b>SCREENER</b>
-----------------

CTY      What county do you live in?

1 Baker	29 Jackson	57 Tillamook
3 Benton	31 Jefferson	59 Umatilla
5 Clackamas	33 Josephine	61 Union
7 Clatsop	35 Klamath	63 Wallowa
9 Columbia	37 Lake	65 Wasco
11 Coos	39 Lane	67 Washington
13 Crook	41 Lincoln	69 Wheeler
15 Curry	43 Linn	71 Yamhill
17 Deschutes	45 Malheur	88 None of the above / Not an Oregon County <b>[SKIP TO THANK, DISPOS=23]</b>
19 Douglas	47 Marion	999 DK / REF
21 Gilliam	49 Morrow	
23 Grant	51 Multnomah	
25 Harney	53 Polk	
27 Hood River	55 Sherman	

ZIPCO    What is your zip code?

\_\_\_\_\_ 99999    DK/REF **[IF CTY=999, SKIPTO THANK, DISPOS = 8]**

HISPAR    Are you Spanish, Hispanic, or Latino?

**[PROBE: Were your ancestors Mexican, Puerto Rican, Cuban, Central or South American, or from Spain?]**

- 1 YES
- 2 NO
- 9 DK / REF

RACE      I am going to read a list of race categories. Please choose one or more races you consider yourself to be:

**[CLARIFY "INDIAN" WITH "Is that American Indian or Asian Indian?"]**  
**[ASIAN/PACIFIC ISLANDER INCLUDES GROUPS SUCH AS: CHINESE, FILIPINO, HAWAIIAN, INDIAN (ASIAN), VIETNAMESE, KOREAN, JAPANESE, CAMBODIAN, AND SAMOAN.]**

**["Hispanic" SHOULD BE TALLIED "Some other race"]**

**[READ LIST]**

- 11 White
- 12 Black or African American
- 13 American Indian or Alaskan Native
- 14 Asian or Pacific Islander
- 30 "Hispanic Race"**
- 90 Some other race **[PLEASE SPECIFY]**
- 99 DK / REF

RACE2    **[IF MORE THAN ONE RACE]** Is there one race category you most identify with?

- 1 YES
- 2 NO
- 9 DON'T KNOW / REFUSED

RACE2A   **[IF RACE2 = 1]** What race would that be?

- 11 White
- 12 Black or African American
- 13 American Indian or Alaskan Native
- 14 Asian or Pacific Islander
- 30 "Hispanic Race"**
- 90 Some other race **[PLEASE SPECIFY]**
- 99 DK / REF

AGE How old are you?

\_\_\_\_\_ [ENTER AGE (COMPLETED YEARS; DO NOT ROUND UP)]

- 98 98 Or Older
- 99 DON'T KNOW / REFUSED

AGE2 **[IF AGE = 99]** Would that be...

- 1 18 or 19,
- 2 20 to 24,
- 3 25 to 34,
- 4 35 to 44,
- 5 45 to 54,
- 6 55 to 59,
- 7 60 to 64,
- 8 65 to 74,
- 9 75 to 84,
- 10 Or 85 years or older?
- 99 REFUSED

SEX I know this may sound silly, but I am required to ask... Are you male or female?

- 1 MALE
- 2 FEMALE

BORNWHR In what state or foreign country were you born?

- |                    |                   |  |
|--------------------|-------------------|--|
| 1 ALABAMA          | 25 MASSACHUSETTS  | 47 TENNESSEE                               |
| 2 ALASKA           | 26 MICHIGAN       | 48 TEXAS                                   |
| 4 ARIZONA          | 27 MINNESOTA      | 49 UTAH                                    |
| 5 ARKANSAS         | 28 MISSISSIPPI    | 50 VERMONT                                 |
| 6 CALIFORNIA       | 29 MISSOURI       | 51 VIRGINIA                                |
| 8 COLORADO         | 30 MONTANA        | 53 WASHINGTON                              |
| 9 CONNECTICUT      | 31 NEBRASKA       | 54 WEST VIRGINIA                           |
| 10 DELAWARE        | 32 NEVADA         | 55 WISCONSIN                               |
| 11 WASHINGTON D.C. | 33 NEW HAMPSHIRE  | 56 WYOMING                                 |
| 12 FLORIDA         | 34 NEW JERSEY     | 62 EUROPE <b>[SPECIFY]</b>                 |
| 13 GEORGIA         | 35 NEW MEXICO     | 63 LATIN AMERICA / MEXICO <b>[SPECIFY]</b> |
| 15 HAWAII          | 36 NEW YORK       | 64 AFRICA <b>[SPECIFY]</b>                 |
| 16 IDAHO           | 37 NORTH CAROLINA | 65 ASIA / PACIFIC ISLANDS <b>[SPECIFY]</b> |
| 17 ILLINOIS        | 38 NORTH DAKOTA   | 66 CANADA                                  |
| 18 INDIANA         | 39 OHIO           | 67 AUSTRALIA / NEW ZEALAND                 |
| 19 IOWA            | 40 OKLAHOMA       | 97 OTHER <b>[SPECIFY]</b>                  |
| 20 KANSAS          | 41 OREGON         | 99 DK / REF                                |
| 21 KENTUCKY        | 42 PENNSYLVANIA   |  |
| 22 LOUISIANA       | 44 RHODE ISLAND   |  |
| 23 MAINE           | 45 SOUTH CAROLINA |  |
| 24 MARYLAND        | 46 SOUTH DAKOTA   |  |

- MARR What is your marital status?
- [IF SINGLE/COHABITATING, PROBE: Would you say that is never married, divorced, separated or widowed?]**
- [READ LIST]**
- 1 Now Married
  - 2 Widowed
  - 3 Divorced or annulled
  - 4 Separated
  - 5 Never Married
  - 9 DK / REF

<b>WARM-UP / MISC. QUESTIONS</b>
----------------------------------

- ST1 Now, I have a few questions about the State. Overall, today, how would you rate your feelings about Oregon? Do you feel "very positive," "somewhat positive," "somewhat negative," or "very negative" about Oregon?
- 1 Very positive
  - 2 Somewhat positive
  - 3 NEUTRAL **[DO NOT READ]**
  - 4 Somewhat negative
  - 5 Very negative
  - 9 DK / REF
- COM3 Some people say they feel part of their community very strongly. Other people say they do not feel part of their community at all. Please think of a five-point scale, with 1 meaning you feel "Not at all a part of your community", 3 is "In the middle" and 5 meaning you feel "Very strongly a part of your community". Which number comes closest to how much you feel a part of your community?
- 1 NOT AT ALL A PART OF COMMUNITY
  - 2
  - 3 IN THE MIDDLE
  - 4
  - 5 VERY STRONGLY PART OF THE COMMUNITY
  - 9 DK/REF
- ST20 How good a job do you think Oregon is doing providing government services?
- [READ LIST IF NECESSARY]**
- 1 (Very good job)
  - 2 (Somewhat good job)
  - 3 NEUTRAL **[DO NOT READ]**
  - 4 (Somewhat bad job)
  - 5 (Very bad job)
  - 9 DK / REF

<b>WORK / EMPLOYMENT STATUS</b>
---------------------------------

- RET1 Did you consider yourself retired for the **entire** year of 2001?
- 1 YES [SKIP TO RET2]  
2 NO  
9 DK / REF [SKIP TO RET2]
- WRK1 **[IF RET1 = 2]** Now I have some questions about your work situation in **2001**. At any time during **2001** were you working; including self-employed or looking for work?
- [READ IF NECESSARY: Self Employed ="Whatever that means to you."]**  
1 YES  
2 NO [SKIP TO RET2]  
9 DK / REF [SKIP TO RET2]
- WRK3 **[IF WRK1 = 1]** How many months in **2001** were you not working but were looking for work?
- \_\_\_ MONTHS [ROUND TO NEAREST MONTH]  
**[SKIP TO RET2 IF WRK3 >11 MONTHS]**  
99 DK / REF
- WRK2 **[IF WRK3 < 12]** In **2001**, was your main source of work-related income from being self-employed?
- [READ IF NECESSARY: Self Employed ="Whatever that means to you."]**  
1 YES  
2 NO  
9 DK / REF
- WRK5 **[IF WRK3 < 12]** How many months in **2001** were you employed?  
Please include time you were on paid sick leave, paid vacation, or military service.
- \_\_\_ MONTHS [ROUND TO NEAREST MONTH]  
**[SKIP TO RET2 IF WRK5 < 1 MONTH]**  
99 DK / REF
- WRK6 **[IF WRK5 > 0]** How many different employers did you work for in **2001**?
- [READ IF NECESSARY: If Self-Employed, count each business once if more than one business in 2001.]**  
\_\_\_ NUMBER OF EMPLOYERS [SKIP TO JOBZR IF WRK6 < 2]  
99 DK / REF
- WRK7 **[IF WRK6 > 1]** At any time during **2001** did you work for more than one employer or business at the same time?
- 1 YES  
2 NO [SKIP TO JOBZR]  
9 DK / REF [SKIP TO JOBZR]
- WRK8 **[IF WRK7 = 1]** How many months during **2001** did you work for more than one employer or business at the same time?
- \_\_\_ MONTHS  
99 DK / REF

- ALLUHRR **[IF WRK7 = 1]** How many hours per week did you usually work at all your jobs or businesses during **2001**?  
 \_\_\_ HOURS (ROUND TO NEAREST HOUR)  
 100 100 OR MORE  
 999 DK / REF
- JOBZR **[IF WRK5 > 0]** How many hours per week did you usually work at your primary job or business during **2001**?  
**[IF MORE THAN 1 JOB CLARIFY: "Here, your primary job is the one you worked the most hours at during 2001."]**  
 \_\_\_ HOURS PER WEEK **[ENTER "76" IF 76 OR MORE HOURS WORKED]**  
 76 76 OR MORE  
 99 DK / REF
- RET2 **[ALL]** Now I have some questions about your **current** work situation. Are you currently retired?  
 1 YES **[SKIP TO WKHOM]**  
 2 NO  
 9 DK / REF **[SKIP TO WKHOM]**
- EMP **[IF RET2 = 2]** Are you **currently** employed; including self-employment for pay?  
**[READ IF NECESSARY: Self Employed = "Whatever that means to you."]**  
**[READ IF NECESSARY: This includes any job from which you are temporarily absent.]**  
 1 YES  
 2 NO  
 9 DK / REF
- UNEM1 **[IF RET2 =2]** Are you currently looking for a new job?  
 1 YES  
 2 NO  
 9 DK / REF  
**[IF EMP > 1 SKIP TO LBRUN]**
- OCC **[IF EMP = 1]** What is your occupation in your primary job, or what is your job title?  
**[OPEN END]**  
**11 Management Occupations**  
**13 Business & Financial Operations Occupations**  
**15 Computer & Mathematical Occupations**  
**17 Architecture & Engineering Occupations**  
**19 Life, Physical, & Social Science Occupations**  
**21 Community & Social Services Occupations**  
**23 Legal Occupations**  
**25 Education, Training, & Library Occupations**  
**27 Arts, Design, Entertainment, Sports, & Media Occupations**  
**29 Healthcare Practitioners & Technical Occupations**  
**31 Healthcare Support Occupations**  
**33 Protective Service Occupations**  
**35 Food Preparation & Serving Related Occupations**  
**37 Building & Grounds Cleaning & Maintenance Occupations**  
**39 Personal Care & Service Occupations**  
**41 Sales & Related Occupations**

- 43 *Office & Administrative Support Occupations*
- 45 *Farming, Fishing, & Forestry Occupations*
- 47 *Construction & Extraction Occupations*
- 49 *Installation, Maintenance, & Repair Occupations*
- 51 *Production Occupations*
- 53 *Transportation & Material Moving Occupations*
- 55 *Military Specific Occupations*
- 66 *Classification Uncertainty*
- 77 *Refused*
- 88 *Don't Know / Not Sure*
- 99 *No Answer*

SIC [IF EMP = 1] What is the business or industry of your primary job?

[OPEN END]

[PROBE: What do they do or make there? For example, TV repair shop, farm, retail shoe store, mobile home manufacturing, county office]

[READ IF NECESSARY: Just in regards to your primary job.]

- 11 *Agriculture*
- 12 *Forestry, Fisheries*
- 13 *Mining*
- 14 *Construction*
- 15 *Durable Manufacturing – Lumber & Wood Products*
- 16 *Durable Manufacturing – High Technology*
- 17 *Durable Manufacturing – All Other*
- 18 *Non-durable Manufacturing – Food, Textile, Apparel, Paper*
- 19 *Transportation, Communication, Public Utilities*
- 20 *Wholesale Trade*
- 21 *Retail Trade*
- 22 *Education – Public*
- 23 *Education – Private*
- 24 *Federal Government*
- 25 *State Government (Not Education)*
- 26 *City, County, Local Government (Not Education)*
- 27 *Finance, Insurance, Real Estate*
- 28 *Services – Business (Advertising, Consulting, Repair, Computer)*
- 29 *Services – Private Health, Social (Doctor, Dentist, Law, Child Care, Museum, Church, Voluntary Organization)*
- 30 *Services – Personal (Hotel, Laundry, Beauty, Funeral, In-home)*
- 31 *Services – Entertainment and Recreation*
- 32 *Armed Forces*
- 66 *Classification Uncertainty*
- 77 *Refused*
- 88 *Don't Know / Not Sure*
- 99 *No Answer*

SICAR [IF EMP = 1] Are you employed by....

[SELECT ONE, FOR MAIN / PRIMARY JOB]

- 1 Yourself (Self-Employment) **[SKIP TO SELFEMP]**  
 2 Government **[SKIP TO GOV]**  
 3 Private Company **[SKIP TO PRIV]**  
 4 Working Without Pay **[SKIP TO FAMBUS]**  
 9 OTHER **[PLEASE SPECIFY]** **[SKIP TO JOBSATR]**  
 77 REFUSED **[SKIP TO JOBSATR]**  
 88 DK / NOT SURE **[SKIP TO JOBSATR]**  
 99 NO ANSWER **[SKIP TO JOBSATR]**
- SELFEMP **[IF SICAR = 1]** Would that be...  
 6 Not Incorporated, Or  
 7 Incorporated?  
 9 OTHER **[PLEASE SPECIFY]**  
 77 REFUSED  
 88 DK / NOT SURE  
 99 NO ANSWER
- GOV **[IF SICAR = 2]** Would that be...  
 3 Local (City, County),  
 4 State, Or  
 5 Federal?  
 9 OTHER **[PLEASE SPECIFY]**  
 77 REFUSED  
 88 DK / NOT SURE  
 99 NO ANSWER
- PRIV **[IF SICAR = 3]** Would that be...  
 1 For Profit Or  
 2 Not For Profit?  
 9 OTHER **[PLEASE SPECIFY]**  
 77 REFUSED  
 88 DK / NOT SURE  
 99 NO ANSWER
- FAMBUS **[IF SICAR = 4]** Would that be....  
 8 In A Family Business  
 9 Or On A Farm?  
 10 OTHER **[PLEASE SPECIFY]**  
 77 REFUSED  
 88 DK / NOT SURE  
 99 NO ANSWER
- JOBSATR **[IF EMP = 1]** On the whole, how satisfied are you with your current primary job?  
 1 Very satisfied  
 2 Somewhat satisfied  
 3 Somewhat dissatisfied  
 4 Very dissatisfied  
 9 DK / REF
- SALUNIT **[IF EMP = 1]** Next, I have a couple of questions about your salary at your primary job. Are you paid according to an hourly, weekly, monthly, or yearly rate at your current primary job?

- 1 HOURLY
- 2 WEEKLY **[SKIP TO SALWE]**
- 3 MONTHLY **[SKIP TO SALMO]**
- 4 YEARLY **[SKIP TO SALYR]**
- 9 DK / REF **[SKIP TO RETIR]**

SALHO **[IF SALUNIT = 1]** What is your current hourly salary at your primary job, not including overtime pay, tips, or commissions?  
**[PROMPT: How many dollars per hour are you earning?]**  
**[PROMPT FOR BEST GUESS IF UNSURE OF EXACT NUMBER]**  
**[RESPONDENT SALARY ONLY, NOT HOUSEHOLD INCOME]**  
 \_\_\_\_\_ [ENTER DOLLAR AMOUNT-NO COMMAS, 2 DECIMAL PLACES] **[SKIP TO RETIR if SALHO>0]**  
 99999.98 \$99,999.98 OR MORE  
 99999.99 DON'T KNOW/REFUSED

SALWE **[IF SALUNIT = 2]** What is your current weekly salary at your primary job, not including overtime pay, tips, or commissions?  
**[PROMPT: How many dollars per week are you earning?]**  
**[PROMPT FOR BEST GUESS IF UNSURE OF EXACT NUMBER]**  
**[RESPONDENT SALARY ONLY, NOT HOUSEHOLD INCOME]**  
 \_\_\_ [ENTER DOLLAR AMOUNT-NO COMMAS, 2 DECIMAL PLACES] **[SKIP TO RETIR if SALWE>0]**  
 99998 \$99,998 OR MORE  
 99999 DON'T KNOW / REFUSED

SALMO **[IF SALUNIT = 3]** What is your current monthly salary at your primary job, excluding overtime pay, tips, and commissions?  
**[PROMPT: How many dollars per month are you earning?]**  
**[PROMPT FOR BEST GUESS IF UNSURE OF EXACT NUMBER]**  
**[RESPONDENT SALARY ONLY, NOT HOUSEHOLD INCOME]**  
 \_\_\_\_\_ [ENTER DOLLAR AMOUNT-NO COMMAS, 2 DECIMAL PLACES]  
**[SKIP TO RETIR if SALMO>0]**  
 99998 \$99,998 OR MORE  
 99999 DON'T KNOW / REFUSED

SALYR **[IF SALUNIT = 4]** What is your current yearly salary at your primary job, excluding overtime pay, tips, and commissions?  
**[PROMPT: How many dollars per year are you earning?]**  
**[PROMPT FOR BEST GUESS IF UNSURE OF EXACT NUMBER]**  
**[RESPONDENT SALARY ONLY, NOT HOUSEHOLD INCOME]**  
 \_\_\_\_\_ [ENTER DOLLAR AMOUNT-NO COMMAS, 2 DECIMAL PLACES]  
 9999998 \$9,999,998 OR MORE  
 9999999 DON'T KNOW/REFUSED

- RETIR **[IF EMP = 1]** Are you or your spouse saving for retirement (excluding social security)?
- 1 YES
  - 2 NO **[SKIP TO LBRUN]**
  - 9 DK / REF **[SKIP TO LBRUN]**
- RETR1 **[IF RETIR = 1]** Are you or your spouse saving through...?
- [READ LIST]**
- [SELECT ALL THAT APPLY]**
- 1 An employer sponsored retirement account,
  - 2 A personal retirement account (like an IRA),
  - 3 Stocks or mutual funds,
  - 4 Bonds or CDs, Or
  - 5 Something Else? **[SPECIFY]**
  - 6 ***Real Estate / Property***
  - 8 DON'T KNOW
  - 9 REFUSED
- LBRUN **[IF EMP = 1]** Are you represented by a labor or work related union?
- [READ IF NECESSARY: Any union is o.k.]**
- 1 YES
  - 2 NO
  - 9 DK / REF
- SKL8 **[IF EMP = 1]** How many hours, if any, of job skills training or job related education, other than for safety, did you receive altogether in 2001?
- \_\_\_\_\_ HOURS
- 0 None
- 9998 9998 or more
- 9999 DK / REF

<b>TELECOMMUTING</b>
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- WKHOM **[IF EMP = 1]** Do you ever do work for your primary job from home?
- 1 YES
  - 2 NO **[SKIP TO WKHM2]**
  - 9 DK / REF **[SKIP TO WKHM2]**
- WKHM1 **[IF WKHOM = 1]** Which of the following statements best describes the work you do from home for your primary job? Do you...?
- 1 Bring work home from your full-time job after business hours or on weekends,
  - 2 Work from home one to two days a week instead of working from where your company is located, **[SKIP TO OCC1]**
  - 3 Work from home three or more days a week instead of working from where you company is located, **[SKIP TO OCC1]**
  - 4 Or run a full-time, income producing business out of your home? **[SKIP TO OCC1]**
  - 5 DON'T KNOW / REFUSED **[SKIP TO OCC1]**

- WKHM2 **[IF WKHOM > 1 OR WKHM1 = 1]** Do you feel your primary job is of the type that you could work from home one or two days a week instead of working from where your company is located?
- 1 YES
  - 2 NO **[SKIP TO OCC1]**
  - 9 DK / REF
- WKHM3 **[IF WKHM2 = 1,9]** Given the opportunity, how interested would you be in doing this at least one day a week - would you be very interested, somewhat interested, not too interested, or not at all interested?
- 1 Very Interested
  - 2 Somewhat Interested
  - 3 Not too Interested
  - 4 Not at all Interested
  - 9 DK / REF

<b>OCCUPATIONAL ILLNESS / WORKERS' COMP</b>
---

- OCC1 **[IF EMP = 1]** During 2001, were you injured on the job or did you have an occupational illness that required the services of a medical provider (such as a doctor, a physician's assistant or a nurse)?
- 1 YES
  - 2 NO **[SKIP TO TRANSAR]**
  - 9 DK / REF **[SKIP TO TRANSAR]**
- OCC1A **[IF OCC1 = 1]** Did you suffer from more than one work related injury or illness during 2001?
- 1 YES
  - 2 NO **[SKIP TO OCC2]**
  - 9 DK / REF **[SKIP TO OCC2]**
- OCC1B **[IF OCC1A = 1]** How many work related injuries or illnesses did you suffer during 2001?
- \_\_\_ INJURIES OR ILLNESSES.
- 000 NONE
- 999 DK / REF
- OCC2 **[IF OCC1 = 1]** For my next few questions, please think about your most recent work-related injury or illness. Did you file a Worker's Compensation Claim for this work-related illness or injury?
- 1 YES **[SKIP TO OCC3]**
  - 2 NO
  - 9 DK / REF **[SKIP TO OCC4]**
- OCC2A **[IF OCC2 = 2]** Why didn't you file a Worker's Compensation Claim?
- [SELECT ALL THAT APPLY]**
- 1 NOT COVERED BY WORKER'S COMPENSATION INSURANCE
  - 2 YOU DID NOT THINK ELIGIBLE
  - 3 THE INJURY WAS NOT SERIOUS ENOUGH
  - 4 DID NOT BELIEVE CLAIM WOULD BE ACCEPTED
  - 5 FELT FILING CLAIM WOULD AFFECT YOUR JOB
  - 6 FELT TO BLAME/WERE RESPONSIBLE FOR INJURY/ILLNESS
  - 7 RECOVERED QUICKLY DID NOT NEED EXTENDED/ FURTHER CARE

- 8 YOU DID NOT RECEIVE A BILL FOR YOUR MEDICAL TREATMENT
- 9 YOU FELT THE MEDICAL COSTS WOULD BE COVERED BY YOUR MEDICAL INSURANCE
- 98 SOME OTHER REASON **[PLEASE SPECIFY]**
- 99 DK / REF
- OCC3 **[IF OCC2 = 1]** Was the Worker's Compensation claim that you filed Accepted, Partially Accepted, Denied or is it still under consideration?
- 1 ACCEPTED
- 2 PARTIALLY ACCEPTED
- 3 DENIED
- 4 STILL UNDER CONSIDERATION
- 9 DK / REF
- OCC4 **[IF OCC1 = 1]** After the day of the injury did you miss any time from work because of this illness or injury?
- 1 YES
- 2 NO **[SKIP TO TRANSAR]**
- 9 DK / REF **[SKIP TO TRANSAR]**
- OCC4A **[IF OCC4 = 1]** How many days did you miss from work because of this work-related illness or injury?
- \_\_\_ DAYS
- 998 998 OR MORE
- 999 DK / REF

## COMMUTING

- TRANSAR **[IF EMP = 1]** Now I have some questions about commuting. On average, how many minutes did it usually take you to get from home to work each day last week?
- [PROMPT FOR BEST GUESS IF UNSURE OF EXACT NUMBER]**
- \_\_\_ MINUTES
- 97 97 MINUTES OR MORE
- 98 WORKS AT HOME (NO COMMUTING TIME) **[SKIP TO HI]**
- 99 DK / REF
- VEHICLR How did you usually get to work last week?
- [PROBE: What was your main source of transportation?]**
- 01 (Car, truck, van) **[SKIP TO TRANSCR]**
- 02 (Bus)
- 03 (Railroad, lightrail, MAX, streetcar)
- 04 (Taxi)
- 05 (Motorcycle)
- 06 (Bicycle)
- 07 (Walked)
- 08 (Worked at home) **[SKIP TO HI]**
- 10 (Combination of modes (for example, bike+MAX or car+walk)) **[SPECIFY]**
- 25 (Retired/ Did not work) **[SKIP TO HI]**
- 11 (Other) **[PLEASE SPECIFY] [SKIP TO TRANSDR]**
- 99 DK / REF **[SKIP TO TRANSDR]**

ALTACCSS **[IF VEHICLR = 2-7, 10]** Did you have access to a car, truck, or van that you could have driven to work last week?

- 1 YES
- 2 NO **[SKIP TO TRANSDR]**
- 9 DK / REF **[SKIP TO TRANSDR]**

TRANSCR **[IF VEHICLR = 1 OR ALTACCSS = 1]** Including yourself, how many people usually rode to work in that vehicle last week?

- \_\_\_ PEOPLE
- 8 8 OR MORE
  - 9 DK / REF

TRANSDR **[IF VEHICLR = 1-7, 10 , 11, 99]** Did you commute to or from work between 3 p.m. and 6 p.m. in the last week?

- 1 YES
- 2 NO
- 9 DK / REF

### HEALTH INSURANCE / COVERAGE

HI **[ALL]** The next questions are about health insurance. Are you currently covered by some type of health insurance?

- 1 YES
- 2 NO **[SKIP TO HIUNR]**
- 9 DK / REF **[SKIP TO HIUNR]**

HISORCR **[IF HI = 1]** How is your primary health plan obtained, that is, through whom is your coverage initiated?  
**[READ IF NECESSARY: "Primary Plan" is the plan that is responsible for paying for health benefits first. Government means government services.]**  
**[INDIVIDUALS EMPLOYED BY THE GOVERNMENT SHOULD ANSWER "Your employer" IF EMPLOYER PROVIDES BENEFITS]**  
**[READ IF NECESSARY]**

- 11 (Your Employer)
- 12 (Your Spouse Or Partner's Employer)
- 13 (Your Parent's Employer)
- 20 (Government)
- 21 (Medicare)
- 22 (Medicaid, Including The Oregon)
- 23 (Indian Health Services)
- 30 (Yourself, Or Otherwise Privately Insured)
- 40 (Some Family Member Other Than A Spouse Or Parent)
- 50 (School)
- 55 (Named Plan Or HMO)
- 60 (Some Other Way) **[Please Specify]**
- 99 Dk / Ref

- HIPAY1 **[IF H1 = 1]** Who pays for your health insurance?  
**[READ IF NECESSARY: This refers only to the premium, not a copay]**  
**[SELECT ONE]**  
 3 EMPLOYER PAYS FOR ALL OR PART  
 2 GOVERNMENT PAYS FOR ALL OR PART [MEDICARE / MEDICAID]  
**[SKIP TO HIPAY3]**  
 13 SELF / RESPONDENT PAYS FOR ALL **[SKIP TO HIUNR]**  
 22 OTHER **[SPECIFY] [SKIP TO HIUNR]**  
 7 DON'T KNOW **[SKIP TO HIUNR]**  
 8 REFUSED **[SKIP TO HIUNR]**
- HIPAY2 **[IF HIPAY1 = 3]** Does your employer pay all of your health care costs or do you pay part?  
 11 EMPLOYER PAYS 100%  
 12 EMPLOYER PAYS PART AND I PAY PART  
 99 DON'T KNOW / REFUSED  
**[SKIP TO HIUNR]**
- HIPAY3 **[IF HIPAY1 = 2]** Does the government pay all of your health care costs or do you pay part?  
 20 THE GOVERNMENT PAYS 100%  
 21 THE GOVERNMENT PAYS PART AND I PAY PART  
 99 DON'T KNOW / REFUSED
- HIUNR **[ALL]** At any time in **the last 12 months**, were you without health insurance?  
 1 YES  
 2 NO **[SKIP TO HIJOB]**  
 9 DK / REF **[SKIP TO HIJOB]**
- HIUMOR **[IF HIUNR = 1]** In the last twelve months, how many months were you uninsured?  
**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**  
 \_\_\_ MONTHS (ROUND TO THE NEAREST MONTH)  
 00 LESS THAN ONE MONTH  
 99 DK / REF
- HIJOB **[IF EMP = 1 AND HISORCR <> 11]** Is health care coverage offered through your job?  
**[READ IF NECESSARY: This includes an employer making a health insurance plan available to employees even if the employer does not pay any of the premium.]**  
 1 YES  
 2 NO  
 9 DK / REF
- HISTR **[ALL]** Which of the following best describes the one basic strategy you would prefer to help to reduce health care costs?  
 1 Increase the cost of monthly health insurance premiums that you will pay  
 2 Increase the cost of co-payments to doctors, hospitals, and pharmacies that you will pay

- 3 Reduce the health insurance benefits that you will receive
- 4 Limit your choice of doctors and hospitals
- 5 Or something else? **[SPECIFY]**
- 6 **Decrease Prescription Costs**
- 7 **Limit Cost of Doctors / Limit What Doctors Can Charge**
- 8 **Cap Malpractice Insurance / Decrease Malpractice, Lawyers, Fraud**
- 10 **Have a Unified / National / Federally Funded Health Plan**
- 9 DK / REF

<b>DENTAL CARE / COVERAGE</b>
-------------------------------

- DENT1 **[ALL]** The next few questions are about dental care. Which of the following best describes how long it has been since you last visited the dentist?  
**[READ IF NECESSARY: "Year" refers to the previous 12 months (not calendar year)]**
- 1 Less than 1 year ago **[SKIP TO DENT3]**
  - 2 At least 1 year, but less than 2 years
  - 3 At least 2 years, but less than 5 years
  - 4 5 years or more
  - 5 You have never visited a dentist
  - 9 DK/REF **[SKIP TO DENT3]**
- DENT2A **[IF DENT1 = 2-5]** What is the primary reason you have not visited the dentist within the last Year?  
**[READ IF NECESSARY: "Year" refers to the previous 12 months (not calendar year)]**
- 01 FEAR, APPREHENSION, NERVOUSNESS, PAIN, DISLIKE
  - 02 COST OF GOING
  - 03 DO NOT HAVE / KNOW A DENTIST
  - 04 CANNOT GET TO THE OFFICE / NO TRANSPORTATION
  - 05 NO REASON TO GO
  - 06 OTHER PRIORITIES
  - 07 HAVE NOT THOUGHT OF IT
  - 08 NO TEETH
  - 09 TOO YOUNG
  - 10 **NO / INADEQUATE INSURANCE**
  - 98 OTHER **[PLEASE SPECIFY]**
  - 99 DK / NOT SURE
- DENT3 **[ALL]** Are you covered for any dental care by dental insurance, an HMO plan, Medicaid, public assistance, or the military?
- 1 YES
  - 2 NO
  - 9 DK / REF

<b>RESPONDENT / RELATIVE DISABILITIES</b>
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DISABCR **[ALL]** Next, I have some questions about disabilities. Do you have a lasting mental, developmental, physical or learning disability that has lasted or will last more than a year?

**[READ IF NECESSARY: "Lasting" means at least one year]**

- 1 YES
- 2 NO **[SKIP TO DISBL6]**
- 9 DK/REF **[SKIP TO DISBL6]**

DISTYP **[IF DISABCR = 1]** Which of those disabilities do you have?

**[SELECT ALL THAT APPLY]**

- 1 MENTAL DISABILITY
- 2 DEVELOPMENTAL DISABILITY
- 3 PHYSICAL DISABILITY
- 4 LEARNING DISABILITY
- 5 OTHER **[SPECIFY]**
- 9 DK / REF

DISABBR **[IF DISABCR = 1]** Does this disability prevent you from working at a job?

- 1 YES **[SKIP TO DISCA]**
- 2 NO
- 9 DK / REF

DISABAR **[IF DISABBR = 2,9]** Does this disability limit the **kind** of work you can do?

- 1 YES
- 2 NO
- 9 DK / REF

DISCA **[IF DISABCR = 1]** Are you receiving personal care or assistance for daily activities from someone who lives in your household?

**[READ IF NECESSARY: "Care" means help with such things as bathing, personal hygiene, walking, etc.]**

- 1 YES
- 2 NO
- 9 DK / REF

DISBL6 **[ALL]** Do you or does anyone in your household currently provide some type of personal care or assistance for daily activities for any disabled or elderly relatives who do not live in your home?

**[READ IF NECESSARY: "Daily Activities" include money management, transportation, yard work, etc. "Care" means help with such things as bathing, personal hygiene, walking, etc.]**

- 1 YES
- 2 NO **[SKIP TO CCOR]**
- 9 DK / REF **[SKIP TO CCOR]**

- DSBL1 **[IF DISBL6 = 1]** How many relatives do you or someone in your household provide care for that do not live in your home?  
**[READ IF NECESSARY: "Care" means help with such things as bathing, personal hygiene, walking, etc.]**  
 \_\_\_ RELATIVES  
 0 NONE **[SKIP TO CCOR]**  
 8 8 OR MORE  
 9 DK / REF **[SKIP TO CCOR]**
- DSBL2 **[IF DSBL1 = 1-8] [ASK FOR EACH RELATIVE CARED FOR OUTSIDE OF HOME]** What is/are the age(s) of the person/people you or anyone else in your household care for?  
**[ACCEPT UP TO 6 RESPONSES]**  
 \_\_\_ YEARS OLD  
 98 98 OR OLDER  
 99 DK / REF
- DISBL **[ASK FOR EACH RELATIVE CARED FOR OUTSIDE OF HOME]** Thinking of the person who is <AGE>, does this disabled or elderly relative live in their own home, or in a care home, center or facility?  
**[READ IF NECESSARY: "Care home" means nursing facility, assisted living facility, group care home, adult foster home, etc.]**  
**[IF CARING FOR MORE THAN 1 RELATIVE IT IS OK TO HAVE BOTH OWN HOME AND CARE HOME AS RESPONSES.]**  
 1 Own Home  
 2 Care Home / facility  
 9 DK / REF

<b>CHILDCARE</b>
------------------

- CCOR **[ALL]** The next topic is childcare. During May of 2002, did any adult, 18 or over, who lives in your household get paid for providing childcare in your home for any children who do not live in your home?  
  
**[PROBE: That is children who come to your home for care. This does not include foster care (i.e. 24 hour care) or care of children by nannies who live in the same house.]**  
**[WE ARE INTERESTED ONLY IN MAY OF 2002.]**  
 1 YES  
 2 NO **[SKIP TO LIBMO1]**  
 9 DK / REF **[SKIP TO LIBMO1]**
- CHILDCR4 **[IF CCOR = 1]** Is this care provided on an ongoing, regular basis; that is, for more than 3 months in a row?  
**[READ IF NECESSARY: FOR MULTIPLE QUALIFYING CAREGIVERS IN HOUSEHOLD, CONSIDER ONLY CHILDREN CARED FOR IN PRIMARY SITUATION]**  
 1 YES **[MUST BE 3 MONTHS IN A ROW]**  
 2 NO  
 9 DK / REF

- CHILDCR2 **[IF CCOR = 1]** How many of these children are unrelated to the primary caregiver?  
**[PROMPT FOR BEST GUESS IF UNSURE OF EXACT NUMBER.]**
- [DO NOT COUNT CHILDREN IN EXTENDED FAMILY, E.G. NIECES AND NEPHEWS FOR MULTIPLE QUALIFYING CAREGIVERS IN HOUSEHOLD, CONSIDER ONLY CHILDREN CARED FOR IN PRIMARY SITUATION.]**  
 \_\_\_ ENTER NUMBER OF CHILDREN  
 98 98 OR MORE  
 99 DK / REF
- CHILDCR5 **[IF CCOR = 1]** Other than your own children, what is the maximum number of children that are cared for at any one time?  
**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**
- [RELATIVES SUCH AS NIECES AND NEPHEWS SHOULD BE COUNTED]  
 [FOR MULTIPLE QUALIFYING CAREGIVERS IN HOUSEHOLD, CONSIDER ONLY CHILDREN CARED FOR IN PRIMARY SITUATION]  
 [CURRENT (NOT TYPICAL/USUAL) MAXIMUM]**  
 \_\_\_ ENTER NUMBER OF CHILDREN  
 98 98 OR MORE  
 99 DK / REF
- CHILDCR6 **[IF CCOR = 1]** Other than your own children, what is the total number of children that are cared for on a typical day?  
**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**
- [RELATIVES SUCH AS NIECES AND NEPHEWS SHOULD BE COUNTED]  
 [FOR MULTIPLE QUALIFYING CAREGIVERS IN HOUSEHOLD, CONSIDER ONLY CHILDREN CARED FOR IN PRIMARY SITUATION]  
 [CURRENTLY TYPICAL (NOT HISTORICALLY USUAL)]**  
 \_\_\_ ENTER NUMBER OF CHILDREN  
 98 98 OR MORE  
 99 DK / REF

<b>LIBRARIES</b>
------------------

- LIBMO1 **[ALL]**Have you used a public library or library program in the last 30 days? This includes connecting to the library on the internet.  
 1 YES **[SKIP TO VOLASTYR]**  
 2 NO  
 9 DK / REF
- LIBYR1 **[IF LIBMO1 = 2, 9]** Have you used a public library or library program in the last 12 months?  
 1 YES  
 2 NO  
 9 DK / REF

## VOLUNTEER WORK

VOLASTYR **[ALL]** Over the last 12 months, how many hours, if any, did you volunteer your time to civic, community or non-profit activities? Please do not include involuntary "community service."  
**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER] [INVOLUNTARY MEANS COURT-ORDERED]**  
 \_\_\_ HOURS (NO COMMAS, ROUND TO THE NEAREST HOUR)  
 9998 9998 OR MORE  
 9999 DK / REF

## EDUCATION

EDUC **[ALL]** The next few questions are about your education. What is the highest level of education you have completed?

**[BUSINESS/SECRETARIAL SCHOOL/OTHER "CERTIFICATE" PROGRAMS DO NOT COUNT]**

**[PROBE IF ASSOCIATE DEGREE: Was that an occupational program or an academic program? IF SOME COLLEGE, NO DEGREE: Did you finish at least one year of college?]**

**[READ IF NECESSARY]**

- 11 DOCTORATE (PHD, EDD)
- 12 PROFESSIONAL (MD, JD, DVM, DDS)
- 20 MASTERS (MA, MS, MBA, MED)
- 30 BACHELORS (BA, BS, AB)
- 41 ASSOCIATE-ACADEMIC, TRANSFERABLE TO 4-YEAR COLLEGE
- 42 ASSOCIATE-OCCUPATIONAL, APPLIED SCIENCE  
(BOOKKEEPING, ELECTRONIC TECH)
- 51 SOME COLLEGE, NO DEGREE, 1+ YEAR COLLEGE COMPLETED
- 52 SOME COLLEGE, NO DEGREE, LESS THAN 1 YEAR COLLEGE
- 61 HIGH SCHOOL DIPLOMA **[SKIP TO CERTIF]**
- 62 GED **[SKIP TO CERTIF]**
- 71 12TH GRADE, NO DIPLOMA **[SKIP TO CERTIF]**
- 72 11TH GRADE **[SKIP TO CERTIF]**
- 73 10TH GRADE **[SKIP TO CERTIF]**
- 74 9TH GRADE **[SKIP TO CERTIF]**
- 81 5TH, 6TH, 7TH, 8TH GRADE **[SKIP TO CERTIF]**
- 82 4TH GRADE OR LESS **[SKIP TO CERTIF]**
- 99 DK / REF **[SKIP TO CERTIF]**

EDSUB **[IF EDUC < 51]** What is the subject matter of your <educ > degree?  
**[OPEN END]**  
**[PROMPT: Your highest or most recent degree.]**

- 1 *Architecture and Natural Resources*
- 2 *Architecture and Environmental Design*
- 3 *Area, Ethnic, and Cultural Studies*
- 4 *Biological Sciences, Life Sciences*
- 5 *Business and Management*
- 6 *Communications*
- 7 *Computer and Information Sciences*
- 8 *Construction Trades*
- 9 *Consumer and Personal Services*
- 10 *Education*
- 11 *Engineering and Engineering Technologies*
- 12 *English Language and Literature / Letters*
- 13 *Foreign Languages*
- 14 *Health Sciences / Health Professions*
- 15 *Home Economics*
- 16 *Law and Legal Studies*
- 17 *Liberal Arts and Sciences / General Studies and Humanities*
- 18 *Library and Archival Studies*
- 19 *Mathematics*
- 20 *Mechanics and Repairs*
- 21 *Military Technologies*
- 22 *Multi / Interdisciplinary Studies*
- 23 *Parks and Recreation*
- 24 *Philosophy, Religion, and Theology*
- 25 *Physical Sciences and Science Technologies*
- 26 *Precision Production Trades*
- 27 *Protective Services*
- 28 *Psychology*
- 29 *Public Administration and Services*
- 30 *Social Sciences (Includes History)*
- 31 *Transportation and Material Moving*
- 32 *Visual and Performing Arts*
- 33 *Unclassified*
- 98 *Miscellaneous*
- 99 *Refused*
- 99 *Don't Know / NR*

EDOR **[IF EDUC < 52]** Did you attend undergraduate school at any Oregon public four-year university or college?  
 1 YES  
 2 NO **[SKIP TO CERTIF]**  
 9 DK/REF **[SKIP TO CERTIF]**

- EDUC3 **[IF EDUC <= 30 AND EDOR = 1]** Did you receive your bachelor's degree from an Oregon public four-year university or college?
- 1 YES
  - 2 NO **[SKIP TO CERTIF]**
  - 9 DK/REF **[SKIP TO CERTIF]**
- EDUC4 **[IF EDUC3 = 1]** From which Oregon public university or college did you receive your bachelor's degree?
- 1 EASTERN OREGON UNIVERSITY (FORMERLY EASTERN OREGON STATE COLLEGE)
  - 2 OREGON INSTITUTE OF TECHNOLOGY
  - 3 OREGON STATE UNIVERSITY
  - 4 PORTLAND STATE UNIVERSITY
  - 5 SOUTHERN OREGON UNIVERSITY
  - 6 UNIVERSITY OF OREGON
  - 7 WESTERN OREGON UNIVERSITY (FORMERLY WESTERN STATE COLLEGE AND OREGON COLLEGE OF EDUCATION)
  - 8 OREGON HEALTH SCIENCES UNIVERSITY
  - 9 OTHER **[SPECIFY]**
  - 99 DK / REF
- CERTIF **[IF EDUC > 30]** Have you completed an occupational, vocational, or career certificate program?
- [READ IF NECESSARY: Does not include occupational or applied degrees through academic programs (e.g. junior college degrees in applied science, bookkeeping, electronic tech, etc.)]**
- [READ IF NECESSARY: These certificate programs could include, but are not restricted to:**
- Business certificates (accounting for example)**
- Health program certificates (speech, hearing, medical technology or equipment)**
- Engineering technology programs (circuit design or testing, computer design digital signal processing, for example)**
- Construction trades (welding, for example)]**
- 1 YES
  - 2 NO
  - 9 DK / REF

## TRANSPORTATION

- TRAFFR **[ALL]** Now, let's talk a little bit about transportation in Oregon. How serious a problem is auto traffic congestion in your community? Is it a ...
- [READ LIST]**
- 1 Critical Problem
  - 2 Very Serious Problem
  - 3 Moderate Problem
  - 4 Only a Small Problem
  - 5 Not a Problem At All
  - 9 DK / REF

- HWYSAFR **[ALL]** On a scale of 1 to 5, where 1 is "not at all safe" and 5 is "completely safe", How safe do you feel when you're on freeways and highways in Oregon?
- 5 COMPLETELY SAFE
  - 4
  - 3
  - 2
  - 1 NOT AT ALL SAFE
  - 9 DK / REF

<b>OREGON STATE LOTTERY</b>
-----------------------------

- LOTGAMR1 **[ALL]** Next, I have a few questions about the Oregon Lottery. In the past 12 months, have you played in Oregon Lottery Games like Instant Scratch-its, Megabucks, Keno, Breakopens, Powerball, Sports Action, Video Poker, Pick 4, or Win for Life?
- 1 YES
  - 2 NO **[SKIP TO GAMCASHR]**
  - 9 DK / REF **[SKIP TO GAMCASHR]**

- LOTGAMR2 **[IF LOTGAMR1 = 1]** Which of the following Oregon Lottery games have you played? Have you played...?
- [READ ONE AT A TIME AND SELECT IF YES]**
- [ROTATE LIST]**
- 1 Instant Scratch-its
  - 2 Megabucks
  - 3 Keno
  - 4 Breakopens
  - 5 Powerball
  - 6 Sports Action
  - 7 Video Poker
  - 8 Pick 4
  - 9 Win For Life
  - 99 NONE OF THE ABOVE

- LOTASHR **[IF LOTGAMR1 = 1]** In a typical month how much do you spend on all Oregon Lottery games?
- [PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**
- \_\_\_\_\_ (NO COMMAS, ROUND TO THE NEAREST DOLLAR)
- 99998 \$99,998 OR MORE
  - 99999 DK / REF

- GAMCASHR **[ALL]** In a typical month, how much do you spend on other gambling activities including Bingo, horse or dog racing, Indian Casinos, sports betting, or Nevada casinos?  
**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**  
**[TRIPS TO NEVADA AND INDIAN CASINOS ONLY INCLUDES MONEY LOST GAMBLING, NOT TRAVEL EXPENSES.]**  
 \_\_\_\_\_ (NO COMMAS, ROUND TO THE NEAREST DOLLAR)  
 99998 \$99,998 OR MORE  
 99999 DK / REF
- LOTFEELR **[ALL]** What are your feelings about the Oregon Lottery? Would you say you are...  
**[ROTATE ORDER, LIST IS READ]**  
 5 Definitely in favor  
 4 Somewhat in favor  
 2 Somewhat opposed  
 1 Definitely opposed  
 9 DK / REF

<b>HOUSEHOLD GRID</b>
-----------------------

- HHNUMAR **[ALL]** Now I have some questions about others in your household. First, how many people live in your household at this point in time, **not** counting yourself?  
**[PROBE: How many people live and sleep in your house most of the time, excluding you?]**  
 \_\_\_\_\_ ENTER NUMBER OF PEOPLE  
 0 **[SKIPTO CST1]**  
 14 14 OR MORE  
 99 DK/REF **[SKIP TO CST1]**
- REL .1 **[IF HHNUMAR = 1-14]** I have a few questions about each member of your household. Please don't tell me any names, just the relationship of the person to you. So that we can both keep track of the person I'm asking questions about, I'd like to start with the oldest person and go in order from oldest to youngest. Who is the oldest member of your household?
- REL.2-.14 What is the relationship to you of the next oldest member of your household?
- 01 Wife/husband/spouse
  - 02 Daughter (natural-born or adopted)
  - 22 Son (natural-born or adopted)
  - 03 Step-daughter/step-son
  - 04 Brother/sister/sibling
  - 05 Mother/father/step-parent
  - 06 Grandchild
  - 07 Grandparent
  - 08 Other relative
  - 09 Roomer, boarder, foster child
  - 10 Roommate, housemate

- 11 Unmarried partner/cohabitant
- 12 Other non-relative
- 98 Other (NOT SPECIFIED RELATIVE OR NON RELATIVE) [SPECIFY]
- 77 REFUSED
- 88 DON'T KNOW / NOT SURE
- 99 NO ANSWER
- 00 No other members of household [SKIPTO CST1]

SEX.# **[ASK IF NECESSARY: Is that person male or female?]**

- 1 Male
- 2 Female
- 7 DK / Refused

AGE.# How old is your/the <REL >?

**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF AGE OR BIRTH DATE]**

IF AGE NOT KNOWN ENTER 98 AND ASK: In what year and month was your <REL> born? So they must be \_\_\_\_ years old now. Is that correct?

\_\_ YEARS OLD (COMPLETED YEARS; DO NOT ROUND UP)

96 96 OR OVER

0 < ONE

98 DOB **[SPECIFY MM/DD/YY]**

99 DK / REF

BORNWHR.# In what state or foreign country was your/the <REL > born?

**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**

- |                    |                   |                            |
|--------------------|-------------------|----------------------------|
| 1 ALABAMA          | 26 MICHIGAN       | 49 UTAH                    |
| 2 ALASKA           | 27 MINNESOTA      | 50 VERMONT                 |
| 4 ARIZONA          | 28 MISSISSIPPI    | 51 VIRGINIA                |
| 5 ARKANSAS         | 29 MISSOURI       | 53 WASHINGTON              |
| 6 CALIFORNIA       | 30 MONTANA        | 54 WEST VIRGINIA           |
| 8 COLORADO         | 31 NEBRASKA       | 55 WISCONSIN               |
| 9 CONNECTICUT      | 32 NEVADA         | 56 WYOMING                 |
| 10 DELAWARE        | 33 NEW HAMPSHIRE  | 62 EUROPE <b>[SPECIFY]</b> |
| 11 WASHINGTON D.C. | 34 NEW JERSEY     | 63 LATIN                   |
| 12 FLORIDA         | 35 NEW MEXICO     | AMERICA/MEXICO             |
| 13 GEORGIA         | 36 NEW YORK       | <b>[SPECIFY]</b>           |
| 15 HAWAII          | 37 NORTH CAROLINA | 64 AFRICA <b>[SPECIFY]</b> |
| 16 IDAHO           | 38 NORTH DAKOTA   | 65 ASIA/PACIFIC            |
| 17 ILLINOIS        | 39 OHIO           | ISLANDS <b>[SPECIFY]</b>   |
| 18 INDIANA         | 40 OKLAHOMA       | 66 CANADA                  |
| 19 IOWA            | 41 OREGON         | 67 AUSTRALIA/NEW           |
| 20 KANSAS          | 42 PENNSYLVANIA   | ZEALAND                    |
| 21 KENTUCKY        | 44 RHODE ISLAND   | 97 OTHER <b>[SPECIFY]</b>  |
| 22 LOUISIANA       | 45 SOUTH CAROLINA | 99 DK / REF                |
| 23 MAINE           | 46 SOUTH DAKOTA   |                            |
| 24 MARYLAND        | 47 TENNESSEE      |                            |
| 25 MASSACHUSETTS   | 48 TEXAS          |                            |

HISPAR.# Is your/the <REL > Spanish, Hispanic, or Latino?

**[PROMPT: Were their ancestors Mexican, Puerto Rican, Cuban, Central or**

**South American, or from Spain?]**  
**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**

- 1 YES
- 2 NO
- 9 DK / REF

RACE.# I'm going to read a list of race categories. Please choose one or more races your/the <REL > considers himself/herself to be:

**[CLARIFY "INDIAN" WITH "Is that American Indian or Asian Indian?"]**  
**[ASIAN/PACIFIC ISLANDER INCLUDES GROUPS SUCH AS: CHINESE, FILIPINO, HAWAIIAN, INDIAN (ASIAN), VIETNAMESE, KOREAN, JAPANESE, CAMBODIAN, AND SAMOAN.]**

**["Hispanic" SHOULD BE TALLIED "Some other race"]**

**[READ LIST]**

- 11 White
- 12 Black or African American
- 13 American Indian or Alaska Native
- 14 Asian or Pacific Islander
- 30 "Hispanic Race"**
- 99 Other [PLEASE SPECIFY]
- 99 DK / REF

RACE2.# **[IF MORE THAN ONE RACE]** Is there one race category that your/the <REL > most identify with?

- 1 YES
- 2 NO
- 9 DON'T KNOW / REFUSED

RACE2A.# **[IF RACE2 = 1]** What race would that be?

- 11 White
- 12 Black or African American
- 13 American Indian or Alaskan Native
- 14 Asian or Pacific Islander
- 30 "Hispanic Race"**
- 90 Some other race [PLEASE SPECIFY]
- 99 DK / REF

WRK1.# **[AGE.# > 13]** Was your/the <REL > employed in **2001**?

**[SKIP TO HI if AGE<14]**

- 1 YES
- 2 NO **[SKIP TO HI]**
- 9 DK / REF **[SKIP TO HI]**

WRK5.# **[IF WRK1.# = 1]** How many months was your/the <REL > employed in **2001**?

**[APPROXIMATE IF NOT SURE]**

\_\_\_ MONTHS

- 99 DK / REF

OCC.# **[IF WRK1.# = 1]** What is the occupation of your/the <REL> in their primary job, or what is their job title?

**[OPEN END]**

**[READ IF NECESSARY: What are their most important duties? What do they do that earns them income? Here, their primary job is the one they work the most hours at.]**

HI.# Is your/the <REL > currently covered by some type of health insurance?

**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**

- 1 Yes
- 2 No **[SKIP TO HIUNR.#]**
- 9 DK / REF **[SKIP TO HIUNR.#]**

HISORCR.# **[IF HI.# = 1]** Is your/the <REL >'s primary health insurance plan obtained through...?

**[READ IF NECESSARY: "Primary Plan" is the plan that is responsible for paying for health benefits first. Government means government services.]**  
**INDIVIDUALS EMPLOYED BY THE GOVERNMENT SHOULD ANSWER "Your employer" IF EMPLOYER PROVIDES BENEFITS]**

**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**

**[READ IF NECESSARY]**

- 11 Their employer
- 12 Their spouse's or partner's employer
- 13 Their parent's employer
- 21 Medicare
- 22 Medicaid (INCLUDING THE OREGON HEALTH PLAN)
- 20 Government
- 23 Indian Health Services
- 30 His/her self, or otherwise privately insured
- 40 Some family member other than a spouse or parent
- 50 School
- 55 Named Plan or HMO
- 60 Some other way **[PLEASE SPECIFY]**
- 99 DK / REF

HIUNR.# At any time in the last 12 months, was your/the <REL > without health insurance?

**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**

- 1 Yes
- 2 No **[SKIP TO DENT1]**
- 9 No answer **[SKIP TO DENT1]**

HIUMOR.# In the last 12 months, how many months was your/the <REL> uninsured?

**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**

**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**

\_\_\_ MONTHS (ROUND TO THE NEAREST MONTH)

- 99 DK / REF

DENT1.# Which of the following best describes how long it has been since your/the <REL> last visited the dentist?

**[READ IF NECESSARY: "Year" refers to the previous 12 months (not calendar year)]**

**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**

- 1 LESS THAN ONE YEAR AGO
- 2 AT LEAST 1 YEAR, BUT LESS THAN 2 YEARS
- 3 AT LEAST 2 YEARS BUT LESS THAN 5 YEARS
- 4 5 YEARS OR MORE
- 5 YOUR/THE <REL > HAS NEVER VISITED A DENTIST
- 9 DK / REF

DENT3.# Is your/the <REL > covered for any dental care by dental insurance, an HMO plan, Medicaid, public assistance, or the military?

**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**

- 1 YES
- 2 NO
- 9 DK / REF

EDUC.# **[AGE.# > 24]** What is the highest level of education your/the <REL > has completed?

**[BUSINESS/SECRETARIAL SCHOOL/OTHER "CERTIFICATE" PROGRAMS DO NOT COUNT]**

**[PROBE IF ASSOCIATE DEGREE: Was that an occupational program or an academic program? IF SOME COLLEGE, NO DEGREE: Did s/he finish at least one year of college?]**

- 11 Doctorate (PhD, EdD)
- 12 Professional (MD, JD, DVM, DDS)
- 20 Masters (MA, MS, MBA, MEd)
- 30 Bachelors (BA, BS, AB)
- 41 Associate-Academic, Transferable to 4-year college
- 42 Associate-Occupational, applied science  
(bookkeeping, electronic tech)
- 51 Some college, no degree, 1+ year college completed
- 52 Some college, no degree, less than 1 year college
- 61 High school diploma
- 62 GED
- 71 12th grade, no diploma
- 72 11th grade
- 73 10th grade
- 74 9th grade
- 81 5th, 6th, 7th, 8th grade
- 82 4th grade or less
- 99 DK / REF

- CERTIF.# **[IF AGE > 24]** Has your/the <REL > completed an occupational, vocational, or career certificate program?  
**[READ IF NECESSARY: Does not include occupational or applied degrees through academic programs (e.g. junior college degrees in applied science, bookkeeping, electronic tech, etc.)**  
**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**  
1 YES  
2 NO  
9 DK / REF
- DISABCR.# Does your/the <REL > have a lasting mental, developmental, physical or learning Disability?  
**[READ IF NECESSARY: "Lasting" means at least one year.]**  
**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**  
1 YES  
2 NO **[SKIP TO CCRNGA]**  
9 DK / REF **[SKIP TO CCRNGA]**
- DISTYP.# **[IF DISABCR.# = 1]** Which of these disabilities does your/the <REL > have?  
**[SELECT ALL THAT APPLY]**  
**[PROMPT RESPONSE CATEGORIES 1-3 IF NECESSARY]**  
1 MENTAL DISABILITY  
2 DEVELOPMENTAL DISABILITY  
3 PHYSICAL DISABILITY  
4 LEARNING DISABILITY  
9 DK / REF
- DISABBR.# **[IF DISABCR.# = 1 AND AGE > 13]** Does this lasting disability prevent your/the <REL > from working at a job?  
**[SKIP TO DISCA IF AGE<14]**  
**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**  
1 YES **[SKIP TO DISCA]**  
2 NO  
9 DK / REF
- DISABAR.# **[IF DISABBR.# = 2,9]** Does this lasting disability limit the kind of work your/the <REL > can do?  
**[YOU ARE ON HOUSEHOLD MEMBER <XAC0> OF <HHNUMAR>.]**  
1 YES  
2 NO  
9 DK / REF
- DISCA.# **[IF DISABCR.# = 1]** Does your/the <REL > receive care from someone who lives in your household?  
1 YES  
2 NO  
9 DK / REF

CCRNGA.# TO CCRNGH.#

**[IF AGE < 13]** Now we are going to ask you about child care arrangements of children in the household. Did you have any type of paid childcare arrangements for your/the <REL> during the last school year? If "yes", was it...?

**[ENTER ALL MENTIONED, SELECTING PRIMARY TYPE FIRST]**

**IF MORE THAN ONE: Which of these is the primary type of child care used for your/the <REL>]**

**[APPLIES TO THE 2001/2002 SCHOOL YEAR]**

**[READ LIST]**

10 YES-Day care center

20 YES-Paid care in home/babysitter in home

31 YES-Paid care in relative's home

32 YES-Paid care in non-relative's home

50 YES-Paid group activities

60 YES- Unpaid care, any type

70 NO-No day care, paid or unpaid for this child **[SKIP TO LIBMO1]**

80 OTHER **[PLEASE SPECIFY]**

99 DK / REF **[SKIP TO LIBMO1]**

CHILDCR8.# (IF AGE <13 AND CCRNGA # TO CCRNGH# = 10-60, 80) In **2001**, did you have trouble finding childcare to meet your <REL> needs? Please rate your trouble finding care on a five-point scale where "1" means "None – Had no trouble at all" to "5" meaning you "Had A Great Deal Of Trouble."

1 NONE – HAD NO TROUBLE AT ALL

2

3

4

5 HAD A GREAT DEAL OF TROUBLE

8 DON'T KNOW

9 REFUSED

CCB1.# **[IF AGE < 13 AND CCRNGA.# TO CCRNGH.# = 10-60, 80]** How many hours altogether in a typical week during the school year does your/ the <REL > spend in paid childcare?

**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT**

**NUMBER PROBE: This is the total amount for all types of paid care in an average week in the school year (2001/2002 school year)]**

\_\_\_ HOURS (ROUND TO NEAREST HOUR-- 3 DIGITS)

168 168 OR MORE

999 DK / REF

CCOSTR.# **[IF AGE < 13 AND CCRNGA.# TO CCRNGH.# = 10-60, 80]** Overall, how much does your household spend on child care in an average month during the school year, for your/the <REL>?

**[PROBE: Including babysitters, day care centers, and all other paid child care arrangements and Include gross amount to household, excluding tax breaks or subsidies.]**

\_\_\_\_\_ (NO COMMAS, ROUND TO NEAREST DOLLAR)

9998 \$9,998 OR MORE

9999 DK / REF

CCINTRO.# **[IF AGE < 13 AND CCRNGA.# TO CCRNGH.# = 10-60, 80]** I'm going to read three statements about the paid child care your/the <REL >receives. For each statement, please tell me whether you feel it is true "never," "rarely", "sometimes," "often," or "always".

**[PRESS ANY KEY TO CONTINUE]**

CCSAFE1.# **[IF AGE < 13 AND CCRNGA.# TO CCRNGH.# = 10-60, 80]** Do you feel it is true "Never", "Rarely", "Sometimes", "Often", or "Always" that your/the <REL > feels safe and secure in care?

- 1 Never
- 2 Rarely
- 3 Sometimes
- 4 Often
- 5 Always
- 9 DK / REF

CCATTN1.# **[IF AGE < 13 AND CCRNGA.# TO CCRNGH.# = 10-60, 80]**Do you feel it is true "Never", "Rarely", "Sometimes", "Often", or "Always" that your <REL > gets lots of individual attention?

- 1 Never
- 2 Rarely
- 3 Sometimes
- 4 Often
- 5 Always
- 9 DK / REF

CCINFO1.# **[IF AGE < 13 AND CCRNGA.# TO CCRNGH.# = 10-60, 80]** Do you feel it is true "Never", "Rarely", "Sometimes", "Often", or "Always" that your/the <REL >'s caregiver is open to new information and learning.

- 1 Never
- 2 Rarely
- 3 Sometimes
- 4 Often
- 5 Always
- 9 DK / REF

LIBMO1.# Has your/the <REL > used a public library or library program in the last 30 days? This includes connecting to the library on the internet.

**[READ IF NECESSARY: Includes preschool and story programs for infants and children]**

[YOU ARE ON HOUSEHOLD MEMBER <XAC0 > OF <HHNUMAR>.]

- 1 YES **[SKIP TO ENDLOOP]**
- 2 NO
- 9 DK / REF

LIBYR1.# **[IF LIMO1.# > 1]** Has your/the <REL > used a public library or library program in the last 12 months?  
**[READ IF NECESSARY: Includes preschool and story programs for infants and children]**  
**[YOU ARE ON HOUSEHOLD MEMBER <XAC0 > OF <HHNUMAR>.]**  
 1 YES  
 2 NO  
 9 DK / REF

**END OF HOUSEHOLD GRID**

**HOUSEHOLD EXPENSES**

CST1 **[ALL]** To finish up, I need to ask a few questions about your household's expenses.

ELECTMOR **[ALL]** On average, what is the monthly cost for electricity in your household?  
**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**  
 \_\_\_\_\_ (ROUND TO NEAREST DOLLAR)  
 0 INCLUDED IN RENT  
 998 \$998 OR MORE  
 999 DK/REF

GASMOR **[ALL]** On average what is the monthly cost for natural gas in your household?  
**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**  
 \_\_\_\_\_ (ROUND TO NEAREST DOLLAR)  
 0 DO NOT HAVE / INCLUDED IN RENT  
 998 \$998 OR MORE  
 999 DK/REF

WATERMOR **[ALL]** On average, what is the monthly cost for water and sewer in your household?  
**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**  
 \_\_\_\_\_ (ROUND TO NEAREST DOLLAR)  
 0 INCLUDED IN RENT  
 998 \$998 OR MORE  
 999 DK / REF

FUELMOR **[ALL]** On average what is the monthly cost for heating oil, kerosene, propane, wood or other fuels in your household?  
**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**  
 \_\_\_\_\_ (ROUND TO NEAREST DOLLAR)  
 0 DO NOT HAVE / INCLUDED IN RENT  
 998 \$998 OR MORE  
 999 DK / REF

## TREASURER'S OFFICE QUESTIONS

COLSAV1 **[ALL]** Do you have any children under the age of 18 that live outside your household?

- 1 YES
- 2 NO
- 9 DON'T KNOW / REFUSED

COLSAV2 **[IF CHLD18 = 1]** Are you saving for the college expenses of any of your children under the age of 18?

- 1 YES
- 2 NO **[SKIP TO CMP4]**
- 9 DON'T KNOW / REFUSED **[SKIP TO CMP4]**

OCSBSAV **[IF CHLD18 = 1 AND COLSAV2 EQ 1]** Are you saving through the Oregon College Saving Plan?

- 1 YES
- 2 NO
- 9 DON'T KNOW / REFUSED

## TECHNOLOGY

CMP4 **[ALL]** Do you have a personal computer in your home?

- 1 YES
- 2 NO
- 9 DK / REF

CMP6 **[ALL]** Do you use a computer or other device to access the Internet?

- 1 YES
- 2 YES- A LITTLE
- 3 NO
- 9 DK / REF

CMP8 **[ALL]** Do you use a computer to create or edit documents or graphics, or to analyze data?

- 1 YES
- 2 YES- A LITTLE
- 3 NO
- 9 DK / REF

TEL1 **[ALL]** In 2001, was your home without telephone service?  
**[READ IF NECESSARY: Landline service only, do not include cellular telephone service]**  
 1 YES  
 2 NO **[SKIP TO TEL3]**  
 9 DK / REF **[SKIP TO TEL3]**

TEL2 **[IF TEL1 = 1]** How long were you without a telephone in your home?  
**[READ IF NECESSARY: Landline service only, do not include cellular telephone service]**  
 1 Less than one month  
 2 More than one month but less than three months  
 3 More than three months but less than six months  
 4 Six months or more  
 9 DK / REF

TEL3 **[ALL]** How many telephone numbers are associated with this household?  
**[READ IF NECESSARY: Landline service only, do not include cellular telephone service]**  
 \_\_\_ ENTER NUMBER (1 OR MORE)  
 99 DON'T KNOW / REFUSED

TEL4 **[IF TEL3 > 1]** How many telephone lines in your household are currently used strictly for non-voice communications, such as a dedicated fax or modem line?  
**[READ IF NECESSARY: Landline service only, do not include cellular telephone service]**  
 \_\_\_ ENTER NUMBER (1 OR MORE)  
 99 DON'T KNOW / REFUSED

<b>LIVING UNIT</b>
--------------------

HOMER **[ALL]** Which of the following best describes your living unit?  
**[READ LIST]**  
 1 One-family manufactured dwelling (mobile home or manufactured home) **[SKIP TO HOMR1]**  
 3 A one-family house detached from any other house **[SKIP TO OWNR]**  
 4 A one-family house or condominium attached to one or more houses **[SKIP TO OWNR]**  
 5 A building with 2 or 3 apartments **[SKIP TO OWNR]**  
 6 A building with 4 or more apartments **[SKIP TO OWNR]**  
 7 Other (Boat, RV, van, etc.) **[PLEASE SPECIFY] [SKIP TO OWNR]**  
 8 DK / NOT SURE **[SKIP TO OWNR]**  
 99 REF/NO ANSWER **[SKIP TO OWNR]**

HOMR1 **[IF HOMER = 1]** Is it located...

**[READ LIST]**

- 1 In a rental park or on leased land
- 2 On land owned by you or someone in this household
- 9 DK / REF

OWNR Is your living unit...

**[READ LIST]**

- 1 Owned by you or someone in this household with a mortgage or loan?
- 2 Owned by you or someone in this household free . and clear (without a mortgage or loan)?
- 3 Rented for cash rent? **[SKIP TO RENTR]**
- 4 Occupied without payment of cash rent? **[SKIP TO INTRO]**
- 5 SOMETHING ELSE [PLEASE SPECIFY] **[SKIP TO INTRO]**
- 8 DON'T KNOW/NOT SURE **[SKIP TO INTRO]**
- 9 DK/REF **[SKIP TO INTRO]**

HVLAR **[IF OWNR = 1-2]** What is the value of this property - that is, how much do you think your living unit would sell for if it were for sale?

**[PROMPT FOR BEST GUESS IF UNSURE OF EXACT NUMBER]**

\_\_\_\_(NO COMMAS, ROUND TO THE NEAREST DOLLAR)

- 9999999 \$9,999,999 OR MORE  
.98 DK / NOT SURE  
.99 NO ANSWER / REFUSED

HCOSTR **[IF OWNR = 1-2]** What is the total monthly amount that your household spends on housing costs, including mortgage, insurance, and taxes? Do not include the cost of any utilities.

**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**

\_\_\_\_ (NO COMMAS, ROUND TO NEAREST DOLLAR)

- 9999999 \$9,999,999 OR MORE  
.98 DK / NOT SURE  
.99 NO ANSWER / REFUSED

RENTR **[IF OWNR = 3]** What is the total monthly rent?

**[PROMPT FOR BEST GUESS OR ESTIMATE IF UNSURE OF EXACT NUMBER]**

\_\_\_\_ (NO COMMAS, ROUND TO NEAREST DOLLAR)

- 9999999 \$9,999,999 OR MORE  
.98 DK / NOT SURE  
.99 NO ANSWER / REFUSED

**DEPARTMENT OF COMMUNITY COLLEGES & WORKFORCE DEVELOPMENT**

- INTRO **[ALL]** For each of the following questions, please tell me whether you are comfortable or uncomfortable for each item.
- READING **[ALL]** How comfortable would you say you are at reading in English? Would that be very or somewhat (comfortable / uncomfortable)?
- 1 VERY UNCOMFORTABLE
  - 2 SOMEWHAT UNCOMFORTABLE
  - 3 NEUTRAL
  - 4 SOMEWHAT COMFORTABLE
  - 5 VERY COMFORTABLE
  - 9 DON'T KNOW / REFUSED
- WRITENG **[ALL]** How comfortable would you say you are at writing in English? Would that be very or somewhat (comfortable / uncomfortable)?
- 1 VERY UNCOMFORTABLE
  - 2 SOMEWHAT UNCOMFORTABLE
  - 3 NEUTRAL
  - 4 SOMEWHAT COMFORTABLE
  - 5 VERY COMFORTABLE
  - 9 DON'T KNOW / REFUSED
- MATH **[ALL]** How comfortable are you at solving math problems? Would that be very or somewhat (comfortable / uncomfortable)?
- 1 VERY UNCOMFORTABLE
  - 2 SOMEWHAT UNCOMFORTABLE
  - 3 NEUTRAL
  - 4 SOMEWHAT COMFORTABLE
  - 5 VERY COMFORTABLE
  - 9 DON'T KNOW / REFUSED
- WRITINS **[ALL]** How comfortable would you say you are at reading and applying written instructions or directions to operate equipment or perform a new work task? Would that be very or somewhat (comfortable / uncomfortable)?
- 1 VERY UNCOMFORTABLE
  - 2 SOMEWHAT UNCOMFORTABLE
  - 3 NEUTRAL
  - 4 SOMEWHAT COMFORTABLE
  - 5 VERY COMFORTABLE
  - 9 DON'T KNOW / REFUSED

## INCOME

- INCOME1 **[ALL]** Finally, I am going to read some broad categories of yearly household income. This includes money from jobs, net income from a business, farm or rent, pensions, dividends, interest, social security payments, child support, alimony, public assistance, unemployment, food stamps, and any other money income by members of this household. Please do not tell me how much your household earns exactly. When I come to the category that best represents the total combined income before taxes of all members of this household during 2001, please let me know. Was your household's 2001 income...
- [READ LIST]**
- 1 Below \$30,000 per year or **[SKIP TO INCOME3]**
  - 2 Above \$30,000 per year?
  - 8 DON'T KNOW **[PROBE FOR BEST ESTIMATE] [SKIP TO SUPP]**
  - 9 REFUSED **[PROBE FOR BEST ESTIMATE] [SKIP TO SUPP]**
- INCOME2 **[IF INCOME1 = 2]** Would that be above or below \$55,000 per year?
- 1 BELOW \$55,000 PER YEAR **[SKIP TO INCOME4]**
  - 2 ABOVE \$55,000 PER YEAR **[SKIP TO INCOME5]**
  - 8 DON'T KNOW **[PROBE FOR BEST ESTIMATE] [SKIP TO SUPP]**
  - 9 REFUSED **[PROBE FOR BEST ESTIMATE] [SKIP TO SUPP]**
- INCOME3 **[IF INCOME1 = 1]** Would that be...?
- 10 Less than \$5,000 **[SKIP TO SUPP]**
  - 21 Between \$5,000 and \$7,499 **[SKIP TO SUPP]**
  - 22 Between \$7,500 and \$9,999 **[SKIP TO POV1]**
  - 23 Between \$10,000 and \$12,499 **[SKIP TO POV1]**
  - 24 Between \$12,500 and \$14,999 **[SKIP TO POV1]**
  - 31 Between \$15,000 and \$19,999 **[SKIP TO POV1]**
  - 32 Between \$20,000 and \$24,999 **[SKIP TO POV1]**
  - 41 Between \$25,000 and \$29,999 **[SKIP TO POV1]**
  - 98 DON'T KNOW **[SKIP TO SUPP]**
  - 99 REFUSED **[SKIP TO SUPP]**
- INCOME4 **[IF INCOME2 = 1]** Would that be...?
- 42 Between \$30,000 and \$34,999 **[SKIP TO POV1]**
  - 50 Between \$35,000 and \$44,999 **[SKIP TO POV1]**
  - 60 Between \$45,000 and \$54,999 **[SKIP TO POV1]**
  - 98 DON'T KNOW **[SKIP TO SUPP]**
  - 99 REFUSED **[SKIP TO SUPP]**
- INCOME5 **[IF INCOME2 = 2]** Would that be...?
- 70 Between \$55,000 and \$64,999 **[SKIP TO SUPP]**
  - 80 Between \$65,000 and \$74,999 **[SKIP TO SUPP]**
  - 91 Between \$75,000 and \$84,999 **[SKIP TO SUPP]**
  - 92 Between \$85,000 and \$99,999 **[SKIP TO SUPP]**
  - 93 Between \$100,000 and \$124,999 **[SKIP TO SUPP]**
  - 94 Over \$125,000 **[SKIP TO SUPP]**
  - 99 DK / REF **[SKIP TO SUPP]**

- POV1 Is your gross household annual income less than \$8,050 dollars?  
**[SKIP TO POV2 IF INCOME3<>22 AND HHNUMAR<>0]**  
 1 YES [SKIP TO SUPP]  
 2 NO [SKIP TO SUPP]  
 9 DK / REF [SKIP TO SUPP]
- POV2 Is your gross household annual income less than \$10,850 dollars?  
**[SKIP TO POV3 IF INCOME3<>23 OR HHNUMAR<>1]**  
 1 YES [SKIP TO SUPP]  
 2 NO [SKIP TO SUPP]  
 9 DK / REF [SKIP TO SUPP]
- POV3 Is your gross household annual income less than \$13,650 dollars?  
**[SKIP TO POV4 IF INCOME3<>24 OR HHNUMAR<>2]**  
 1 YES [SKIP TO SUPP]  
 2 NO [SKIP TO SUPP]  
 9 DK / REF [SKIP TO SUPP]
- POV4 Is your gross household annual income less than \$16,450 dollars?  
**[SKIP TO POV5 IF INCOME3<>31 OR HHNUMAR<>3]**  
 1 YES [SKIP TO SUPP]  
 2 NO [SKIP TO SUPP]  
 9 DK / REF [SKIP TO SUPP]
- POV5 Is your gross household annual income less than \$19,250 dollars?  
**[SKIP TO POV6 IF INCOME3<>31 OR HHNUMAR<>4]**  
 1 YES [SKIP TO SUPP]  
 2 NO [SKIP TO SUPP]  
 9 DK / REF [SKIP TO SUPP]
- POV6 Is your gross household annual income less than \$22,050 dollars?  
**[SKIP TO POV7 IF INCOME3<>32 OR HHNUMAR<>5]**  
 1 YES [SKIP TO SUPP]  
 2 NO [SKIP TO SUPP]  
 9 DK / REF [SKIP TO SUPP]
- POV7 Is your gross household annual income less than \$24,850 dollars?  
**[SKIP TO POV8 IF INCOME3<>32 OR HHNUMAR<>6]**  
 1 YES [SKIP TO SUPP]  
 2 NO [SKIP TO SUPP]  
 9 DK / REF [SKIP TO SUPP]
- POV8 Is your gross household annual income less than \$27,650 dollars?  
**[SKIP TO POV9 IF INCOME3<>41 OR HHNUMAR<>7]**  
 1 YES [SKIP TO SUPP]  
 2 NO [SKIP TO SUPP]  
 9 DK / REF [SKIP TO SUPP]
- POV9 Is your gross household annual income less than \$30,450 dollars?  
**[SKIP TO POV10 IF INCOME4<>42 OR HHNUMAR<>8]**

- 1 YES [SKIP TO SUPP]
- 2 NO [SKIP TO SUPP]
- 9 DK / REF [SKIP TO SUPP]

POV10 Is your gross household annual income less than \$33,250 dollars?  
**[SKIP TO POV11 IF INCOME4<>42 OR HHNUMAR<>9]**  
1 YES [SKIP TO SUPP]  
2 NO [SKIP TO SUPP]  
9 DK / REF [SKIP TO SUPP]

POV11 Is your gross household annual income less than \$36,050 dollars?  
**[SKIP TO POV12 IF INCOME4<>50 OR HHNUMAR<>10]**  
1 YES [SKIP TO SUPP]  
2 NO [SKIP TO SUPP]  
9 DK / REF [SKIP TO SUPP]

POV12 Is your gross household annual income less than \$38,850 dollars?  
**[SKIP TO POV13 IF INCOME4<>50 OR HHNUMAR<>11]**  
1 YES [SKIP TO SUPP]  
2 NO [SKIP TO SUPP]  
9 DK / REF [SKIP TO SUPP]

POV13 Is your gross household annual income less than \$41,650 dollars?  
**[SKIP TO POV14 IF INCOME4<>50 OR HHNUMAR<>12]**  
1 YES [SKIP TO SUPP]  
2 NO [SKIP TO SUPP]  
9 DK / REF [SKIP TO SUPP]

POV14 Is your gross household annual income less than \$44,450 dollars?  
**[SKIP TO POV15 IF INCOME4<>50 OR HHNUMAR<>13]**  
1 YES [SKIP TO SUPP]  
2 NO [SKIP TO SUPP]  
9 DK / REF [SKIP TO SUPP]

POV15 Is your gross household annual income less than \$47,250 dollars?  
**[SKIP TO LOTTERY IF INCOME4<>60 OR HHNUMAR<>14]**  
1 YES [SKIP TO SUPP]  
2 NO [SKIP TO SUPP]  
9 DK / REF [SKIP TO SUPP]

## SUPPLEMENTAL INVITE

- SUPP      **[ALL]** Would you be interested in participating in another research study this summer?
- 1    Yes
  - 2    No **[SKIP TO BYE]**
- D23        **[IF SUPP = 1]** Could you please tell me your first name?
- \_\_\_\_\_
- BYE        Those are all the questions on the survey. On behalf of the State of Oregon,  
Thank you very much for your participation.

## Appendix B

### Supplemental Questionnaire

**2002 OREGON POPULATION SURVEY QUESTIONNAIRE**  
**Project #BOI-02-155**  
**Final Supplemental Questionnaire**  
**July 12<sup>th</sup>, 2002**

INT2 Hello, my name is \_\_\_\_\_, calling from Northwest Research Group. May I please speak with <NAME >?

[IF NEEDED: Respondent is <SEX>, <AGE> years old, and we last spoke to them on <date>. Respondent speaks <LANG >]

- 1 RESPONDENT AVAILABLE [CONTINUE]
- 2 RESPONDENT NOT AVAILABLE [CTRL-END, SCHEDULE CALLBACK]
- 3 RESPONDENT NO LONGER AT THIS NUMBER / WRONG NUMBER  
[SKIP TO THANK, DISPOS=24]
- 9 REFUSED [SKIP TO THANK]

INT3 Hello, this is \_\_\_\_\_ with Northwest Research Group. Earlier this (year / month) you participated in a survey we conducted for the State of Oregon. At that time you agreed to be surveyed again about your opinions and experiences, and I'm calling back to conduct that survey. It takes about 5 to 10 minutes to complete the survey. Would now be a good time for you?

- 1 YES [CONTINUE]
- 2 NO [CTRL-END, SCHEDULE CALLBACK]
- 9 REFUSED [SKIP TO THANK]

INT4 The first few questions have to do with how good a job you think Oregon is doing in several areas. For each question I ask, please tell me if you think Oregon is doing a "very good" job, "somewhat good", "somewhat bad," or a "very bad" job.

#### ROTATION BEGINNING [RANDOMIZE ST16 TO GRWTH].

ST16 How good a job do you think Oregon is doing creating jobs?

[READ LIST IF NEEDED]

- 1 (Very good job)
- 2 (Somewhat good job)
- 3 NEUTRAL [DO NOT READ]
- 4 (Somewhat bad job)
- 5 (Very bad job)
- 9 DK / REF

- ST2 How good a job do you think Oregon is doing helping individuals and families in need?  
**[READ LIST IF NEEDED]**  
 1 (Very good job)  
 2 (Somewhat good job)  
 3 NEUTRAL **[DO NOT READ]**  
 4 (Somewhat bad job)  
 5 (Very bad job)  
 9 DK / REF
- ST13 How good a job do you think Oregon is doing providing affordable access to health care?  
**[READ LIST IF NEEDED]**  
 1 (Very good job)  
 2 (Somewhat good job)  
 3 NEUTRAL **[DO NOT READ]**  
 4 (Somewhat bad job)  
 5 (Very bad job)  
 9 DK / REF
- ST4 How good a job do you think Oregon is doing providing primary and secondary education?  
**[PROMPT: Primary education is Kindergarten to Grade 8, secondary is Grades 9-12.]**  
**[READ LIST IF NEEDED]**  
 1 (Very good job)  
 2 (Somewhat good job)  
 3 NEUTRAL **[DO NOT READ]**  
 4 (Somewhat bad job)  
 5 (Very bad job)  
 9 DK / REF
- ST8 How good a job do you think Oregon is doing maintaining highways, roads, and bridges?  
**[READ LIST IF NEEDED]**  
 1 (Very good job)  
 2 (Somewhat good job)  
 3 NEUTRAL **[DO NOT READ]**  
 4 (Somewhat bad job)  
 5 (Very bad job)  
 9 DK / REF
- ST10 How good a job do you think Oregon is doing developing mass transit, such as bus systems and light rail?  
**[READ LIST IF NEEDED]**  
 1 (Very good job)  
 2 (Somewhat good job)  
 3 NEUTRAL **[DO NOT READ]**  
 4 (Somewhat bad job)  
 5 (Very bad job)  
 9 DK / REF

- ST20 How good a job do you think Oregon is doing providing government services?  
**[READ LIST IF NEEDED]**  
 1 (Very good job)  
 2 (Somewhat good job)  
 3 NEUTRAL **[DO NOT READ]**  
 4 (Somewhat bad job)  
 5 (Very bad job)  
 9 DK / REF
- ST21 How good a job do you think Oregon is doing providing community college education?  
**[READ LIST IF NEEDED]**  
 1 (Very good job)  
 2 (Somewhat good job)  
 3 NEUTRAL **[DO NOT READ]**  
 4 (Somewhat bad job)  
 5 (Very bad job)  
 9 DK / REF
- ST22 How good a job do you think Oregon is doing providing undergraduate and graduate education at public four-year colleges and universities?  
**[READ LIST IF NEEDED]**  
 1 (Very good job)  
 2 (Somewhat good job)  
 3 NEUTRAL **[DO NOT READ]**  
 4 (Somewhat bad job)  
 5 (Very bad job)  
 9 DK / REF
- ST5 How good a job do you think Oregon is doing controlling drug use?  
**[READ LIST IF NEEDED]**  
 1 (Very good job)  
 2 (Somewhat good job)  
 3 NEUTRAL **[DO NOT READ]**  
 4 (Somewhat bad job)  
 5 (Very bad job)  
 9 DK / REF
- ST14 How good a job do you think Oregon is doing controlling crime?  
**[READ LIST IF NEEDED]**  
 1 (Very good job)  
 2 (Somewhat good job)  
 3 NEUTRAL **[DO NOT READ]**  
 4 (Somewhat bad job)  
 5 (Very bad job)  
 9 DK / REF

ST6 How good a job do you think Oregon is doing protecting natural resources such as forests, rivers and farmland?

**[READ LIST IF NEEDED]**

- 1 (Very good job)
- 2 (Somewhat good job)
- 3 NEUTRAL **[DO NOT READ]**
- 4 (Somewhat bad job)
- 5 (Very bad job)
- 9 DK / REF

ST7 How good a job do you think Oregon is doing maintaining clean air and water?

**[READ LIST IF NEEDED]**

- 1 (Very good job)
- 2 (Somewhat good job)
- 3 NEUTRAL **[DO NOT READ]**
- 4 (Somewhat bad job)
- 5 (Very bad job)
- 9 DK / REF

ST9 How good a job do you think Oregon is doing providing parks and open spaces?

**[READ LIST IF NEEDED]**

- 1 (Very good job)
- 2 (Somewhat good job)
- 3 NEUTRAL **[DO NOT READ]**
- 4 (Somewhat bad job)
- 5 (Very bad job)
- 9 DK / REF

GRWTH How good a job do you think Oregon is doing managing growth and preventing sprawl?

**[READ LIST IF NEEDED]**

- 1 (Very good job)
- 2 (Somewhat good job)
- 3 NEUTRAL **[DO NOT READ]**
- 4 (Somewhat bad job)
- 5 (Very bad job)
- 9 DK / REF

## **END ROTATION**

BENCH How familiar are you with Oregon Benchmarks? Are you "very familiar," "somewhat familiar," "not too familiar," or "not at all familiar"?

- 1 Very familiar
- 2 Somewhat familiar
- 3 Not too familiar
- 4 Not at all familiar
- 9 DK / REF

- SAL1 As you may know, salmon runs have declined over the past several decades in Oregon. How important do you feel it is to improve salmon runs in Oregon? Is it...  
**[READ LIST]**
- 1 Very important
  - 2 Somewhat important
  - 3 Not too important
  - 4 Not at all important
  - 9 DK / REF
- SAL2 How much per month would you be willing to pay for water quality and habitat improvement efforts to help improve salmon runs in Oregon? Would it be...  
**[READ LIST]**
- 1 Zero dollars
  - 2 One to three dollars
  - 3 Four to six dollars
  - 4 Seven to ten dollars
  - 5 More than ten dollars
  - 9 DK / REF
- WIMP2 Now I have a question to ask about the importance you place on a certain job characteristic. This is not about your satisfaction level with your job, but how important this is to you, personally. How important is Employer provided health benefits? [NOTE: NOT A STANDARD SCALE.]  
**[READ LIST]**
- 1 Very important
  - 2 Somewhat important
  - 3 Not important
  - 9 DK / REF
- TAX1 Now, I am going to ask you a few questions about state revenues and expenses. Just your best guess is fine. Which of the following do you think is the biggest source of revenue for Oregon State government? Do you think it is... **[READ LIST]**  
**[RANDOMIZE RESPONSES 1-5]**
- 1 Corporate -income tax
  - 2 Property tax
  - 3 Personal income tax
  - 4 Lottery revenues
  - 5 Licenses and fees
  - 9 DK / REF
- TAX2 And, now thinking about how state revenues are spent, which of the following do you think makes up the biggest portion of the state government's general fund spending? Do you think it is... **[READ LIST] [RANDOMIZE RESPONSES 1-4]**
- 1 Public safety (police, corrections, etc.)
  - 2 Human resources (welfare, social programs, etc)
  - 3 Education
  - 4 All other state expenditures (including natural resources, economic development, environmental protection, etc.)
  - 9 DK / REF
- ARTS In the past twelve months, with the exception of elementary, middle or high

school performances, which of the following did you attend? Have you attended a(n)...?

**[READ ONE AT A TIME AND SELECT IF YES]**

- 1 Live classical music performance
- 2 Live jazz performance
- 3 Opera
- 4 Musical or non-musical play
- 5 Ballet or other dance performance
- 6 Art museum or gallery
- 8 DON'T KNOW / REFUSED
- 9 NONE OF THE ABOVE

BYE Those are all the questions I have. On behalf of the State of Oregon, thank you very much for participating in this survey.

## Appendix C

### Changes To Questionnaire

The following changes were made to the 2002 Oregon Population Study questionnaires. Changes refer to Base unless otherwise noted.

- Added LANG and LANG2 after HELLO.
- ST1, COM3, and ST20 were moved from the Supplemental Survey and placed after MARR.
- HISPAN and RACE were moved to follow ZIPCO.
- AGE and SEX were moved to follow RACE.
- AGE2 was added to ask of those who refused to give their exact age, what age category they fit into.
- In BORNWHR, added [PLEASE SPECIFY] to options 62 through 67.
- MOVEYRS deleted.
- RET1 added to account for retirees.
- Order of WRK2 and WRK3 reversed.
- WRK1 and SICAR reworded.
- UNEM1 moved to follow EMP.
- RET2 added to determine if respondents were currently retired.
- Deleted ROT3.
- In TRANSDR, question text changed to 3 P.M. to better match definition of rush hour.
- HIPAY and HISTR reworded to avoid possible respondent confusion.
- DISABCR reworded to match DISABCR in household grid.
- DISTYP added Other (specify) option.
- DISBL1 moved after DISBL6.
- DISBL and DISBL2 changed to be asked for each person cared for outside of home.
- CHILDCR8 added.
- LOTGAMR1A added.
- In LOTCASHR and LOTFEELR skip patterns were deleted.
- CCOSTR moved to household grid and asked of all household members under 14 years of age.
- In ELECTMOR to FUELMOR, added response option "0" if utility is included in rent or respondent did not have.
- COLSAV to OCSBSAV were added at the request of the Treasurer's Office.
- CMP series was moved from the Supplemental to the Base questionnaire.

- TEL1 through TEL4 added.
- HVLAR and HCOSTR response options changed to account for the possibility of multi-million dollar homes.
- READENG through WRITINS added at the request of the Department of Community Colleges and Workforce Development.
- INCOME was split into 5 separate questions to reduce the possibility of respondent confusion.
- DISPOS was changed to match NWRG's standard definitions.

### Weighting Methodology

The sampling design used for the 2002 Oregon Population Survey is based on the principles of probability sampling – a method of random sampling in which each member of the population has a known, nonzero probability of being included. The sample used is a state-based probability sample in which all households **with telephones** had a chance of being included in the study.

When data are used without weights, each record counts the same as any other record. Implicit in such use are the assumptions that each record has an equal selection probability and that noncoverage and nonresponse are equal among all segments of the population. When deviations from these assumptions are large enough to affect the results obtained from a data set, then weighting each record appropriately can help to adjust for assumption violations. An additional, but conceptually unrelated, reason for weighting is to make the total number of cases equal to some desired number, for example the number of persons age 18 and older in the state population. Post stratification serves as a blanket adjustment for noncoverage and nonresponse and forces the total number of cases to equal population estimates for each geographic stratum. Finally data must be weighted when a disproportionate stratified sampling method is used.

Three separate weights are developed for this data for each of three data files. For each of these weights, there is an expanded weight and a relative weight:

- **Household Weight:** This weight is applied to data in the “Household” file. The variables in this describe the household as opposed to an individual’s response. Examples of variables in this include household size, type of living unit, and household expenses. The expanded household weight shows the actual number of households in Oregon possessing the specific household characteristic of interest. The relative weight shows the number of sample elements possessing the specific household characteristic of interest.
- **Respondent Weight:** This weight is applied to data in the “Respondents Only” file. This file contains all variables that are specific to the respondent in the household, age 18 and older that completed the survey. Examples of variables in this file include personal demographic and socioeconomic characteristics, personal attitudes and behavior, and all responses to the supplemental survey questions. The expanded respondent weight shows the actual number of persons, age 18 and older, in Oregon holding having the specific characteristics.
- **Respondent Weight\_2:** This weight is applied to data in the “All Oregonians” file. This file contains variables that are specific to the respondent in the household that completed the survey as well as data regarding all other members in the household. Examples of variables in this file include personal demographic and socioeconomic characteristics, occupational characteristics, and education levels. The expanded respondent weight shows the actual number of all persons in Oregon holding having the specific characteristics.

## Household Weight – Household File

### Base Weight

The base weight reflects the probability of a household being selected for an interview. There are two factors that could potentially affect the probability of a household with a telephone being selected for the sample.

- The first factor addresses the increase in the number of households with two or more telephone lines. Current national estimates are that 25 percent of households have more than one line, and that number is growing dramatically. In the Oregon Population Survey, 20 percent of all households surveyed had two or more telephone lines. However, only 10 percent of all households had two or more telephone lines used for voice communications – that is, many of the households with multiple lines were using at least one of those lines strictly for non-voice communications.

The basic premise of sampling is that each household has an equal and known probability of being selected. Households with multiple telephone lines violate this principle as they have a greater probability of being selected than do single-line households. In addition, households with multiple telephone lines are typically more affluent than single-line households, introducing a potential bias into the sample itself as more affluent households then have a greater probability of being represented in the sample. To make this adjustment, respondents were asked the number of phone lines in a household and the likelihood of answering them.

This weight, called NPH, is the inverse of the number of residential telephone numbers that are not used strictly for non-voice communications in the respondent's household.

- The second factor addresses the number of households without any working telephone. According to the Census (supplemental survey), 1.6 percent of Oregon households do not have a working telephone and hence has a zero probability of selection. A question was included in the survey asking if at any point in 2001, the household was without telephone service – 3.4 percent of households surveyed did not have telephone service at some point in 2001. Research suggests that these households can serve as a proxy for those households without a working telephone. Households with continuous telephone service are given a weight of one (1). Households with an interruption in telephone service are given a weight of 1.47; by that representing both themselves (weight of 1) and the households with no telephone service (1.6% / 3.4% or .47).

The formula used for calculating the base weight (BASEWGT) for the household file is as follows.

$$\text{BASEWGT} = 1 / \text{NPH} * \text{NWS}$$

## Post-Stratification Weight

Data are then weighted further to adjust for any overrepresentation or underrepresentation of any single record through post stratification weighting. This method adjusts the distribution of the sample data so that, collectively, it reflects all households in the sampled area. The post stratification weight is calculated by computing the number of households in the state or a region meeting key demographic or socioeconomic characteristics by that of the sample. This factor is then multiplied by the base weight to compute an adjusted, or final-weight, variable. Weighting of the sample adjusts not only for the variation in selection and sampling probability but also for demographic characteristics so that projections can be made from the sample to the total number of households.

At the household level, three key characteristics are used in the weighting to insure representativeness of the final sample:

- **Region** – The sample design called for disproportionate stratified sampling by region, with an approximately equal number ( $n = 400$ ) of households interviewed in each of the nine (9) regions. At a minimum, an adjustment would be needed to make the final sample distribution proportionate to the number of households in any given region. In addition, household characteristics vary significantly by region. Therefore, adjustments by the remaining characteristics are done at the regional level.
- **Household Size** – While the base household weight does adjust for the number of adults in the household, research has suggested that single person households are often underrepresented in the final sample as those households with more adults have a higher probability of being at home at any given time than do households with a single occupant.
- **Race / Ethnicity** – Each household was assigned a race / ethnicity characteristics based on the characteristics of the respondent who completed the survey. There are five racial categories including: (1) White, (2) Black, (3) American Indian / Alaska Native, (4) Asian or Pacific Islander, and (5) Other. As the census data does not provide household level data for those of two or more races, if the respondent indicated they were of two or more races, they were placed in the racial group mentioned first in the interview, with the assumption that their first race is their primary race. Within each race category, there are two ethnic categories: (1) Non-Hispanic and (2) Hispanic.

The post stratification weighting process then consists of two stages. The first stage adjusts for household size as follows:

$$\text{PSTSTR}_1 = (\text{Proportion of actual households by size within a region}) / \text{Proportion of sample households by size within a region}$$

Region / HH Size	# of Actual HHs	% of Actual HHs	BEFORE WEIGHTING BY PSTSTR_1		AFTER WEIGHTING BY PSTSTR_1	
			# of Sample HHs	% of Sample HHs	# of Sample HHs	% of Sample HHs
Region 1 Multiple Person HH	411,127	30.83%	910	19.35%	1,449	30.83%
Region 1 Single Person HH	158,334	11.87	332	7.07	558	11.87
Region 2 Multiple Person HH	30,630	2.30	289	6.15	108	2.30
Region 2 Single Person HH	10,648	0.80	102	2.18	38	0.80
Region 3 Multiple Person HH	118,230	8.86	372	7.91	417	8.86
Region 3 Single Person HH	35,201	2.64	99	2.10	124	2.64
Region 4 Multiple Person HH	162,063	12.15	347	7.38	571	12.15
Region 4 Single Person HH	57,372	4.30	134	2.84	202	4.30
Region 5 Multiple Person HH	132,803	9.96	294	6.25	468	9.96
Region 5 Single Person HH	45,306	3.40	134	2.84	160	3.40
Region 6 Multiple Person HH	14,168	1.06	310	6.60	50	1.06
Region 6 Single Person HH	4,750	0.36	98	2.08	17	0.36
Region 7 Multiple Person HH	46,848	3.51	320	6.80	165	3.51
Region 7 Single Person HH	12,828	0.96	87	1.86	45	0.96
Region 8 Multiple Person HH	21,111	1.58	320	6.82	74	1.58
Region 8 Single Person HH	7,178	0.54	111	2.36	25	0.54
Region 9 Multiple Person HH	49,119	3.68	342	7.28	173	3.68
Region 9 Single Person HH	16,007	1.20	100	2.13	56	1.20
Total	1,333,723	100%	4,701	100%	4,701	100%

The second stage of post stratification weighting adjusts for the actual number of households in each region within each of the 10 possible racial / ethnic categories. This weight was computed as follows:

- Calculate the number of cases in the sample associated with each regional racial / ethnic cell.
- Calculate the post stratification weight by dividing the household total for the case's cell by the number calculated in Step 1. The formula for this calculation is as follows:

$$PSTSTR_2 = N_i / n_i \text{ where } i \text{ represents the two corresponding cells}$$

In those cases where cell sizes in the sample data base are small ( $n < 5$ ), cells are collapsed by combining racial groups while retaining ethnic origin – e.g., Black, Asian / Pacific Islander, Native American, and Other of Hispanic origin are combined into a non-white of Hispanic

origin cell. If cell sizes continue to be small ( $n < 5$ ), all non-white racial categories are collapsed into a single cell. In all regions, white Hispanic and white non-Hispanic are retained as separate cells.

Region / Race-Ethnicity	# of Actual HHs	% of Actual HHs	BEFORE WEIGHTING BY PSTSTR_2		AFTER WEIGHTING BY PSTSTR_2	
			# of Sample HHs	% of Sample HHs	# of Sample HHs	% of Sample HHs
Region 1 White Non-Hispanic	494,762	37.01%	675	14.36%	494762	37.01%
Region 1 Black Non-Hispanic	17,966	1.34	539	11.46	17966	1.34
Region 1 AIAN Non-Hispanic	8,219	0.61	76	1.61	8219	0.61
Region 1 API Non-Hispanic	29,131	2.18	394	8.38	29131	2.18
Region 1 Other Non-Hispanic	3,673	0.27	15	0.32	3673	0.27
Region 1 White Hispanic	13,013	0.97	68	1.45	13013	0.97
Region 1 Black Hispanic	565	0.04	10	0.21	565	0.04
Region 1 AIAN Hispanic	890	0.07	10	0.21	890	0.07
Region 1 API Hispanic	459	0.03	8	0.17	459	0.03
Region 1 Other Hispanic	14,692	1.10	213	4.54	14692	1.10
Region 2 White Non-Hispanic	39,593	2.96	135	2.87	39593	2.96
Region 2 Non-White Non-Hispanic	1,424	0.11	6	0.13	1424	0.11
Region 2 Hispanic	955	0.07	4	0.09	955	0.07
Region 3 White Non-Hispanic	135,331	10.12	428	9.10	135331	10.12
Region 3 Non-White Non-Hispanic	7,443	0.56	51	1.09	7443	0.56
Region 3 White Hispanic	5,096	0.38	12	0.26	5096	0.38
Region 3 Non-White Hispanic	8,881	0.66	50	1.05	8881	0.66
Region 4 White Non-Hispanic	204,870	15.33	622	13.24	204870	15.33
Region 4 Non-White Non-Hispanic	12,557	0.94	110	2.33	12557	0.94
Region 4 White Hispanic	3,685	0.28	13	0.27	3685	0.28
Region 4 Non-White Hispanic	3,463	0.26	29	0.61	3463	0.26
Region 5 White Non-Hispanic	144,046	10.78	559	11.88	144046	10.78
Region 5 Non-White Non-Hispanic	5,935	0.44	46	0.98	5935	0.44
Region 5 White Hispanic	2,839	0.21	9	0.19	2839	0.21
Region 5 Non-White Hispanic	2,327	0.17	14	0.30	2327	0.17
Region 6 White Non-Hispanic	16,748	1.25	58	1.24	16748	1.25
Region 6 Non-White Non-Hispanic	825	0.06	4	0.09	825	0.06
Region 6 Hispanic	1643	0.12	5	0.10	1643	0.12
Region 7 White Non-Hispanic	55919	4.18	184	3.92	55919	4.18
Region 7 Non-White Non-Hispanic	2380	0.18	17	0.36	2380	0.18
Region 7 White Hispanic	994	0.07	5	0.10	994	0.07
Region 7 Non-White Hispanic	1305	0.10	4	0.09	1305	0.10
Region 8 White Non-Hispanic	25740	1.93	87	1.85	25740	1.93
Region 8 Non-White Non-Hispanic	1862	0.14	7	0.14	1862	0.14
Region 8 Hispanic	1400	0.10	6	0.13	1400	0.10
Region 9 White Non-Hispanic	57703	4.32	182	3.86	57703	4.32
Region 9 Non-White Non-Hispanic	2813	0.21	22	0.46	2813	0.21

Region / Race-Ethnicity	# of Actual HHs	% of Actual HHs	BEFORE WEIGHTING BY PSTSTR_2		AFTER WEIGHTING BY PSTSTR_2	
			# of Sample HHs	% of Sample HHs	# of Sample HHs	% of Sample HHs
			Region 9 White Hispanic	1768	0.13	6
Region 9 Non-White Hispanic	3832	0.29	21	0.44	3832	0.29
Total	1336747	100%	4701	100%	1336747	100%

### Final Weights

Two final weights are then computed as follows.

- **Expansion Weight:** Multiply the base weight (BASEWGT) by the post stratification weight (PSTSTRAT). This is the case's expansion weight, which indicates the number of households in Oregon that case represents.

$$\text{HHWGTEXP} = \text{BASEWGT} * \text{PSTSTR}_1 * \text{PSTSTR}_2$$

- **Relative Weight:** To weight the cases back to the sample size, a second weight is calculated for each case by multiplying the expansion weight (EXPWGT) by the total number of cases in the sample and then dividing that product by the number of households in the population.

$$\text{HHWGTRREL} = (\text{EXPWGT} * n) / N$$

The following table shows the distribution of households in each region by their race / ethnicity following application of the final household weights.

Region / Race-Ethnicity	After Weighting by HHWGTEXP		After Weighting by HHWGTRREL	
	Frequency	% of Sample	Frequency	% of Sample
Region 1 White Non-Hispanic	494,762	37.01%	1,814	37.01%
Region 1 Black Non-Hispanic	17,966	1.34%	66	1.34%
Region 1 AIAN Non-Hispanic	8,219	0.61%	30	0.61%
Region 1 API Non-Hispanic	29,131	2.18%	107	2.18%
Region 1 Other Non-Hispanic	3,673	0.27%	13	0.27%
Region 1 White Hispanic	13,013	0.97%	48	0.97%
Region 1 Black Hispanic	565	0.04%	2	0.04%
Region 1 AIAN Hispanic	890	0.07%	3	0.07%
Region 1 API Hispanic	459	0.03%	2	0.03%
Region 1 Other Hispanic	14,692	1.10%	54	1.10%
Region 2 White Non-Hispanic	39,593	2.96%	145	2.96%
Region 2 Non-White Non-Hispanic	1,424	0.11%	5	0.11%
Region 2 Hispanic	955	0.07%	4	0.07%
Region 3 White Non-Hispanic	135,331	10.12%	496	10.12%
Region 3 Non-White Non-Hispanic	7,443	0.56%	27	0.56%
Region 3 White Hispanic	5,096	0.38%	19	0.3%
Region 3 Non-White Hispanic	8,881	0.66%	33	0.6%

Region / Race-Ethnicity	After Weighting by HHWGTEXP		After Weighting by HHWGTRREL	
	Frequency	% of Sample	Frequency	% of Sample
Region 4 White Non-Hispanic	204,870	15.33%	751	15.3%
Region 4 Non-White Non-Hispanic	12,557	0.94%	46	0.9%
Region 4 White Hispanic	3,685	0.28%	14	0.2%
Region 4 Non-White Hispanic	3,463	0.26%	13	0.2%
Region 5 White Non-Hispanic	144,046	10.78%	528	10.7%
Region 5 Non-White Non-Hispanic	5,935	0.44%	22	0.4%
Region 5 White Hispanic	2,839	0.21%	10	0.2%
Region 5 Non-White Hispanic	2,327	0.17%	9	0.1%
Region 6 White Non-Hispanic	16,748	1.25%	61	1.2%
Region 6 Non-White Non-Hispanic	825	0.06%	3	0.0%
Region 6 Hispanic	1,643	0.12%	6	0.1%
Region 7 White Non-Hispanic	55,919	4.18%	205	4.1%
Region 7 Non-White Non-Hispanic	2,380	0.18%	9	0.1%
Region 7 White Hispanic	994	0.07%	4	0.0%
Region 7 Non-White Hispanic	1,305	0.10%	5	0.1%
Region 8 White Non-Hispanic	25,740	1.93%	94	1.9%
Region 8 Non-White Non-Hispanic	1,862	0.14%	7	0.1%
Region 8 Hispanic	1,400	0.10%	5	0.1%
Region 9 White Non-Hispanic	57,703	4.32%	212	4.3%
Region 9 Non-White Non-Hispanic	2,813	0.21%	10	0.2%
Region 9 White Hispanic	1,768	0.13%	6	0.1%
Region 9 Non-White Hispanic	3,832	0.29%	14	0.2%
Total	1,336,747	100.00%	4,902	100.00%

The following table shows the number of distribution of households in each region by their household size following application of the final household weights. There are slight discrepancies in the number of sample households following application of the expanded weights as the total number of households in the census data outlining the distribution of single versus multiple person households is slightly lower than the total number of households in the census data outlining the distribution of race / ethnicity characteristics.

Region / HH Size	# of Actual HHs	% of Actual HHs	AFTER WEIGHTING BY HHWGTEXP		AFTER WEIGHTING BY HHWGTRREL	
			# of Sample HHs	% of Sample HHs	# of Sample HHs	% of Sample HHs
Region 1 Multiple Person HH	158,334	11.9%	164,828	12.3%	604	12.3%
Region 1 Single Person HH	10,648	0.8%	10,775	0.8%	40	0.8%
Region 2 Multiple Person HH	35,201	2.6%	36,707	2.7%	135	2.7%
Region 2 Single Person HH	57,372	4.3%	58,508	4.4%	215	4.4%
Region 3 Multiple Person HH	45,306	3.4%	40,238	3.0%	148	3.0%
Region 3 Single Person HH	4,750	0.4%	4,763	0.4%	17	0.4%
Region 4 Multiple Person HH	12,828	1.0%	13,218	1.0%	48	1.0%
Region 4 Single Person HH	7,178	0.5%	7,421	0.6%	27	0.6%
Region 5 Multiple Person HH	16,007	1.2%	15,970	1.2%	59	1.2%
Region 5 Single Person HH	411,127	30.8%	418,542	31.3%	1,535	31.3%

Region / HH Size	# of Actual HHs	% of Actual HHs	AFTER WEIGHTING BY HHWGTEXP		AFTER WEIGHTING BY HHWGTRRL	
			# of Sample HHs	% of Sample HHs	# of Sample HHs	% of Sample HHs
Region 6 Multiple Person HH	30,630	2.3%	31,197	2.3%	114	2.3%
Region 6 Single Person HH	118,230	8.9%	120,044	9.0%	440	9.0%
Region 7 Multiple Person HH	162,063	12.2%	166,067	12.4%	609	12.4%
Region 7 Single Person HH	132,803	10.0%	114,909	8.6%	421	8.6%
Region 8 Multiple Person HH	14,168	1.1%	14,453	1.1%	53	1.1%
Region 8 Single Person HH	46,848	3.5%	47,380	3.5%	174	3.5%
Region 9 Multiple Person HH	21,111	1.6%	21,581	1.6%	79	1.6%
Region 9 Single Person HH	49,119	3.7%	50,146	3.8%	184	3.8%
Total	1333723	100.0%	1336747	100.0%	4,902	100.0%

## Household Weight – Household File

### Base Weight

The base weight reflects the probability of an individual in a household being selected for an interview. There are three factors that could potentially affect the probability of a specific individual, age 18 and older, in any Oregon household being selected for the sample.

- The first factor addresses the increase in the number of households with two or more telephone lines. Current national estimates are that 25 percent of households have more than one line, and that number is growing dramatically. In the Oregon Population Survey, 20 percent of all households surveyed had two or more telephone lines. However, only 10 percent of all households had two or more telephone lines used for voice communications – that is, many of the households with multiple lines were using at least one of those lines strictly for non-voice communications.

The basic premise of sampling is that each household has an equal and known probability of being selected. Households with multiple telephone lines violate this principle as they have a greater probability of being selected than do single-line households. In addition, households with multiple telephone lines are typically more affluent than single-line households, introducing a potential bias into the sample itself as more affluent households then have a greater probability of being represented in the sample. To make this adjustment, respondents were asked the number of phone lines in a household and the likelihood of answering them.

This weight, called NPH, is the inverse of the number of residential telephone numbers that are not used strictly for non-voice communications, in the respondent's household.

- The second factor addresses the number of households without any working telephone. According to the Census (supplemental survey) 1.6 percent of Oregon households do not have a working telephone and hence has a zero probability of selection. A question was included in the survey asking if at any point in 2001, the household was without telephone service – 3.4 percent of households surveyed did not have telephone service at some point in 2001. Research suggests that these households can serve as a proxy for those households without any working telephone. Households with continuous telephone service are given a weight of one (1). Households with an interruption in telephone service are given a weight of 1.47; by that representing both themselves (weight of 1) and the households with no telephone service (1.6% / 3.4% or .47).
- The third factor addresses the number of adults in the household. A respondent is a one-adult household has four times the chance of being selected for an interview as does a respondent in a four-adult household. NAD is the number of adults in the respondent's household.

The formula used for calculating the base weight (BASEWGT) for the respondent only file is as follows.

$$\text{BASEWGT} = 1 / \text{NPH} * \text{NWS} * \text{NAD}$$

### Post-Stratification Weight

Data are then weighted further to adjust for any overrepresentation or underrepresentation of any single record through post stratification weighting. This method adjusts the distribution of the sample data so that, collectively, it reflects all households in the sampled area. The post stratification weight is calculated by computing the number of persons age 18 and older in the state or a region meeting key demographic or socioeconomic characteristics by that of the sample. This factor is then multiplied by the base weight to compute an adjusted, or final-weight, variable. Weighting of the sample adjusts not only for the variation in selection and sampling probability but also for demographic characteristics so that projections can be made from the sample to the total number of persons in the state who are 18 and older.

At the household level, three key characteristics are used in the weighting to insure representativeness of the final sample:

- **Region** – The sample design called for disproportionate stratified sampling by region, with an approximately equal number ( $n = 400$ ) of households interviewed in each of the nine (9) regions. At a minimum, an adjustment would be needed to make the final sample distribution proportionate to the number of households in any given region. In addition, household characteristics vary significantly by region. Therefore, adjustments by the remaining characteristics are done at the regional level.
- **Age and Gender** – Research shows that despite rigid sampling and calling procedures, telephone surveys can over or underrepresent key segments of the population. Notably, men between the ages of 18 and 24 are often underrepresented while women 65 and older are overrepresented. An adjustment is made at the regional level to insure that the proportion of respondents, 18 and older, in any given age bracket are represented at the same rate as in the general population, aged 18 and older. Note in some cases, respondents refused age. When sample was purchased, each sample element was given a PRIZM code. PRIZM is a demographic market segmentation system; the primary age of those in the PRIZM segment is assigned to the respondent for weighting. Portland State University has released their population forecasts for 2002 for age and gender by county. Their numbers are slightly higher than those released by the U.S. Census Bureau. Therefore, this stage of the weighting used the PSU figures while all others used Census data.
- **Race / Ethnicity** – Data are then weighted so that the respondents within each of the nine regions represent the actual proportion of a specific race or combination of races and ethnic origin (Hispanic or non-Hispanic) within the race or race combination. There are five racial categories including: (1) White, (2) Black, (3) American Indian / Alaska Native, (4) Asian or Pacific Islander, and (5) Other. As the census data does not provide household level data for those of two or more races, if the respondent indicated they were of two or more races, they are placed in the racial group mentioned first in the interview, with the assumption that their

first race is their primary race. Within each race category, there are two ethnic categories: (1) Non-Hispanic and (2) Hispanic.

The post stratification weighting process then consists of two stages. The first stage adjusts for age / gender as follows:

$PSTSTR\_1 = (\text{Proportion of actual respondents within a specific age / gender group within a region}) / (\text{Proportion of sample actual respondents within a specific age / gender group within a region})$

	# of Persons 18+	% of Persons 18+	BEFORE WEIGHTING BY PSTSTR_1		AFTER WEIGHTING BY PSTSTR_1	
			# in Sample	% of Sample	# in Sample	% of Sample
Region 1 Male 18 To 24	71,228	2.726%	135	1.53%	236	2.68%
Region 1 Male 25 To 34	122,249	4.679%	276	3.14%	412	4.68%
Region 1 Male 35 To 44	121,396	4.647%	266	3.03%	412	4.68%
Region 1 Male 45 To 54	108,707	4.161%	192	2.18%	365	4.15%
Region 1 Male 55 To 64	57,069	2.184%	116	1.32%	192	2.18%
Region 1 Male 65 To 74	33,966	1.300%	58	0.66%	111	1.26%
Region 1 Male 75 Plus	30,068	1.151%	39	0.45%	95	1.08%
Region 1 Female 18 To 24	67,672	2.590%	135	1.53%	230	2.62%
Region 1 Female 25 To 34	114,359	4.377%	295	3.35%	385	4.38%
Region 1 Female 35 To 44	121,442	4.649%	234	2.66%	405	4.60%
Region 1 Female 45 To 54	109,944	4.208%	237	2.69%	371	4.21%
Region 1 Female 55 To 64	59,061	2.261%	177	2.01%	199	2.26%
Region 1 Female 65 To 74	39,303	1.504%	106	1.21%	137	1.56%
Region 1 Female 75 Plus	48,342	1.850%	82	0.93%	170	1.94%
Region 2 Male 18 To 24	4,246	0.163%	26	0.30%	14	0.16%
Region 2 Male 25 To 34	5,839	0.224%	46	0.52%	19	0.22%
Region 2 Male 35 To 44	8,015	0.307%	55	0.63%	27	0.31%
Region 2 Male 45 To 54	8,375	0.321%	75	0.85%	29	0.32%
Region 2 Male 55 To 64	5,463	0.209%	58	0.66%	19	0.21%
Region 2 Male 65 To 74	3,912	0.150%	45	0.51%	14	0.16%
Region 2 Male 75 Plus	2,799	0.107%	17	0.19%	10	0.11%
Region 2 Female 18 To 24	4,033	0.154%	19	0.22%	13	0.14%
Region 2 Female 25 To 34	5,464	0.209%	45	0.51%	19	0.22%
Region 2 Female 35 To 44	8,026	0.307%	74	0.84%	27	0.31%
Region 2 Female 45 To 54	8,470	0.324%	86	0.98%	28	0.32%
Region 2 Female 55 To 64	5,657	0.217%	85	0.97%	19	0.21%
Region 2 Female 65 To 74	4,525	0.173%	63	0.72%	15	0.17%
Region 2 Female 75 Plus	4,439	0.170%	39	0.44%	14	0.16%
Region 3 Male 18 To 24	23,852	0.913%	44	0.50%	82	0.93%
Region 3 Male 25 To 34	30,470	1.166%	81	0.92%	106	1.21%
Region 3 Male 35 To 44	32,145	1.230%	82	0.93%	111	1.26%
Region 3 Male 45 To 54	29,306	1.122%	77	0.88%	99	1.13%
Region 3 Male 55 To 64	17,582	0.673%	59	0.67%	59	0.67%
Region 3 Male 65 To 74	12,335	0.472%	53	0.60%	40	0.46%

	# of Persons 18+	% of Persons 18+	BEFORE WEIGHTING BY PSTSTR_1		AFTER WEIGHTING BY PSTSTR_1	
			# in Sample	% of Sample	# in Sample	% of Sample
Region 3 Male 75 Plus	10,897	0.417%	23	0.26%	37	0.42%
Region 3 Female 18 To 24	22,660	0.867%	37	0.42%	77	0.87%
Region 3 Female 25 To 34	28,504	1.091%	99	1.12%	92	1.05%
Region 3 Female 35 To 44	32,160	1.231%	89	1.01%	106	1.20%
Region 3 Female 45 To 54	29,638	1.134%	132	1.50%	99	1.13%
Region 3 Female 55 To 64	18,202	0.697%	88	1.00%	62	0.70%
Region 3 Female 65 To 74	14,274	0.546%	39	0.44%	49	0.56%
Region 3 Female 75 Plus	17,553	0.672%	29	0.33%	59	0.67%
Region 4 Male 18 To 24	32,832	1.257%	71	0.81%	115	1.31%
Region 4 Male 25 To 34	35,916	1.375%	67	0.76%	122	1.38%
Region 4 Male 35 To 44	39,758	1.522%	61	0.69%	132	1.50%
Region 4 Male 45 To 54	41,507	1.589%	92	1.05%	140	1.59%
Region 4 Male 55 To 64	24,867	0.952%	54	0.61%	84	0.96%
Region 4 Male 65 To 74	17,577	0.673%	39	0.45%	59	0.67%
Region 4 Male 75 Plus	14,532	0.556%	20	0.22%	50	0.57%
Region 4 Female 18 To 24	31,193	1.194%	51	0.57%	110	1.25%
Region 4 Female 25 To 34	33,595	1.286%	62	0.70%	114	1.30%
Region 4 Female 35 To 44	39,803	1.524%	76	0.87%	138	1.57%
Region 4 Female 45 To 54	41,977	1.607%	94	1.06%	143	1.63%
Region 4 Female 55 To 64	25,745	0.985%	87	0.99%	88	1.00%
Region 4 Female 65 To 74	20,341	0.779%	73	0.83%	69	0.78%
Region 4 Female 75 Plus	23,154	0.886%	45	0.51%	77	0.88%
Region 5 Male 18 To 24	18,067	0.692%	15	0.16%	58	0.66%
Region 5 Male 25 To 34	23,755	0.909%	36	0.41%	77	0.88%
Region 5 Male 35 To 44	31,524	1.207%	45	0.51%	102	1.16%
Region 5 Male 45 To 54	34,284	1.312%	78	0.88%	114	1.29%
Region 5 Male 55 To 64	24,421	0.935%	66	0.75%	81	0.92%
Region 5 Male 65 To 74	19,241	0.737%	50	0.57%	68	0.77%
Region 5 Male 75 Plus	15,193	0.582%	18	0.20%	55	0.63%
Region 5 Female 18 To 24	17,162	0.657%	26	0.30%	57	0.65%
Region 5 Female 25 To 34	22,227	0.851%	55	0.63%	78	0.88%
Region 5 Female 35 To 44	31,576	1.209%	85	0.96%	110	1.25%
Region 5 Female 45 To 54	34,669	1.327%	106	1.21%	118	1.34%
Region 5 Female 55 To 64	25,291	0.968%	79	0.90%	86	0.98%
Region 5 Female 65 To 74	22,260	0.852%	62	0.70%	72	0.82%
Region 5 Female 75 Plus	24,127	0.924%	38	0.43%	77	0.88%
Region 6 Male 18 To 24	2,053	0.079%	16	0.18%	7	0.08%
Region 6 Male 25 To 34	2,991	0.114%	45	0.51%	10	0.11%
Region 6 Male 35 To 44	3,784	0.145%	72	0.82%	13	0.15%
Region 6 Male 45 To 54	3,637	0.139%	107	1.22%	13	0.14%
Region 6 Male 55 To 64	2,336	0.089%	41	0.46%	8	0.09%
Region 6 Male 65 To 74	1,780	0.068%	39	0.44%	6	0.07%
Region 6 Male 75 Plus	1,493	0.057%	30	0.34%	6	0.06%

	# of Persons 18+	% of Persons 18+	BEFORE WEIGHTING BY PSTSTR_1		AFTER WEIGHTING BY PSTSTR_1	
			# in Sample	% of Sample	# in Sample	% of Sample
Region 6 Female 18 To 24	1,950	0.075%	41	0.47%	6	0.07%
Region 6 Female 25 To 34	2,799	0.107%	60	0.69%	10	0.11%
Region 6 Female 35 To 44	3,789	0.145%	57	0.65%	13	0.15%
Region 6 Female 45 To 54	3,679	0.141%	103	1.17%	12	0.14%
Region 6 Female 55 To 64	2,419	0.093%	64	0.73%	8	0.09%
Region 6 Female 65 To 74	2,060	0.079%	39	0.44%	7	0.08%
Region 6 Female 75 Plus	2,394	0.092%	38	0.43%	8	0.09%
Region 7 Male 18 To 24	6,806	0.261%	30	0.34%	21	0.24%
Region 7 Male 25 To 34	10,527	0.403%	60	0.68%	33	0.38%
Region 7 Male 35 To 44	12,587	0.482%	70	0.79%	40	0.45%
Region 7 Male 45 To 54	12,314	0.471%	67	0.76%	40	0.45%
Region 7 Male 55 To 64	8,151	0.312%	66	0.74%	26	0.30%
Region 7 Male 65 To 74	5,389	0.206%	43	0.48%	19	0.22%
Region 7 Male 75 Plus	3,556	0.136%	12	0.14%	13	0.15%
Region 7 Female 18 To 24	6,465	0.247%	29	0.33%	20	0.22%
Region 7 Female 25 To 34	9,849	0.377%	64	0.73%	32	0.37%
Region 7 Female 35 To 44	12,602	0.482%	77	0.87%	41	0.47%
Region 7 Female 45 To 54	12,453	0.477%	85	0.96%	40	0.46%
Region 7 Female 55 To 64	8,442	0.323%	60	0.68%	27	0.31%
Region 7 Female 65 To 74	6,228	0.238%	62	0.71%	20	0.22%
Region 7 Female 75 Plus	5,639	0.216%	43	0.49%	18	0.20%
Region 8 Male 18 To 24	3,110	0.119%	29	0.33%	10	0.12%
Region 8 Male 25 To 34	4,139	0.158%	41	0.46%	14	0.16%
Region 8 Male 35 To 44	5,068	0.194%	54	0.61%	17	0.19%
Region 8 Male 45 To 54	5,363	0.205%	61	0.69%	18	0.21%
Region 8 Male 55 To 64	3,666	0.140%	58	0.66%	13	0.15%
Region 8 Male 65 To 74	2,782	0.106%	41	0.46%	10	0.11%
Region 8 Male 75 Plus	1,931	0.074%	13	0.15%	7	0.08%
Region 8 Female 18 To 24	2,954	0.113%	40	0.45%	10	0.11%
Region 8 Female 25 To 34	3,872	0.148%	61	0.69%	14	0.15%
Region 8 Female 35 To 44	5,074	0.194%	85	0.96%	18	0.20%
Region 8 Female 45 To 54	5,424	0.208%	125	1.41%	18	0.21%
Region 8 Female 55 To 64	3,797	0.145%	99	1.12%	13	0.14%
Region 8 Female 65 To 74	3,215	0.123%	64	0.73%	10	0.12%
Region 8 Female 75 Plus	3,059	0.117%	30	0.34%	10	0.12%
Region 9 Male 18 To 24	8,524	0.326%	54	0.61%	30	0.34%
Region 9 Male 25 To 34	10,862	0.416%	51	0.58%	38	0.44%
Region 9 Male 35 To 44	12,921	0.495%	64	0.73%	46	0.52%
Region 9 Male 45 To 54	12,466	0.477%	76	0.86%	44	0.50%
Region 9 Male 55 To 64	8,266	0.316%	62	0.70%	29	0.33%
Region 9 Male 65 To 74	5,992	0.229%	36	0.41%	21	0.24%
Region 9 Male 75 Plus	4,717	0.181%	29	0.33%	17	0.19%
Region 9 Female 18 To 24	8,098	0.310%	40	0.45%	25	0.29%

	# of Persons 18+	% of Persons 18+	BEFORE WEIGHTING BY PSTSTR_1		AFTER WEIGHTING BY PSTSTR_1	
			# in Sample	% of Sample	# in Sample	% of Sample
Region 9 Female 25 To 34	10,161	0.389%	59	0.67%	33	0.38%
Region 9 Female 35 To 44	12,932	0.495%	78	0.89%	42	0.48%
Region 9 Female 45 To 54	12,608	0.483%	115	1.31%	41	0.47%
Region 9 Female 55 To 64	8,561	0.328%	64	0.73%	28	0.32%
Region 9 Female 65 To 74	6,931	0.265%	53	0.60%	23	0.26%
Region 9 Female 75 Plus	7,589	0.290%	40	0.45%	25	0.28%
<b>Total Population 18+:</b>	<b>2,612,492</b>	<b>100.0%</b>	<b>8801</b>	<b>100.0%</b>	<b>8801</b>	<b>100.0%</b>

The second stage of post stratification weighting adjusts for the actual number of respondents 18 and older in each region within each of the 10 possible racial / ethnic categories. This weight was computed as follows:

- Calculate the number of cases in the sample associated with each regional racial / ethnic cell.
- Calculate the post stratification weight by dividing the household total for the case's cell by the number calculated in Step 1. The formula for this calculation is as follows:

$$PSTSTR_2 = N_i / n_i \text{ where } i \text{ represents the two corresponding cells.}$$

In those cases where cell sizes in the sample data base are small ( $n < 5$ ), cells are collapsed by combining racial groups while retaining ethnic origin – e.g., Black, Asian / Pacific Islander, Native American, and Other of Hispanic origin are combined into a non-white of Hispanic origin cell. If cell sizes continue to be small ( $n < 5$ ) all non-white racial categories are collapsed into a single cell. In all regions, white Hispanic and white non-Hispanic are retained as separate cells.

	Popula- tion 18+	% of Popula- tion 18+	BEFORE WEIGHTING BY PSTSTR_2		AFTER WEIGHTING BY PSTSTR_2	
			# in Sample	% of Sample	# in Sample	% of Sample
Region 1 White Non-Hispanic	895,677	34.79%	444	9.06%	895,677	34.79%
Region 1 Black Non-Hispanic	29,742	1.16%	348	7.10	29,742	1.16
Region 1 AIAN Non-Hispanic	7,582	0.29%	50	1.02	7,582	0.29
Region 1 API Non-Hispanic	58,888	2.29%	257	5.24	58,888	2.29
Region 1 Other Non-Hispanic	23,179	0.90%	10	0.20	23,179	0.90
Region 1 White Hispanic	28,600	1.11%	43	0.88	28,600	1.11
Region 1 Black Hispanic	817	0.03%	6	0.12	817	0.03
Region 1 AIAN Hispanic	1,229	0.05%	6	0.12	1,229	0.05
Region 1 API Hispanic	522	0.02%	5	0.10	522	0.02
Region 1 Other Hispanic	42,595	1.65%	133	2.71	42,595	1.65

	Popula- tion 18+	% of Popula- tion 18+	BEFORE WEIGHTING BY PSTSTR_2		AFTER WEIGHTING BY PSTSTR_2	
			# in Sample	% of Sample	# in Sample	% of Sample
Region 2 White Non-Hispanic	72,466	2.81%	381	7.77	72,466	2.81
Region 2 Non-White Non-Hispanic	2,961	0.11%	18	0.37	2,961	0.11
Region 2 White Hispanic	1,190	0.05%	4	0.08	1,190	0.05
Region 2 Non-White Hispanic	1,103	0.04%	8	0.16	1,103	0.04
Region 3 White Non-Hispanic	260,973	10.14%	393	8.02	260,973	10.14
Region 3 Non-White Non-Hispanic	17,124	0.67%	47	0.96	17,124	0.67
Region 3 White Hispanic	12,345	0.48%	11	0.22	12,345	0.48
Region 3 Non-White Hispanic	25,143	0.98%	45	0.92	25,143	0.98
Region 4 White Non-Hispanic	380,718	14.79%	405	8.26	380,718	14.79
Region 4 Non-White Non-Hispanic	25,432	0.99%	70	1.43	25,432	0.99
Region 4 White Hispanic	7,275	0.28%	8	0.16	7,275	0.28
Region 4 Non-White Hispanic	8,398	0.33%	17	0.35	8,398	0.33
Region 5 White Non-Hispanic	310,549	12.06%	397	8.10	310,549	12.06
Region 5 Non-White Non-Hispanic	14,603	0.57%	30	0.61	14,603	0.57
Region 5 White Hispanic	6,320	0.25%	6	0.12	6,320	0.25
Region 5 Non-White Hispanic	6,193	0.24%	10	0.20	6,193	0.24
Region 6 White Non-Hispanic	30,510	1.18%	374	7.63	30,510	1.18
Region 6 Non-White Non-Hispanic	1,701	0.07%	25	0.51	1,701	0.07
Region 6 Hispanic	4,336	0.17%	28	0.57	4,336	0.17
Region 7 White Non-Hispanic	104,246	4.05%	375	7.65	104,246	4.05
Region 7 Non-White Non-Hispanic	4,911	0.19%	32	0.65	4,911	0.19
Region 7 White Hispanic	1,947	0.08%	9	0.18	1,947	0.08
Region 7 Non-White Hispanic	3,105	0.12%	9	0.18	3,105	0.12
Region 8 White Non-Hispanic	46,328	1.80%	386	7.87	46,328	1.80
Region 8 Non-White Non-Hispanic	3,536	0.14%	28	0.57	3,536	0.14
Region 8 White Hispanic	1,235	0.05%	6	0.12	1,235	0.05
Region 8 Non-White Hispanic	1,781	0.07%	20	0.41	1,781	0.07
Region 9 White Non-Hispanic	109,917	4.27%	365	7.45	109,917	4.27
Region 9 Non-White Non-Hispanic	6,291	0.24%	43	0.88	6,291	0.24
Region 9 White Hispanic	3,689	0.14%	12	0.24	3,689	0.14
Region 9 Non-White Hispanic	9,716	0.38%	38	0.78	9,716	0.38
Total in Population 18 Plus	2,574,827	100.0%	4902	100.0%	2,574,872	100.0%

## Final Respondent Weight

Two final weights are then computed as follows.

- Expansion Weight:** Multiple the base weight (BASEWGT) times the two post stratification weights (PSTSTRAT\_1 and PSTSTR\_2). This is the case's expansion weight, which indicates the number of individuals in the population that case represents.

$$\text{EXPWGT} = \text{BASEWGT} * \text{PSTSTR}_1 * \text{PSTSTR}_2$$

- Relative Weight:** To weight the cases back to the sample size, a second weight is calculated for each case by multiplying the expansion weight (EXPWGT) by the total number of cases in the sample and then dividing that product by the number of individuals in the population.

$$\text{RELWGT} = (\text{EXPWGT} * n) / N$$

The following table shows the number of distribution of person 18 and older in each region by their race / ethnicity following application of the final respondent weights.

	After Weighting by HHWGTEXP		After Weighting by HHWGTREL	
	# in Sample	% of Sample	# in Sample	% of Sample
Region 1 White Non-Hispanic	895,677	34.79%	1,705	34.79%
Region 1 Black Non-Hispanic	29,742	1.16	57	1.16
Region 1 AIAN Non-Hispanic	7,582	0.29	14	0.29
Region 1 API Non-Hispanic	58,888	2.29	112	2.29
Region 1 Other Non-Hispanic	23,179	0.90	44	0.90
Region 1 White Hispanic	28,600	1.11	54	1.11
Region 1 Black Hispanic	817	0.03	2	0.03
Region 1 AIAN Hispanic	1,229	0.05	2	0.05
Region 1 API Hispanic	522	0.02	1	0.02
Region 1 Other Hispanic	42,595	1.65	81	1.65
Region 2 White Non-Hispanic	72,466	2.81	138	2.81
Region 2 Non-White Non-Hispanic	2,961	0.11	6	0.11
Region 2 White Hispanic	1,190	0.05	2	0.05
Region 2 Non-White Hispanic	1,103	0.04	2	0.04
Region 3 White Non-Hispanic	260,973	10.14	497	10.14
Region 3 Non-White Non-Hispanic	17,124	0.67	33	0.67
Region 3 White Hispanic	12,345	0.48	24	0.48
Region 3 Non-White Hispanic	25,143	0.98	48	0.98
Region 4 White Non-Hispanic	380,718	14.79	725	14.79
Region 4 Non-White Non-Hispanic	25,432	0.99	48	0.99
Region 4 White Hispanic	7,275	0.28	14	0.28
Region 4 Non-White Hispanic	8,398	0.33	16	0.33
Region 5 White Non-Hispanic	310,549	12.06	591	12.06
Region 5 Non-White Non-Hispanic	14,603	0.57	28	0.57
Region 5 White Hispanic	6,320	0.25	12	0.25
Region 5 Non-White Hispanic	6,193	0.24	12	0.24

	After Weighting by HHWGTEXP		After Weighting by HHWGTREL	
	# in Sample	% of Sample	# in Sample	% of Sample
Region 6 White Non-Hispanic	30,510	1.18	58	1.18
Region 6 Non-White Non-Hispanic	1,701	0.07	3	0.07
Region 6 Hispanic	4,336	0.17	8	0.17
Region 7 White Non-Hispanic	104,246	4.05	198	4.05
Region 7 Non-White Non-Hispanic	4,911	0.19	9	0.19
Region 7 White Hispanic	1,947	0.08	4	0.08
Region 7 Non-White Hispanic	3,105	0.12	6	0.12
Region 8 White Non-Hispanic	46,328	1.80	88	1.80
Region 8 Non-White Non-Hispanic	3,536	0.14	7	0.14
Region 8 White Hispanic	1,235	0.05	2	0.05
Region 8 Non-White Hispanic	1,781	0.07	3	0.07
Region 9 White Non-Hispanic	109,917	4.27	209	4.27
Region 9 Non-White Non-Hispanic	6,291	0.24	12	0.24
Region 9 White Hispanic	3,689	0.14	7	0.14
Region 9 Non-White Hispanic	9,716	0.38	18	0.38
Total in Population 18 Plus	2,574,872	100.00	4,902	100.00

The following table shows the number of distribution of persons 18 and older in each region by their age and gender following application of the final household weights. There are slight discrepancies in the number of sample households following application of the expanded weights as the total number of households in the census data outlining the distribution of age / gender categories for the 18 plus population is slightly lower than the total number of persons 18 plus in the census data outlining the distribution of race / ethnicity characteristics.

	POPULATION		AFTER WEIGHTING BY HHWGTEXP		AFTER WEIGHTING BY HHWGTREL	
	# of Population 18+	% of Population 18+	# of Sample HHs	% of Sample HHs	# of Sample HHs	% of Sample HHs
Region 1 Male 18 To 24	68,941	2.68%	53,510	2.10	102	2.08
Region 1 Male 25 To 34	120,482	4.68%	90,990	3.50	173	3.53
Region 1 Male 35 To 44	120,643	4.68%	101,642	3.90	194	3.95
Region 1 Male 45 To 54	106,922	4.15%	117,650	4.60	224	4.57
Region 1 Male 55 To 64	56,124	2.18%	73,601	2.90	140	2.86
Region 1 Male 65 To 74	32,522	1.26%	41,329	1.60	79	1.61
Region 1 Male 75 Plus	27,883	1.08%	34,798	1.40	66	1.35
Region 1 Female 18 To 24	67,431	2.62%	73,861	2.90	141	2.87
Region 1 Female 25 To 34	112,755	4.38%	101,909	4.00	194	3.96
Region 1 Female 35 To 44	118,502	4.60%	109,972	4.30	209	4.27
Region 1 Female 45 To 54	108,430	4.21%	121,286	4.70	231	4.71
Region 1 Female 55 To 64	58,215	2.26%	77,869	3.00	148	3.02
Region 1 Female 65 To 74	40,121	1.56%	41,849	1.60	80	1.63
Region 1 Female 75 Plus	49,860	1.94%	48,564	1.90	92	1.89
Region 2 Male 18 To 24	4,089	0.16%	4,202	0.20	8	0.16
Region 2 Male 25 To 34	5,579	0.22%	5,584	0.20	11	0.22

	Population 18+	% of Population 18+	AFTER WEIGHTING BY HHWGTEXP		AFTER WEIGHTING BY HHWGTRREL	
			# of Sample HHs	% of Sample HHs	# of Sample HHs	% of Sample HHs
Region 2 Male 35 To 44	7,881	0.31%	7,767	0.30	15	0.30
Region 2 Male 45 To 54	8,354	0.32%	8,449	0.30	16	0.33
Region 2 Male 55 To 64	5,443	0.21%	5,441	0.20	10	0.21
Region 2 Male 65 To 74	4,033	0.16%	4,019	0.20	8	0.16
Region 2 Male 75 Plus	2,900	0.11%	2,933	0.10	6	0.11
Region 2 Female 18 To 24	3,695	0.14%	3,462	0.10	7	0.13
Region 2 Female 25 To 34	5,563	0.22%	5,429	0.20	10	0.21
Region 2 Female 35 To 44	7,919	0.31%	8,009	0.30	15	0.31
Region 2 Female 45 To 54	8,267	0.32%	8,431	0.30	16	0.33
Region 2 Female 55 To 64	5,525	0.21%	5,472	0.20	10	0.21
Region 2 Female 65 To 74	4,260	0.17%	4,308	0.20	8	0.17
Region 2 Female 75 Plus	4,212	0.16%	4,211	0.20	8	0.16
Region 3 Male 18 To 24	23,968	0.93%	19,364	0.80	37	0.75
Region 3 Male 25 To 34	31,123	1.21%	31,362	1.20	60	1.22
Region 3 Male 35 To 44	32,514	1.26%	31,730	1.20	60	1.23
Region 3 Male 45 To 54	29,017	1.13%	30,007	1.20	57	1.17
Region 3 Male 55 To 64	17,190	0.67%	17,569	0.70	33	0.68
Region 3 Male 65 To 74	11,833	0.46%	12,482	0.50	24	0.48
Region 3 Male 75 Plus	10,801	0.42%	11,440	0.40	22	0.44
Region 3 Female 18 To 24	22,392	0.87%	20,850	0.80	40	0.81
Region 3 Female 25 To 34	26,984	1.05%	26,025	1.00	50	1.01
Region 3 Female 35 To 44	30,876	1.20%	30,529	1.20	58	1.19
Region 3 Female 45 To 54	29,054	1.13%	30,849	1.20	59	1.20
Region 3 Female 55 To 64	18,041	0.70%	18,191	0.70	35	0.71
Region 3 Female 65 To 74	14,462	0.56%	16,293	0.60	31	0.63
Region 3 Female 75 Plus	17,330	0.67%	18,894	0.70	36	0.73
Region 4 Male 18 To 24	33,790	1.31%	26,130	1.00	50	1.01
Region 4 Male 25 To 34	35,650	1.38%	31,357	1.20	60	1.22
Region 4 Male 35 To 44	38,546	1.50%	38,457	1.50	73	1.49
Region 4 Male 45 To 54	40,949	1.59%	41,749	1.60	79	1.62
Region 4 Male 55 To 64	24,595	0.96%	25,613	1.00	49	0.99
Region 4 Male 65 To 74	17,200	0.67%	17,957	0.70	34	0.70
Region 4 Male 75 Plus	14,590	0.57%	15,496	0.60	30	0.60
Region 4 Female 18 To 24	32,212	1.25%	32,560	1.30	62	1.26
Region 4 Female 25 To 34	33,367	1.30%	33,299	1.30	63	1.29
Region 4 Female 35 To 44	40,443	1.57%	41,878	1.60	80	1.63
Region 4 Female 45 To 54	41,954	1.63%	41,112	1.60	78	1.60
Region 4 Female 55 To 64	25,697	1.00%	28,380	1.10	54	1.10
Region 4 Female 65 To 74	20,211	0.78%	22,085	0.90	42	0.86
Region 4 Female 75 Plus	22,619	0.88%	25,750	1.00	49	1.00
Region 5 Male 18 To 24	16,914	0.66%	13,615	0.50	26	0.53
Region 5 Male 25 To 34	22,537	0.88%	22,834	0.90	43	0.89
Region 5 Male 35 To 44	29,841	1.16%	28,716	1.10	55	1.12
Region 5 Male 45 To 54	33,303	1.29%	32,589	1.30	62	1.27

	Population 18+	% of Population 18+	AFTER WEIGHTING BY HHWGTEXP		AFTER WEIGHTING BY HHWGTRREL	
			# of Sample HHs	% of Sample HHs	# of Sample HHs	% of Sample HHs
Region 5 Male 55 To 64	23,795	0.92%	24,296	0.90	46	0.94
Region 5 Male 65 To 74	19,768	0.77%	20,438	0.80	39	0.79
Region 5 Male 75 Plus	16,236	0.63%	17,010	0.70	32	0.66
Region 5 Female 18 To 24	16,722	0.65%	16,491	0.60	31	0.64
Region 5 Female 25 To 34	22,750	0.88%	22,148	0.90	42	0.86
Region 5 Female 35 To 44	32,274	1.25%	32,947	1.30	63	1.28
Region 5 Female 45 To 54	34,593	1.34%	34,561	1.30	66	1.34
Region 5 Female 55 To 64	25,172	0.98%	26,360	1.00	50	1.02
Region 5 Female 65 To 74	21,189	0.82%	22,014	0.90	42	0.85
Region 5 Female 75 Plus	22,571	0.88%	23,647	0.90	45	0.92
Region 6 Male 18 To 24	1,956	0.08%	2,056	0.10	4	0.08
Region 6 Male 25 To 34	2,894	0.11%	3,118	0.10	6	0.12
Region 6 Male 35 To 44	3,737	0.15%	3,730	0.10	7	0.14
Region 6 Male 45 To 54	3,699	0.14%	3,628	0.10	7	0.14
Region 6 Male 55 To 64	2,353	0.09%	2,308	0.10	4	0.09
Region 6 Male 65 To 74	1,768	0.07%	1,695	0.10	3	0.07
Region 6 Male 75 Plus	1,610	0.06%	1,539	0.10	3	0.06
Region 6 Female 18 To 24	1,753	0.07%	1,794	0.10	3	0.07
Region 6 Female 25 To 34	2,832	0.11%	2,888	0.10	5	0.11
Region 6 Female 35 To 44	3,770	0.15%	3,801	0.10	7	0.15
Region 6 Female 45 To 54	3,541	0.14%	3,484	0.10	7	0.14
Region 6 Female 55 To 64	2,346	0.09%	2,315	0.10	4	0.09
Region 6 Female 65 To 74	2,043	0.08%	1,987	0.10	4	0.08
Region 6 Female 75 Plus	2,245	0.09%	2,205	0.10	4	0.09
Region 7 Male 18 To 24	6,193	0.24%	5,989	0.20	11	0.23
Region 7 Male 25 To 34	9,799	0.38%	10,321	0.40	20	0.40
Region 7 Male 35 To 44	11,648	0.45%	11,316	0.40	22	0.44
Region 7 Male 45 To 54	11,590	0.45%	11,527	0.40	22	0.45
Region 7 Male 55 To 64	7,744	0.30%	7,919	0.30	15	0.31
Region 7 Male 65 To 74	5,605	0.22%	5,849	0.20	11	0.23
Region 7 Male 75 Plus	3,801	0.15%	4,077	0.20	8	0.16
Region 7 Female 18 To 24	5,762	0.22%	4,618	0.20	9	0.18
Region 7 Female 25 To 34	9,429	0.37%	9,145	0.40	17	0.36
Region 7 Female 35 To 44	12,112	0.47%	11,803	0.50	22	0.46
Region 7 Female 45 To 54	11,739	0.46%	12,035	0.50	23	0.47
Region 7 Female 55 To 64	7,923	0.31%	8,252	0.30	16	0.32
Region 7 Female 65 To 74	5,710	0.22%	5,878	0.20	11	0.23
Region 7 Female 75 Plus	5,154	0.20%	5,479	0.20	10	0.21
Region 8 Male 18 To 24	3,053	0.12%	2,512	0.10	5	0.10
Region 8 Male 25 To 34	3,993	0.16%	3,989	0.20	8	0.15
Region 8 Male 35 To 44	4,949	0.19%	5,055	0.20	10	0.20
Region 8 Male 45 To 54	5,358	0.21%	5,321	0.20	10	0.21
Region 8 Male 55 To 64	3,759	0.15%	3,800	0.10	7	0.15
Region 8 Male 65 To 74	2,876	0.11%	2,873	0.10	5	0.11

			AFTER WEIGHTING BY HHWGTEXP		AFTER WEIGHTING BY HHWGTRRL	
	Population 18+	% of Population 18+	# of Sample HHs	% of Sample HHs	# of Sample HHs	% of Sample HHs
Region 8 Male 75 Plus	2,103	0.08%	2,163	0.10	4	0.08
Region 8 Female 18 To 24	2,792	0.11%	2,873	0.10	5	0.11
Region 8 Female 25 To 34	3,973	0.15%	3,890	0.20	7	0.15
Region 8 Female 35 To 44	5,141	0.20%	5,071	0.20	10	0.20
Region 8 Female 45 To 54	5,366	0.21%	5,438	0.20	10	0.21
Region 8 Female 55 To 64	3,662	0.14%	3,670	0.10	7	0.14
Region 8 Female 65 To 74	3,041	0.12%	3,095	0.10	6	0.12
Region 8 Female 75 Plus	3,045	0.12%	3,131	0.10	6	0.12
Region 9 Male 18 To 24	8,836	0.34%	7,985	0.30	15	0.31
Region 9 Male 25 To 34	11,211	0.44%	10,839	0.40	21	0.42
Region 9 Male 35 To 44	13,396	0.52%	13,770	0.50	26	0.53
Region 9 Male 45 To 54	12,986	0.50%	13,026	0.50	25	0.51
Region 9 Male 55 To 64	8,584	0.33%	8,649	0.30	16	0.34
Region 9 Male 65 To 74	6,098	0.24%	6,394	0.20	12	0.25
Region 9 Male 75 Plus	4,850	0.19%	4,874	0.20	9	0.19
Region 9 Female 18 To 24	7,385	0.29%	6,934	0.30	13	0.27
Region 9 Female 25 To 34	9,774	0.38%	9,626	0.40	18	0.37
Region 9 Female 35 To 44	12,382	0.48%	12,541	0.50	24	0.49
Region 9 Female 45 To 54	12,033	0.47%	12,374	0.50	24	0.48
Region 9 Female 55 To 64	8,220	0.32%	8,793	0.30	17	0.34
Region 9 Female 65 To 74	6,602	0.26%	6,894	0.30	13	0.27
Region 9 Female 75 Plus	7,256	0.28%	6,916	0.30	13	0.27
Total Population 18 and up:	2,575,104	100.00%	2,574,872	100.00	4,902	100.00

## Respondent Weight – All Oregonians File

### Base Weight

The base weight reflects the probability of an individual in a household being selected for an interview. The process is nearly identical to that used in developing the weights for the respondent 18 and older in the household that was interviewed, with one exception. Here there are only two factors that could potentially affect the probability of a specific individual in any Oregon household being selected for the sample.

- The first factor addresses the increase in the number of households with two or more telephone lines. Current national estimates are that 25 percent of households have more than one line, and that number is growing dramatically. In the Oregon Population Survey, 20 percent of all households surveyed had two or more telephone lines. However, only 10 percent of all households had two or more telephone lines used for voice communications – that is, many of the households with multiple lines were using at least one of those lines strictly for non-voice communications.

The basic premise of sampling is that each household has an equal and known probability of being selected. Households with multiple telephone lines violate this principle as they have a greater probability of being selected than do single-line households. In addition, households with multiple telephone lines are typically more affluent than single-line households, introducing a potential bias into the sample itself as more affluent households then have a greater probability of being represented in the sample. To make this adjustment, respondents were asked the number of phone lines in a household and the likelihood of answering them.

This weight, called NPH, is the inverse of the number of residential telephone numbers that are not used strictly for non-voice communications in the respondent's household.

- The second factor addresses the number of households without any working telephone. According to the Census (supplemental survey), 1.6 percent of Oregon households do not have a working telephone and hence has a zero probability of selection. A question was included in the survey asking if at any point in 2001, the household was without telephone service – 3.4 percent of households surveyed did not have telephone service at some point in 2001. Research suggests that these households can serve as a proxy for those households without a working telephone. Households with continuous telephone service are given a weight of one (1). Households with an interruption in telephone service are given a weight of 1.47; by that representing both themselves (weight of 1) and the households with no telephone service ( $1.6\% / 3.4\%$  or .47).
- As all persons in the household were surveyed, they all had an equal probability of selection. Therefore, unlike the respondent 18 plus weight, there is no adjustment for the number of adults in the household.

The formula used for calculating the base weight (BASEWGT) for the All Oregonians file is as follows.

$$\text{BASEWGT} = 1 / \text{NPH} * \text{NWS}$$

### Post-Stratification Weight

Data are then weighted further to adjust for any overrepresentation or underrepresentation of any single record through post stratification weighting. This method adjusts the distribution of the sample data so that, collectively, it reflects all households in the sampled area. The post stratification weight is calculated by computing the number of persons age 18 and older in the state or a region meeting key demographic or socioeconomic characteristics by that of the sample. This factor is then multiplied by the base weight to compute an adjusted, or final-weight, variable. Weighting of the sample adjusts not only for the variation in selection and sampling probability but also for demographic characteristics so that projections can be made from the sample to the total number of persons in the state who are 18 and older.

At the household level three key characteristics are used in the weighting to insure representativeness of the final sample:

- **Region** – The sample design called for disproportionate stratified sampling by region, with an approximately equal number (n = 400) of households interviewed in each of the nine (9) regions. At a minimum, an adjustment would be needed to make the final sample distribution proportionate to the number of household in any given region. In addition, household characteristics vary significantly by region. Therefore, adjustments by the remaining characteristics are always done at the regional level.
- **Age and Gender** – Research shows that despite rigid sampling and calling procedures, telephone surveys can over or underrepresent key segments of the population. Notably, men between the ages of 18 and 24 are often underrepresented while women 65 and older are overrepresented. An adjustment is made at the regional level to insure that the proportion of respondents, 18 and older, in any given age bracket are represented at the same rate as in the general population, aged 18 and older. Note in some cases, respondents refused age. When sample was purchased, each sample element was given a PRIZM code. PRIZM is a demographic market segmentation system; the primary age of those in the PRIZM segment is assigned to the respondent for weighting. For those respondents for which PRIZM data is not available, they were grouped into broad age categories (< 18, 18 to 64, and 65 plus).
- **Race / Ethnicity** – Data are then weighted so that the respondents within each of the nine regions represent the actual proportion of a specific race or combination of races and ethnic origin (Hispanic or non-Hispanic) within the race or race combination. There are five racial categories including: (1) White, (2) Black, (3) American Indian / Alaska Native, (4) Asian or Pacific Islander, and (5) Other. As the census data does not provide household level data for those of two or more races, if the respondent indicated they were of two or more races, they are placed in the racial group mentioned first in the interview, with the assumption that their first race is their primary race. Within each race category, there are two ethnic categories: (1) Non-Hispanic and (2) Hispanic.

The post stratification weighting process then consists of two stages. The first stage adjusts for age / gender as follows:

PSTSTR\_1 = (Proportion of actual respondents within a specific age / gender group within a region) / Proportion of sample actual respondents within a specific age / gender group within a region)

	Pop-ulation	% Of Pop.	BEFORE WEIGHTING BY PSTSTR_1		AFTER WEIGHTING BY PSTSTR_1	
			# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 1 Male Under 5	52,628	1.52%	115	0.98	177	1.50
Region 1 Male 5 To 14	103,362	2.98%	272	2.31	347	2.94
Region 1 Male 15 To 17	29,827	0.86%	67	0.57	100	0.85
Region 1 Male 18 To 19	19,885	0.57%	40	0.34	67	0.57
Region 1 Male 20 To 24	51,344	1.48%	123	1.04	172	1.46
Region 1 Male 25 To 34	122,249	3.52%	303	2.57	410	3.48
Region 1 Male 35 To 44	121,396	3.50%	258	2.19	407	3.46
Region 1 Male 45 To 54	108,707	3.13%	178	1.51	365	3.10
Region 1 Male 55 To 64	57,069	1.64%	116	0.98	191	1.63
Region 1 Male 65 To 74	33,966	0.98%	61	0.52	114	0.97
Region 1 Male 75 Plus	30,068	0.87%	54	0.46	101	0.86
Region 1 Male Under 18	185,817	5.35%	4	0.03	7	0.06
Region 1 Male 18 To 64	480,648	13.84%	19	0.16	18	0.16
Region 1 Male 65 Plus	64,033	1.84%	2	0.02	2	0.02
Region 1 Female Under 5	50,218	1.45%	122	1.04	168	1.43
Region 1 Female 5 To 14	98,161	2.83%	216	1.83	329	2.80
Region 1 Female 15 To 17	28,299	0.82%	59	0.50	95	0.81
Region 1 Female 18 To 19	18,866	0.54%	46	0.39	63	0.54
Region 1 Female 20 To 24	48,806	1.41%	128	1.09	164	1.39
Region 1 Female 25 To 34	114,359	3.29%	291	2.47	384	3.26
Region 1 Female 35 To 44	121,442	3.50%	221	1.88	407	3.46
Region 1 Female 45 To 54	109,944	3.17%	197	1.67	369	3.13
Region 1 Female 55 To 64	59,061	1.70%	144	1.22	198	1.68
Region 1 Female 65 To 74	39,303	1.13%	87	0.74	132	1.12
Region 1 Female 75 Plus	48,342	1.39%	73	0.62	162	1.38
Region 1 Female Under 18	176,677	5.09%	4	0.03	7	0.06
Region 1 Female 18 To 64	472,478	13.61%	23	0.19	18	0.15
Region 1 Female 65 Plus	87,646	2.52%	4	0.03	3	0.03
Region 2 Male Under 5	2,963	0.09%	22	0.19	10	0.08
Region 2 Male 5 To 14	7,692	0.22%	54	0.46	26	0.22
Region 2 Male 15 To 17	2,412	0.07%	24	0.20	8	0.07
Region 2 Male 18 To 19	1,608	0.05%	23	0.19	5	0.05
Region 2 Male 20 To 24	2,637	0.08%	20	0.17	9	0.08
Region 2 Male 25 To 34	5,839	0.17%	51	0.44	20	0.17
Region 2 Male 35 To 44	8,015	0.23%	57	0.48	27	0.23
Region 2 Male 45 To 54	8,375	0.24%	69	0.58	28	0.24
Region 2 Male 55 To 64	5,463	0.16%	60	0.51	18	0.16
Region 2 Male 65 To 74	3,912	0.11%	41	0.35	13	0.11
Region 2 Male 75 Plus	2,799	0.08%	26	0.22	9	0.08
Region 2 Male	51,716	1.49%	1	0.01	2	0.02
Region 2 Female Under 5	2,827	0.08%	25	0.21	9	0.08

	Pop-ulation	% Of Pop.	BEFORE WEIGHTING BY PSTSTR_1		AFTER WEIGHTING BY PSTSTR_1	
			# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 2 Female 5 To 14	7,304	0.21%	47	0.40	25	0.21
Region 2 Female 15 To 17	2,289	0.07%	27	0.23	8	0.07
Region 2 Female 18 To 19	1,526	0.04%	9	0.07	5	0.04
Region 2 Female 20 To 24	2,507	0.07%	26	0.22	8	0.07
Region 2 Female 25 To 34	5,464	0.16%	46	0.39	18	0.16
Region 2 Female 35 To 44	8,026	0.23%	66	0.56	27	0.23
Region 2 Female 45 To 54	8,470	0.24%	71	0.60	28	0.24
Region 2 Female 55 To 64	5,657	0.16%	72	0.61	19	0.16
Region 2 Female 65 To 74	4,525	0.13%	53	0.45	15	0.13
Region 2 Female 75 Plus	4,439	0.13%	39	0.33	15	0.13
Region 2 Female Under 18	12,420	0.36%	2	0.02	0	0.00
Region 2 Female 18 To 64	31,650	0.91%	4	0.03	1	0.01
Region 2 Female 65 Plus	8,965	0.26%	1	0.01	0	0.00
Region 3 Male Under 5	16,441	0.47%	39	0.33	55	0.47
Region 3 Male 5 To 14	33,752	0.97%	92	0.78	113	0.96
Region 3 Male 15 To 17	10,744	0.31%	36	0.31	36	0.31
Region 3 Male 18 To 19	7,163	0.21%	17	0.14	24	0.20
Region 3 Male 20 To 24	16,689	0.48%	38	0.32	56	0.48
Region 3 Male 25 To 34	30,470	0.88%	84	0.71	102	0.87
Region 3 Male 35 To 44	32,145	0.93%	90	0.77	108	0.92
Region 3 Male 45 To 54	29,306	0.84%	86	0.73	98	0.83
Region 3 Male 55 To 64	17,582	0.51%	59	0.50	59	0.50
Region 3 Male 65 To 74	12,335	0.36%	44	0.37	41	0.35
Region 3 Male 75 Plus	10,897	0.31%	19	0.16	37	0.31
Region 3 Male Under 18	60,937	1.76%	1	0.00	2	0.02
Region 3 Male 18 Plus	156,586	4.51%	4	0.03	6	0.05
Region 3 Female Under 5	15,688	0.45%	34	0.29	53	0.45
Region 3 Female 5 To 14	32,053	0.92%	95	0.81	108	0.91
Region 3 Female 15 To 17	10,194	0.29%	30	0.25	34	0.29
Region 3 Female 18 To 19	6,796	0.20%	13	0.11	23	0.19
Region 3 Female 20 To 24	15,864	0.46%	38	0.32	53	0.45
Region 3 Female 25 To 34	28,504	0.82%	92	0.78	96	0.81
Region 3 Female 35 To 44	32,160	0.93%	75	0.64	108	0.92
Region 3 Female 45 To 54	29,638	0.85%	111	0.94	99	0.84
Region 3 Female 55 To 64	18,202	0.52%	78	0.66	61	0.52
Region 3 Female 65 To 74	14,274	0.41%	38	0.32	48	0.41
Region 3 Female 75 Plus	17,553	0.51%	40	0.34	59	0.50
Region 3 Female	220,927	6.36%	6	0.05	8	0.07
Region 4 Male Under 5	16,407	0.47%	25	0.21	55	0.47
Region 4 Male 5 To 14	37,015	1.07%	64	0.54	124	1.05
Region 4 Male 15 To 17	13,355	0.38%	26	0.22	45	0.38
Region 4 Male 18 To 19	8,904	0.26%	27	0.23	30	0.25
Region 4 Male 20 To 24	23,928	0.69%	58	0.49	80	0.68
Region 4 Male 25 To 34	35,916	1.03%	70	0.59	120	1.02

	Pop-ulation	% Of Pop.	BEFORE WEIGHTING BY PSTSTR_1		AFTER WEIGHTING BY PSTSTR_1	
			# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 4 Male 35 To 44	39,758	1.15%	52	0.45	133	1.13
Region 4 Male 45 To 54	41,507	1.20%	88	0.75	139	1.18
Region 4 Male 55 To 64	24,867	0.72%	60	0.51	83	0.71
Region 4 Male 65 To 74	17,577	0.51%	46	0.39	59	0.50
Region 4 Male 75 Plus	14,532	0.42%	34	0.29	49	0.41
Region 4 Male Under 18	66,777	1.92%	1	0.01	3	0.02
Region 4 Male 18 Plus	206,988	5.96%	1	0.01	8	0.07
Region 4 Female Under 5	15,655	0.45%	31	0.26	53	0.45
Region 4 Female 5 To 14	35,150	1.01%	63	0.53	118	1.00
Region 4 Female 15 To 17	12,671	0.36%	17	0.14	43	0.36
Region 4 Female 18 To 19	8,447	0.24%	14	0.12	28	0.24
Region 4 Female 20 To 24	22,745	0.66%	38	0.32	76	0.65
Region 4 Female 25 To 34	33,595	0.97%	67	0.57	113	0.96
Region 4 Female 35 To 44	39,803	1.15%	71	0.61	134	1.13
Region 4 Female 45 To 54	41,977	1.21%	85	0.72	141	1.20
Region 4 Female 55 To 64	25,745	0.74%	73	0.62	86	0.73
Region 4 Female 65 To 74	20,341	0.59%	57	0.49	68	0.58
Region 4 Female 75 Plus	23,154	0.67%	42	0.35	78	0.66
Region 4 Female	279,286	8.04%	6	0.05	11	0.09
Region 5 Male Under 5	12,326	0.36%	22	0.19	41	0.35
Region 5 Male 5 To 14	31,101	0.90%	69	0.59	104	0.89
Region 5 Male 15 To 17	9,612	0.28%	27	0.23	32	0.27
Region 5 Male 18 To 19	6,408	0.18%	10	0.08	21	0.18
Region 5 Male 20 To 24	11,659	0.34%	23	0.19	39	0.33
Region 5 Male 25 To 34	23,755	0.68%	37	0.32	80	0.68
Region 5 Male 35 To 44	31,524	0.91%	63	0.54	106	0.90
Region 5 Male 45 To 54	34,284	0.99%	78	0.66	115	0.98
Region 5 Male 55 To 64	24,421	0.70%	61	0.52	82	0.70
Region 5 Male 65 To 74	19,241	0.55%	50	0.42	65	0.55
Region 5 Male 75 Plus	15,193	0.44%	21	0.18	51	0.43
Region 5 Male	219,524	6.32%	3	0.03	8	0.07
Region 5 Female Under 5	11,761	0.34%	26	0.22	39	0.33
Region 5 Female 5 To 14	29,534	0.85%	66	0.56	99	0.84
Region 5 Female 15 To 17	9,119	0.26%	28	0.24	31	0.26
Region 5 Female 18 To 19	6,079	0.18%	14	0.12	20	0.17
Region 5 Female 20 To 24	11,083	0.32%	24	0.21	37	0.32
Region 5 Female 25 To 34	22,227	0.64%	49	0.41	75	0.63
Region 5 Female 35 To 44	31,576	0.91%	65	0.55	106	0.90
Region 5 Female 45 To 54	34,669	1.00%	89	0.75	116	0.99
Region 5 Female 55 To 64	25,291	0.73%	71	0.61	85	0.72
Region 5 Female 65 To 74	22,260	0.64%	57	0.48	75	0.63
Region 5 Female 75 Plus	24,127	0.69%	36	0.30	81	0.69
Region 5 Female	227,726	6.56%	10	0.08	9	0.07
Region 6 Male Under 5	1,709	0.05%	24	0.21	6	0.05
Region 6 Male 5 To 14	3,817	0.11%	76	0.65	13	0.11

	BEFORE WEIGHTING BY PSTSTR_1				AFTER WEIGHTING BY PSTSTR_1	
	Pop- ulation	% Of Pop.	# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 6 Male 15 To 17	1,106	0.03%	26	0.22	4	0.03
Region 6 Male 18 To 19	737	0.02%	14	0.12	2	0.02
Region 6 Male 20 To 24	1,316	0.04%	21	0.18	4	0.04
Region 6 Male 25 To 34	2,991	0.09%	45	0.38	10	0.09
Region 6 Male 35 To 44	3,784	0.11%	71	0.60	13	0.11
Region 6 Male 45 To 54	3,637	0.10%	92	0.78	12	0.10
Region 6 Male 55 To 64	2,336	0.07%	50	0.42	8	0.07
Region 6 Male 65 To 74	1,780	0.05%	37	0.32	6	0.05
Region 6 Male 75 Plus	1,493	0.04%	25	0.21	5	0.04
Region 6 Male Under 18	6,632	0.19%	2	0.02	0	0.00
Region 6 Male 18 Plus	18,074	0.52%	8	0.07	1	0.01
Region 6 Female Under 5	1,630	0.05%	25	0.22	5	0.05
Region 6 Female 5 To 14	3,625	0.10%	83	0.71	12	0.10
Region 6 Female 15 To 17	1,049	0.03%	17	0.15	4	0.03
Region 6 Female 18 To 19	699	0.02%	9	0.07	2	0.02
Region 6 Female 20 To 24	1,251	0.04%	31	0.27	4	0.04
Region 6 Female 25 To 34	2,799	0.08%	54	0.46	9	0.08
Region 6 Female 35 To 44	3,789	0.11%	55	0.46	13	0.11
Region 6 Female 45 To 54	3,679	0.11%	98	0.83	12	0.10
Region 6 Female 55 To 64	2,419	0.07%	58	0.49	8	0.07
Region 6 Female 65 To 74	2,060	0.06%	42	0.36	7	0.06
Region 6 Female 75 Plus	2,394	0.07%	41	0.35	8	0.07
Region 6 Female Under 18	6,304	0.18%	1	0.01	0	0.00
Region 6 Female 18 Plus	19,090	0.55%	6	0.05	1	0.01
Region 7 Male Under 5	4,907	0.14%	35	0.30	16	0.14
Region 7 Male 5 To 14	12,290	0.35%	68	0.58	41	0.35
Region 7 Male 15 To 17	3,461	0.10%	21	0.18	12	0.10
Region 7 Male 18 To 19	2,307	0.07%	14	0.12	8	0.07
Region 7 Male 20 To 24	4,498	0.13%	21	0.18	15	0.13
Region 7 Male 25 To 34	10,527	0.30%	65	0.55	35	0.30
Region 7 Male 35 To 44	12,587	0.36%	71	0.60	42	0.36
Region 7 Male 45 To 54	12,314	0.35%	61	0.52	41	0.35
Region 7 Male 55 To 64	8,151	0.23%	62	0.53	27	0.23
Region 7 Male 65 To 74	5,389	0.16%	46	0.39	18	0.15
Region 7 Male 75 Plus	3,556	0.10%	24	0.20	12	0.10
Region 7 Male Under 18	20,658	0.60%	1	0.01	1	0.01
Region 7 Male 18 Plus	59,329	1.71%	2	0.02	2	0.02
Region 7 Female Under 5	4,683	0.13%	22	0.19	16	0.13
Region 7 Female 5 To 14	11,670	0.34%	73	0.62	39	0.33
Region 7 Female 15 To 17	3,284	0.09%	21	0.18	11	0.09
Region 7 Female 18 To 19	2,189	0.06%	24	0.20	7	0.06
Region 7 Female 20 To 24	4,276	0.12%	16	0.13	14	0.12
Region 7 Female 25 To 34	9,849	0.28%	61	0.52	33	0.28
Region 7 Female 35 To 44	12,602	0.36%	76	0.65	42	0.36

	BEFORE WEIGHTING BY PSTSTR_1				AFTER WEIGHTING BY PSTSTR_1	
	Pop- ulation	% Of Pop.	# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 7 Female 45 To 54	12,453	0.36%	81	0.69	42	0.35
Region 7 Female 55 To 64	8,442	0.24%	54	0.46	28	0.24
Region 7 Female 65 To 74	6,228	0.18%	51	0.44	21	0.18
Region 7 Female 75 Plus	5,639	0.16%	31	0.26	19	0.16
Region 7 Female Under 18	19,637	0.57%	1	0.01	1	0.01
Region 7 Female 18 Plus	61,677	1.78%	6	0.05	2	0.02
Region 8 Male Under 5	2,326	0.07%	40	0.34	8	0.07
Region 8 Male 5 To 14	5,457	0.16%	84	0.71	18	0.16
Region 8 Male 15 To 17	1,571	0.05%	19	0.16	5	0.04
Region 8 Male 18 To 19	1,047	0.03%	16	0.14	4	0.03
Region 8 Male 20 To 24	2,063	0.06%	28	0.24	7	0.06
Region 8 Male 25 To 34	4,139	0.12%	56	0.47	14	0.12
Region 8 Male 35 To 44	5,068	0.15%	61	0.51	17	0.14
Region 8 Male 45 To 54	5,363	0.15%	81	0.69	18	0.15
Region 8 Male 55 To 64	3,666	0.11%	72	0.61	12	0.10
Region 8 Male 65 To 74	2,782	0.08%	49	0.42	9	0.08
Region 8 Male 75 Plus	1,931	0.06%	24	0.20	6	0.05
Region 8 Male	35,413	1.02%	1	0.01	1	0.01
Region 8 Female Under 5	2,219	0.06%	29	0.25	7	0.06
Region 8 Female 5 To 14	5,182	0.15%	72	0.61	17	0.15
Region 8 Female 15 To 17	1,490	0.04%	24	0.21	5	0.04
Region 8 Female 18 To 19	993	0.03%	14	0.12	3	0.03
Region 8 Female 20 To 24	1,961	0.06%	39	0.33	7	0.06
Region 8 Female 25 To 34	3,872	0.11%	55	0.47	13	0.11
Region 8 Female 35 To 44	5,074	0.15%	66	0.56	17	0.14
Region 8 Female 45 To 54	5,424	0.16%	88	0.75	18	0.15
Region 8 Female 55 To 64	3,797	0.11%	65	0.55	13	0.11
Region 8 Female 65 To 74	3,215	0.09%	56	0.48	11	0.09
Region 8 Female 75 Plus	3,059	0.09%	27	0.23	10	0.09
Region 8 Female	36,287	1.05%	2	0.02	1	0.01
Region 9 Male Under 5	6,147	0.18%	43	0.36	21	0.18
Region 9 Male 5 To 14	13,743	0.40%	86	0.73	46	0.39
Region 9 Male 15 To 17	4,292	0.12%	38	0.32	14	0.12
Region 9 Male 18 To 19	2,862	0.08%	17	0.14	10	0.08
Region 9 Male 20 To 24	5,663	0.16%	48	0.41	19	0.16
Region 9 Male 25 To 34	10,862	0.31%	58	0.49	36	0.31
Region 9 Male 35 To 44	12,921	0.37%	63	0.54	43	0.37
Region 9 Male 45 To 54	12,466	0.36%	91	0.78	42	0.36
Region 9 Male 55 To 64	8,266	0.24%	52	0.44	28	0.24
Region 9 Male 65 To 74	5,992	0.17%	37	0.32	20	0.17
Region 9 Male 75 Plus	4,717	0.14%	33	0.28	16	0.13
Region 9 Male	87,932	2.53%	2	0.02	3	0.03
Region 9 Female Under 5	5,866	0.17%	42	0.36	20	0.17
Region 9 Female 5 To 14	13,051	0.38%	91	0.77	44	0.37

	BEFORE WEIGHTING BY PSTSTR_1				AFTER WEIGHTING BY PSTSTR_1	
	Pop- ulation	% Of Pop.	# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 9 Female 15 To 17	4,072	0.12%	30	0.26	14	0.12
Region 9 Female 18 To 19	2,715	0.08%	22	0.19	9	0.08
Region 9 Female 20 To 24	5,383	0.16%	34	0.29	18	0.15
Region 9 Female 25 To 34	10,161	0.29%	60	0.51	34	0.29
Region 9 Female 35 To 44	12,932	0.37%	69	0.59	43	0.37
Region 9 Female 45 To 54	12,608	0.36%	86	0.73	42	0.36
Region 9 Female 55 To 64	8,561	0.25%	62	0.53	29	0.24
Region 9 Female 65 To 74	6,931	0.20%	43	0.36	23	0.20
Region 9 Female 75 Plus	7,589	0.22%	39	0.33	25	0.22
Region 9 Female	89,868	2.59%	5	0.04	3	0.03
Total Population	3,471,700	100.0%	11,779	100.00	11,779	100.00

The second stage of post stratification weighting adjusts for the actual number of respondents 18 and older in each region within each of the 10 possible racial / ethnic categories. This weight was computed as follows:

- Calculate the number of cases in the sample associated with each regional racial / ethnic cell.
- Calculate the post stratification weight by dividing the household total for the case's cell by the number calculated in Step 1. The formula for this calculation is as follows:

$$PSTSTR_2 = N_i / n_i \text{ where } i \text{ represents the two corresponding cells.}$$

In those cases where cell sizes in the sample data base are small ( $n < 5$ ), cells are collapsed by combining racial groups while retaining ethnic origin – e.g., Black, Asian / Pacific Islander, Native American, and Other of Hispanic origin are combined into a non-white of Hispanic origin cell. If cell sizes continue to be small ( $n < 5$ ), all non-white racial categories are collapsed into a single cell. In all regions, white Hispanic and white non-Hispanic are retained as separate cells.

	BEFORE WEIGHTING BY PSTSTR_2				AFTER WEIGHTING BY PSTSTR_2	
	Pop- ulation	% Of Pop.	# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 1 White Non-Hispanic	1,153,291	33.71%	1,819	15.44%	1,153,291	33.71%
Region 1 White Hispanic	44,393	1.30%	132	1.12	44,393	1.30
Region 1 Black Non-Hispanic	43,426	1.27%	1,169	9.92	43,426	1.27
Region 1 Black Hispanic	1,360	0.04%	27	0.23	1,360	0.04
Region 1 AIAN Non-Hispanic	10,179	0.30%	138	1.17	10,179	0.30
Region 1 AIAN Hispanic	1,935	0.06%	28	0.23	1,935	0.06
Region 1 API Non-Hispanic	79,088	2.31%	874	7.42	79,088	2.31
Region 1 API Hispanic	808	0.02%	20	0.17	808	0.02
Region 1 Other Non-Hispanic	2,183	0.06%	15	0.13	2,183	0.06
Region 1 Other Hispanic	58,236	1.70%	547	4.65	58,236	1.70

	Pop-ulation	% Of Pop.	BEFORE WEIGHTING BY PSTSTR_2		AFTER WEIGHTING BY PSTSTR_2	
			# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 1 Multiracial Non-Hispanic	39,966	1.17%	125	1.06	39,966	1.17
Region 1 Multiracial Hispanic	9,354	0.27%	84	0.71	9,354	0.27
Region 2 White Non-Hispanic	95,026	2.78%	323	2.74	95,026	2.78
Region 2 White Hispanic	2,061	0.06%	7	0.06	2,061	0.06
Region 2 Black Non-Hispanic	295	0.01%	1	0.01	295	0.01
Region 2 Non-White Hispanic	1,873	0.05%	11	0.10	1,873	0.05
Region 2 AIAN Non-Hispanic	1,155	0.03%	5	0.04	1,155	0.03
Region 2 API Non-Hispanic	962	0.03%	4	0.03	962	0.03
Region 2 Other Non-Hispanic	66	0.00%	1	0.01	66	0.00
Region 2 Multiracial Non-Hispanic	2,014	0.06%	5	0.04	2,014	0.06
Region 3 White Non-Hispanic	342,958	10.02%	1,115	9.46	342,958	10.02
Region 3 White Hispanic	20,778	0.61%	31	0.26	20,778	0.61
Region 3 Black Non-Hispanic	3,095	0.09%	7	0.06	3,095	0.09
Region 3 Non-White Hispanic	5,642	0.16%	10	0.09	5,642	0.16
Region 3 AIAN Non-Hispanic	5,538	0.16%	38	0.33	5,538	0.16
Region 3 API Non-Hispanic	7,675	0.22%	83	0.71	7,675	0.22
Region 3 Other Non-Hispanic	470	0.01%	2	0.02	470	0.01
Region 3 Other Hispanic	36,791	1.08%	181	1.53	36,791	1.08
Region 3 Multiracial Non-Hispanic	9,259	0.27%	20	0.17	9,259	0.27
Region 4 White Non-Hispanic	487,163	14.24%	1,455	12.35	487,163	14.24
Region 4 White Hispanic	11,594	0.34%	37	0.32	11,594	0.34
Region 4 Black Non-Hispanic	3,426	0.10%	14	0.12	3,426	0.10
Region 4 Non-White Hispanic	1,040	0.03%	9	0.08	1,040	0.03
Region 4 AIAN Non-Hispanic	6,312	0.18%	63	0.53	6,312	0.18
Region 4 API Non-Hispanic	12,012	0.35%	167	1.42	12,012	0.35
Region 4 Other Non-Hispanic	830	0.02%	10	0.08	830	0.02
Region 4 Other Hispanic	9,557	0.28%	81	0.68	9,557	0.28
Region 4 Multiracial Non-Hispanic	13,765	0.40%	33	0.28	13,765	0.40
Region 4 Multiracial Hispanic	2,961	0.09%	8	0.07	2,961	0.09
Region 5 White Non-Hispanic	398,152	11.64%	1,291	10.96	398,152	11.64
Region 5 White Hispanic	10,684	0.31%	47	0.40	10,684	0.31
Region 5 Black Non-Hispanic	1,231	0.04%	5	0.05	1,231	0.04
Region 5 Non-White Hispanic	3,255	0.10%	6	0.05	3,255	0.10
Region 5 AIAN Non-Hispanic	5,892	0.17%	58	0.49	5,892	0.17
Region 5 API Non-Hispanic	3,913	0.11%	36	0.30	3,913	0.11
Region 5 Other Hispanic	7,593	0.22%	54	0.46	7,593	0.22
Region 5 Non-White Non-Hispanic	10,590	0.31%	21	0.18	10,590	0.31
Region 6 White Non-Hispanic	39,445	1.15%	138	1.17	39,445	1.15
Region 6 White Hispanic	2,360	0.07%	2	0.02	2,360	0.07
Region 6 Non-White Non-Hispanic	2,624	0.08%	10	0.09	2,624	0.08
Region 6 Non-White Hispanic	5,169	0.15%	20	0.17	5,169	0.15
Region 7 White Non-Hispanic	137,044	4.01%	466	3.95	137,044	4.01
Region 7 White Hispanic	3,322	0.10%	14	0.12	3,322	0.10
Region 7 Non-White Non-Hispanic	3,858	0.11%	9	0.07	3,858	0.11
Region 7 Non-White Hispanic	1,079	0.03%	7	0.06	1,079	0.03

	Pop-ulation	% Of Pop.	BEFORE WEIGHTING BY PSTSTR_2		AFTER WEIGHTING BY PSTSTR_2	
			# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 7 AIAN Non-Hispanic	3,898	0.11%	39	0.33	3,898	0.11
Region 7 Other Hispanic	4,357	0.13%	13	0.11	4,357	0.13
Region 8 White Non-Hispanic	60,276	1.76%	198	1.68	60,276	1.76
Region 8 White Hispanic	2,171	0.06%	5	0.05	2,171	0.06
Region 8 Non-White Non-Hispanic	2,947	0.09%	7	0.06	2,947	0.09
Region 8 Non-White Hispanic	859	0.03%	4	0.04	859	0.03
Region 8 AIAN Non-Hispanic	2,609	0.08%	13	0.11	2,609	0.08
Region 8 Other Hispanic	2,335	0.07%	16	0.13	2,335	0.07
Region 9 White Non-Hispanic	144,261	4.22%	464	3.94	144,261	4.22
Region 9 White Hispanic	6,644	0.19%	16	0.13	6,644	0.19
Region 9 Black Non-Hispanic	1,091	0.03%	5	0.04	1,091	0.03
Region 9 Non-White Hispanic	1,572	0.05%	6	0.05	1,572	0.05
Region 9 AIAN Non-Hispanic	3,474	0.10%	17	0.15	3,474	0.10
Region 9 API Non-Hispanic	1,750	0.05%	16	0.13	1,750	0.05
Region 9 Other Hispanic	15,531	0.45%	76	0.64	15,531	0.45
Region 9 Non-White Non-Hispanic	2,876	0.08%	4	0.03	2,876	0.08
Total Population	3,421,399	100.00	11,779	100.00	3,421,399	100.00

### Final Respondent Weight

Two final weights are then computed as follows.

- Expansion Weight:** Multiple the base weight (BASEWGT) times the two post stratification weights (PSTSTRAT\_1 and PSTSTR\_2). This is the case's expansion weight, which indicates the number of individuals in the population that case represents.

$$\text{EXPWGT} = \text{BASEWGT} * \text{PSTSTR}_1 * \text{PSTSTR}_2$$

- Relative Weight:** To weight the cases back to the sample size, a second weight is calculated for each case by multiplying the expansion weight (EXPWGT) by the total number of cases in the sample and then dividing that product by the number of individuals in the population.

$$\text{RELWGT} = (\text{EXPWGT} * n) / N$$

The following table shows the number of distribution of person in each region by their race / ethnicity following application of the final respondent weights.

	BEFORE WEIGHTING BY EXPWGT		AFTER WEIGHTING BY RELWGT	
	# In Sample	% Of Sample	# In Sample	% Of Sample
Region 1 White Non-Hispanic	1,153,291	33.71%	4,171	33.71%
Region 1 White Hispanic	44,393	1.30	161	1.30
Region 1 Black Non-Hispanic	43,426	1.27	157	1.27
Region 1 Black Hispanic	1,360	0.04	5	0.04
Region 1 AIAN Non-Hispanic	10,179	0.30	37	0.30
Region 1 AIAN Hispanic	1,935	0.06	7	0.06
Region 1 API Non-Hispanic	79,088	2.31	286	2.31
Region 1 API Hispanic	808	0.02	3	0.02
Region 1 Other Non-Hispanic	2,183	0.06	8	0.06
Region 1 Other Hispanic	58,236	1.70	211	1.70
Region 1 Multiracial Non-Hispanic	39,966	1.17	145	1.17
Region 1 Multiracial Hispanic	9,354	0.27	34	0.27
Region 2 White Non-Hispanic	95,026	2.78	344	2.78
Region 2 White Hispanic	2,061	0.06	7	0.06
Region 2 Black Non-Hispanic	295	0.01	1	0.01
Region 2 Non-White Hispanic	1,873	0.05	7	0.05
Region 2 AIAN Non-Hispanic	1,155	0.03	4	0.03
Region 2 API Non-Hispanic	962	0.03	3	0.03
Region 2 Other Non-Hispanic	66	0.00	0	0.00
Region 2 Multiracial Non-Hispanic	2,014	0.06	7	0.06
Region 3 White Non-Hispanic	342,958	10.02	1,240	10.02
Region 3 White Hispanic	20,778	0.61	75	0.61
Region 3 Black Non-Hispanic	3,095	0.09	11	0.09
Region 3 Non-White Hispanic	5,642	0.16	20	0.16
Region 3 AIAN Non-Hispanic	5,538	0.16	20	0.16
Region 3 API Non-Hispanic	7,675	0.22	28	0.22
Region 3 Other Non-Hispanic	470	0.01	2	0.01
Region 3 Other Hispanic	36,791	1.08	133	1.08
Region 3 Multiracial Non-Hispanic	9,259	0.27	33	0.27
Region 4 White Non-Hispanic	487,163	14.24	1,762	14.24
Region 4 White Hispanic	11,594	0.34	42	0.34
Region 4 Black Non-Hispanic	3,426	0.10	12	0.10
Region 4 Non-White Hispanic	1,040	0.03	4	0.03
Region 4 AIAN Non-Hispanic	6,312	0.18	23	0.18
Region 4 API Non-Hispanic	12,012	0.35	43	0.35
Region 4 Other Non-Hispanic	830	0.02	3	0.02
Region 4 Other Hispanic	9,557	0.28	35	0.28
Region 4 Multiracial Non-Hispanic	13,765	0.40	50	0.40
Region 4 Multiracial Hispanic	2,961	0.09	11	0.09
Region 5 White Non-Hispanic	398,152	11.64	1,440	11.64
Region 5 White Hispanic	10,684	0.31	39	0.31
Region 5 Black Non-Hispanic	1,231	0.04	4	0.04
Region 5 Non-White Hispanic	3,255	0.10	12	0.10
Region 5 AIAN Non-Hispanic	5,892	0.17	21	0.17
Region 5 API Non-Hispanic	3,913	0.11	14	0.11

	BEFORE WEIGHTING BY EXPWGT		AFTER WEIGHTING BY RELWGT	
	# In Sample	% Of Sample	# In Sample	% Of Sample
Region 5 Other Hispanic	7,593	0.22	27	0.22
Region 5 Non-White Non-Hispanic	10,590	0.31	38	0.31
Region 6 White Non-Hispanic	39,445	1.15	143	1.15
Region 6 White Hispanic	2,360	0.07	9	0.07
Region 6 Non-White Non-Hispanic	2,624	0.08	9	0.08
Region 6 Non-White Hispanic	5,169	0.15	19	0.15
Region 7 White Non-Hispanic	137,044	4.01	496	4.01
Region 7 White Hispanic	3,322	0.10	12	0.10
Region 7 Non-White Non-Hispanic	3,858	0.11	14	0.11
Region 7 Non-White Hispanic	1,079	0.03	4	0.03
Region 7 AIAN Non-Hispanic	3,898	0.11	14	0.11
Region 7 Other Hispanic	4,357	0.13	16	0.13
Region 8 White Non-Hispanic	60,276	1.76	218	1.76
Region 8 White Hispanic	2,171	0.06	8	0.06
Region 8 Non-White Non-Hispanic	2,947	0.09	11	0.09
Region 8 Non-White Hispanic	859	0.03	3	0.03
Region 8 AIAN Non-Hispanic	2,609	0.08	9	0.08
Region 8 Other Hispanic	2,335	0.07	8	0.07
Region 9 White Non-Hispanic	144,261	4.22	522	4.22
Region 9 White Hispanic	6,644	0.19	24	0.19
Region 9 Black Non-Hispanic	1,091	0.03	4	0.03
Region 9 Non-White Hispanic	1,572	0.05	6	0.05
Region 9 AIAN Non-Hispanic	3,474	0.10	13	0.10
Region 9 API Non-Hispanic	1,750	0.05	6	0.05
Region 9 Other Hispanic	15,531	0.45	56	0.45
Region 9 Non-White Non-Hispanic	2,876	0.08	10	0.08
<b>Total</b>	<b>3,421,399</b>	<b>100.00</b>	<b>12,374</b>	<b>100.00</b>

The following table shows the number of distribution of persons in each region by their age and gender following application of the final population weights. There are slight discrepancies in the number of sample respondents following application of the expanded weights as the total number of persons in the PSU data outlining the distribution of age / gender categories for the population is slightly higher than the total number of persons in the census data outlining the distribution of race / ethnicity characteristics.

		AFTER WEIGHTING BY EXPWGT		AFTER WEIGHTING BY RELWGT		
	Pop.	% Of Pop.	# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 1 Male Under 5	52,628	1.52%	41,424	1.21	150	1.21
Region 1 Male 5 To 14	103,362	2.98%	95,166	2.78	344	2.78
Region 1 Male 15 To 17	29,827	0.86%	29,088	0.85	105	0.85
Region 1 Male 18 To 19	19,885	0.57%	16,108	0.47	58	0.47
Region 1 Male 20 To 24	51,344	1.48%	49,605	1.45	179	1.45
Region 1 Male 25 To 34	122,249	3.52%	115,702	3.38	418	3.38
Region 1 Male 35 To 44	121,396	3.50%	117,107	3.42	424	3.42
Region 1 Male 45 To 54	108,707	3.13%	120,075	3.51	434	3.51
Region 1 Male 55 To 64	57,069	1.64%	66,977	1.96	242	1.96
Region 1 Male 65 To 74	33,966	0.98%	39,000	1.14	141	1.14
Region 1 Male 75 Plus	30,068	0.87%	25,159	0.74	91	0.74
Region 1 Male Under 18	185,817	5.35%	2,498	0.07	9	0.07
Region 1 Male 18 To 64	480,648	13.84%	4,516	0.13	16	0.13
Region 1 Male 65 Plus	64,033	1.84%	457	0.01	2	0.01
Region 1 Female Under 5	50,218	1.45%	46,289	1.35	167	1.35
Region 1 Female 5 To 14	98,161	2.83%	83,673	2.45	303	2.45
Region 1 Female 15 To 17	28,299	0.82%	28,188	0.82	102	0.82
Region 1 Female 18 To 19	18,866	0.54%	14,296	0.42	52	0.42
Region 1 Female 20 To 24	48,806	1.41%	47,037	1.37	170	1.37
Region 1 Female 25 To 34	114,359	3.29%	111,492	3.26	403	3.26
Region 1 Female 35 To 44	121,442	3.50%	121,046	3.54	438	3.54
Region 1 Female 45 To 54	109,944	3.17%	109,166	3.19	395	3.19
Region 1 Female 55 To 64	59,061	1.70%	72,877	2.13	264	2.13
Region 1 Female 65 To 74	39,303	1.13%	37,572	1.10	136	1.10
Region 1 Female 75 Plus	48,342	1.39%	42,617	1.25	154	1.25
Region 1 Female Under 18	176,677	5.09%	1,460	0.04	5	0.04
Region 1 Female 18 To 64	472,478	13.61%	4,751	0.14	17	0.14
Region 1 Female 65 Plus	87,646	2.52%	873	0.03	3	0.03
Region 2 Male Under 5	2,963	0.09%	2,997	0.09	11	0.09
Region 2 Male 5 To 14	7,692	0.22%	7,608	0.22	28	0.22
Region 2 Male 15 To 17	2,412	0.07%	2,383	0.07	9	0.07
Region 2 Male 18 To 19	1,608	0.05%	1,596	0.05	6	0.05
Region 2 Male 20 To 24	2,637	0.08%	2,501	0.07	9	0.07
Region 2 Male 25 To 34	5,839	0.17%	5,386	0.16	19	0.16
Region 2 Male 35 To 44	8,015	0.23%	7,678	0.22	28	0.22
Region 2 Male 45 To 54	8,375	0.24%	8,278	0.24	30	0.24
Region 2 Male 55 To 64	5,463	0.16%	5,347	0.16	19	0.16

		AFTER WEIGHTING BY EXPWGT		AFTER WEIGHTING BY RELWGT		
	Pop.	% Of Pop.	# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 2 Male 65 To 74	3,912	0.11%	3,897	0.11	14	0.11
Region 2 Male 75 Plus	2,799	0.08%	2,765	0.08	10	0.08
Region 2 Male	51,716	1.49%	580	0.02	2	0.02
Region 2 Female Under 5	2,827	0.08%	2,800	0.08	10	0.08
Region 2 Female 5 To 14	7,304	0.21%	6,936	0.20	25	0.20
Region 2 Female 15 To 17	2,289	0.07%	2,328	0.07	8	0.07
Region 2 Female 18 To 19	1,526	0.04%	1,555	0.05	6	0.05
Region 2 Female 20 To 24	2,507	0.07%	2,495	0.07	9	0.07
Region 2 Female 25 To 34	5,464	0.16%	5,333	0.16	19	0.16
Region 2 Female 35 To 44	8,026	0.23%	7,840	0.23	28	0.23
Region 2 Female 45 To 54	8,470	0.24%	8,265	0.24	30	0.24
Region 2 Female 55 To 64	5,657	0.16%	5,571	0.16	20	0.16
Region 2 Female 65 To 74	4,525	0.13%	4,462	0.13	16	0.13
Region 2 Female 75 Plus	4,439	0.13%	4,254	0.12	15	0.12
Region 2 Female Under 18	12,420	0.36%	139	0.00	1	0.00
Region 2 Female 18 To 64	31,650	0.91%	355	0.01	1	0.01
Region 2 Female 65 Plus	8,965	0.26%	101	0.00	0	0.00
Region 3 Male Under 5	16,441	0.47%	16,685	0.49	60	0.49
Region 3 Male 5 To 14	33,752	0.97%	34,028	0.99	123	0.99
Region 3 Male 15 To 17	10,744	0.31%	10,652	0.31	39	0.31
Region 3 Male 18 To 19	7,163	0.21%	7,062	0.21	26	0.21
Region 3 Male 20 To 24	16,689	0.48%	15,394	0.45	56	0.45
Region 3 Male 25 To 34	30,470	0.88%	29,133	0.85	105	0.85
Region 3 Male 35 To 44	32,145	0.93%	30,350	0.89	110	0.89
Region 3 Male 45 To 54	29,306	0.84%	28,345	0.83	103	0.83
Region 3 Male 55 To 64	17,582	0.51%	16,948	0.50	61	0.50
Region 3 Male 65 To 74	12,335	0.36%	12,364	0.36	45	0.36
Region 3 Male 75 Plus	10,897	0.31%	10,219	0.30	37	0.30
Region 3 Male Under 18	60,937	1.76%	473	0.01	2	0.01
Region 3 Male 18 Plus	156,586	4.51%	1,506	0.04	5	0.04
Region 3 Female Under 5	15,688	0.45%	14,108	0.41	51	0.41
Region 3 Female 5 To 14	32,053	0.92%	32,625	0.95	118	0.95
Region 3 Female 15 To 17	10,194	0.29%	10,666	0.31	39	0.31
Region 3 Female 18 To 19	6,796	0.20%	7,531	0.22	27	0.22
Region 3 Female 20 To 24	15,864	0.46%	14,276	0.42	52	0.42
Region 3 Female 25 To 34	28,504	0.82%	26,945	0.79	97	0.79
Region 3 Female 35 To 44	32,160	0.93%	29,910	0.87	108	0.87
Region 3 Female 45 To 54	29,638	0.85%	29,924	0.87	108	0.87
Region 3 Female 55 To 64	18,202	0.52%	17,608	0.51	64	0.51
Region 3 Female 65 To 74	14,274	0.41%	14,914	0.44	54	0.44
Region 3 Female 75 Plus	17,553	0.51%	17,880	0.52	65	0.52
Region 3 Female	220,927	6.36%	2,659	0.08	10	0.08
Region 4 Male Under 5	16,407	0.47%	15,852	0.46	57	0.46

	Pop.	% Of Pop.	AFTER WEIGHTING BY EXPWGT		AFTER WEIGHTING BY RELWGT	
			# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 4 Male 5 To 14	37,015	1.07%	35,264	1.03	128	1.03
Region 4 Male 15 To 17	13,355	0.38%	12,806	0.37	46	0.37
Region 4 Male 18 To 19	8,904	0.26%	8,538	0.25	31	0.25
Region 4 Male 20 To 24	23,928	0.69%	19,559	0.57	71	0.57
Region 4 Male 25 To 34	35,916	1.03%	31,200	0.91	113	0.91
Region 4 Male 35 To 44	39,758	1.15%	36,754	1.07	133	1.07
Region 4 Male 45 To 54	41,507	1.20%	41,546	1.21	150	1.21
Region 4 Male 55 To 64	24,867	0.72%	24,904	0.73	90	0.73
Region 4 Male 65 To 74	17,577	0.51%	18,730	0.55	68	0.55
Region 4 Male 75 Plus	14,532	0.42%	15,201	0.44	55	0.44
Region 4 Male Under 18	66,777	1.92%	852	0.02	3	0.02
Region 4 Male 18 Plus	206,988	5.96%	2,640	0.08	10	0.08
Region 4 Female Under 5	15,655	0.45%	14,398	0.42	52	0.42
Region 4 Female 5 To 14	35,150	1.01%	33,390	0.98	121	0.98
Region 4 Female 15 To 17	12,671	0.36%	14,010	0.41	51	0.41
Region 4 Female 18 To 19	8,447	0.24%	9,044	0.26	33	0.26
Region 4 Female 20 To 24	22,745	0.66%	21,860	0.64	79	0.64
Region 4 Female 25 To 34	33,595	0.97%	31,065	0.91	112	0.91
Region 4 Female 35 To 44	39,803	1.15%	41,177	1.20	149	1.20
Region 4 Female 45 To 54	41,977	1.21%	42,981	1.26	155	1.26
Region 4 Female 55 To 64	25,745	0.74%	27,727	0.81	100	0.81
Region 4 Female 65 To 74	20,341	0.59%	21,538	0.63	78	0.63
Region 4 Female 75 Plus	23,154	0.67%	24,541	0.72	89	0.72
Region 4 Female	279,286	8.04%	3,082	0.09	11	0.09
Region 5 Male Under 5	12,326	0.36%	12,145	0.35	44	0.35
Region 5 Male 5 To 14	31,101	0.90%	27,890	0.82	101	0.82
Region 5 Male 15 To 17	9,612	0.28%	8,983	0.26	32	0.26
Region 5 Male 18 To 19	6,408	0.18%	5,126	0.15	19	0.15
Region 5 Male 20 To 24	11,659	0.34%	10,598	0.31	38	0.31
Region 5 Male 25 To 34	23,755	0.68%	23,461	0.69	85	0.69
Region 5 Male 35 To 44	31,524	0.91%	30,221	0.88	109	0.88
Region 5 Male 45 To 54	34,284	0.99%	33,565	0.98	121	0.98
Region 5 Male 55 To 64	24,421	0.70%	25,009	0.73	90	0.73
Region 5 Male 65 To 74	19,241	0.55%	19,723	0.58	71	0.58
Region 5 Male 75 Plus	15,193	0.44%	15,715	0.46	57	0.46
Region 5 Male	219,524	6.32%	2,578	0.08	9	0.08
Region 5 Female Under 5	11,761	0.34%	10,562	0.31	38	0.31
Region 5 Female 5 To 14	29,534	0.85%	27,780	0.81	100	0.81
Region 5 Female 15 To 17	9,119	0.26%	8,256	0.24	30	0.24
Region 5 Female 18 To 19	6,079	0.18%	5,881	0.17	21	0.17
Region 5 Female 20 To 24	11,083	0.32%	10,504	0.31	38	0.31
Region 5 Female 25 To 34	22,227	0.64%	20,243	0.59	73	0.59
Region 5 Female 35 To 44	31,576	0.91%	31,103	0.91	112	0.91
Region 5 Female 45 To 54	34,669	1.00%	35,133	1.03	127	1.03

		AFTER WEIGHTING BY EXPWGT		AFTER WEIGHTING BY RELWGT		
	Pop.	% Of Pop.	# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 5 Female 55 To 64	25,291	0.73%	26,340	0.77	95	0.77
Region 5 Female 65 To 74	22,260	0.64%	22,484	0.66	81	0.66
Region 5 Female 75 Plus	24,127	0.69%	25,406	0.74	92	0.74
Region 5 Female	227,726	6.56%	2,602	0.08	9	0.08
Region 6 Male Under 5	1,709	0.05%	1,811	0.05	7	0.05
Region 6 Male 5 To 14	3,817	0.11%	3,528	0.10	13	0.10
Region 6 Male 15 To 17	1,106	0.03%	1,039	0.03	4	0.03
Region 6 Male 18 To 19	737	0.02%	779	0.02	3	0.02
Region 6 Male 20 To 24	1,316	0.04%	1,229	0.04	4	0.04
Region 6 Male 25 To 34	2,991	0.09%	2,769	0.08	10	0.08
Region 6 Male 35 To 44	3,784	0.11%	3,823	0.11	14	0.11
Region 6 Male 45 To 54	3,637	0.10%	3,464	0.10	13	0.10
Region 6 Male 55 To 64	2,336	0.07%	2,226	0.07	8	0.07
Region 6 Male 65 To 74	1,780	0.05%	1,840	0.05	7	0.05
Region 6 Male 75 Plus	1,493	0.04%	1,409	0.04	5	0.04
Region 6 Male Under 18	6,632	0.19%	68	0.00	0	0.00
Region 6 Male 18 Plus	18,074	0.52%	189	0.01	1	0.01
Region 6 Female Under 5	1,630	0.05%	1,710	0.05	6	0.05
Region 6 Female 5 To 14	3,625	0.10%	3,414	0.10	12	0.10
Region 6 Female 15 To 17	1,049	0.03%	984	0.03	4	0.03
Region 6 Female 18 To 19	699	0.02%	658	0.02	2	0.02
Region 6 Female 20 To 24	1,251	0.04%	1,174	0.03	4	0.03
Region 6 Female 25 To 34	2,799	0.08%	2,782	0.08	10	0.08
Region 6 Female 35 To 44	3,789	0.11%	3,606	0.11	13	0.11
Region 6 Female 45 To 54	3,679	0.11%	3,987	0.12	14	0.12
Region 6 Female 55 To 64	2,419	0.07%	2,577	0.08	9	0.08
Region 6 Female 65 To 74	2,060	0.06%	1,968	0.06	7	0.06
Region 6 Female 75 Plus	2,394	0.07%	2,285	0.07	8	0.07
Region 6 Female Under 18	6,304	0.18%	69	0.00	0	0.00
Region 6 Female 18 Plus	19,090	0.55%	208	0.01	1	0.01
Region 7 Male Under 5	4,907	0.14%	4,406	0.13	16	0.13
Region 7 Male 5 To 14	12,290	0.35%	11,662	0.34	42	0.34
Region 7 Male 15 To 17	3,461	0.10%	3,310	0.10	12	0.10
Region 7 Male 18 To 19	2,307	0.07%	2,210	0.06	8	0.06
Region 7 Male 20 To 24	4,498	0.13%	4,032	0.12	15	0.12
Region 7 Male 25 To 34	10,527	0.30%	9,870	0.29	36	0.29
Region 7 Male 35 To 44	12,587	0.36%	12,086	0.35	44	0.35
Region 7 Male 45 To 54	12,314	0.35%	11,565	0.34	42	0.34
Region 7 Male 55 To 64	8,151	0.23%	7,868	0.23	28	0.23
Region 7 Male 65 To 74	5,389	0.16%	5,313	0.16	19	0.16
Region 7 Male 75 Plus	3,556	0.10%	3,411	0.10	12	0.10
Region 7 Male Under 18	20,658	0.60%	232	0.01	1	0.01
Region 7 Male 18 Plus	59,329	1.71%	665	0.02	2	0.02

		AFTER WEIGHTING BY EXPWGT		AFTER WEIGHTING BY RELWGT		
	Pop.	% Of Pop.	# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 7 Female Under 5	4,683	0.13%	4,186	0.12	15	0.12
Region 7 Female 5 To 14	11,670	0.34%	10,604	0.31	38	0.31
Region 7 Female 15 To 17	3,284	0.09%	3,005	0.09	11	0.09
Region 7 Female 18 To 19	2,189	0.06%	1,893	0.06	7	0.06
Region 7 Female 20 To 24	4,276	0.12%	3,343	0.10	12	0.10
Region 7 Female 25 To 34	9,849	0.28%	9,334	0.27	34	0.27
Region 7 Female 35 To 44	12,602	0.36%	12,064	0.35	44	0.35
Region 7 Female 45 To 54	12,453	0.36%	12,148	0.36	44	0.36
Region 7 Female 55 To 64	8,442	0.24%	7,875	0.23	28	0.23
Region 7 Female 65 To 74	6,228	0.18%	6,033	0.18	22	0.18
Region 7 Female 75 Plus	5,639	0.16%	5,529	0.16	20	0.16
Region 7 Female Under 18	19,637	0.57%	220	0.01	1	0.01
Region 7 Female 18 Plus	61,677	1.78%	691	0.02	3	0.02
Region 8 Male Under 5	2,326	0.07%	2,249	0.07	8	0.07
Region 8 Male 5 To 14	5,457	0.16%	5,225	0.15	19	0.15
Region 8 Male 15 To 17	1,571	0.05%	1,467	0.04	5	0.04
Region 8 Male 18 To 19	1,047	0.03%	985	0.03	4	0.03
Region 8 Male 20 To 24	2,063	0.06%	1,890	0.06	7	0.06
Region 8 Male 25 To 34	4,139	0.12%	4,029	0.12	15	0.12
Region 8 Male 35 To 44	5,068	0.15%	4,802	0.14	17	0.14
Region 8 Male 45 To 54	5,363	0.15%	5,373	0.16	19	0.16
Region 8 Male 55 To 64	3,666	0.11%	3,745	0.11	14	0.11
Region 8 Male 65 To 74	2,782	0.08%	2,892	0.08	10	0.08
Region 8 Male 75 Plus	1,931	0.06%	2,009	0.06	7	0.06
Region 8 Male	35,413	1.02%	199	0.01	1	0.01
Region 8 Female Under 5	2,219	0.06%	2,111	0.06	8	0.06
Region 8 Female 5 To 14	5,182	0.15%	4,977	0.15	18	0.15
Region 8 Female 15 To 17	1,490	0.04%	1,409	0.04	5	0.04
Region 8 Female 18 To 19	993	0.03%	1,081	0.03	4	0.03
Region 8 Female 20 To 24	1,961	0.06%	1,941	0.06	7	0.06
Region 8 Female 25 To 34	3,872	0.11%	3,744	0.11	14	0.11
Region 8 Female 35 To 44	5,074	0.15%	4,988	0.15	18	0.15
Region 8 Female 45 To 54	5,424	0.16%	5,362	0.16	19	0.16
Region 8 Female 55 To 64	3,797	0.11%	3,894	0.11	14	0.11
Region 8 Female 65 To 74	3,215	0.09%	3,288	0.10	12	0.10
Region 8 Female 75 Plus	3,059	0.09%	3,119	0.09	11	0.09
Region 8 Female	36,287	1.05%	420	0.01	2	0.01
Region 9 Male Under 5	6,147	0.18%	5,634	0.16	20	0.16
Region 9 Male 5 To 14	13,743	0.40%	12,882	0.38	47	0.38
Region 9 Male 15 To 17	4,292	0.12%	4,366	0.13	16	0.13
Region 9 Male 18 To 19	2,862	0.08%	2,775	0.08	10	0.08
Region 9 Male 20 To 24	5,663	0.16%	5,570	0.16	20	0.16
Region 9 Male 25 To 34	10,862	0.31%	10,187	0.30	37	0.30

	Pop.	% Of Pop.	AFTER WEIGHTING BY EXPWGT		AFTER WEIGHTING BY RELWGT	
			# Of Sample Persons	% Of Sample Persons	# Of Sample Persons	% Of Sample Persons
Region 9 Male 35 To 44	12,921	0.37%	12,975	0.38	47	0.38
Region 9 Male 45 To 54	12,466	0.36%	12,672	0.37	46	0.37
Region 9 Male 55 To 64	8,266	0.24%	8,242	0.24	30	0.24
Region 9 Male 65 To 74	5,992	0.17%	6,137	0.18	22	0.18
Region 9 Male 75 Plus	4,717	0.14%	4,294	0.13	16	0.13
Region 9 Male	87,932	2.53%	1,042	0.03	4	0.03
Region 9 Female Under 5	5,866	0.17%	5,791	0.17	21	0.17
Region 9 Female 5 To 14	13,051	0.38%	12,505	0.37	45	0.37
Region 9 Female 15 To 17	4,072	0.12%	3,771	0.11	14	0.11
Region 9 Female 18 To 19	2,715	0.08%	2,769	0.08	10	0.08
Region 9 Female 20 To 24	5,383	0.16%	5,176	0.15	19	0.15
Region 9 Female 25 To 34	10,161	0.29%	10,163	0.30	37	0.30
Region 9 Female 35 To 44	12,932	0.37%	13,030	0.38	47	0.38
Region 9 Female 45 To 54	12,608	0.36%	12,667	0.37	46	0.37
Region 9 Female 55 To 64	8,561	0.25%	8,954	0.26	32	0.26
Region 9 Female 65 To 74	6,931	0.20%	7,313	0.21	26	0.21
Region 9 Female 75 Plus	7,589	0.22%	6,929	0.20	25	0.20
Region 9 Female	89,868	2.59%	1,353	0.04	5	0.04
Total Population	3,471,700	100.00	3,421,399	100.00	12,374	100.00

### **Disproportionate Stratified Sampling (DSS) Methodology**

Note: The Centers for Disease Control (CDC) is encouraging states to adopt the Disproportionate Stratified Sampling (DSS) design for their Behavioral Risk Factor Surveillance System (BRFSS) study. The following information explaining how DSS works was adapted from the Centers for Disease Control's Behavioral Risk Factor Surveillance System (BRFSS) training website ([www2.cdc.gov/nccdphp/brfss2/training\\_gu/dss.asp](http://www2.cdc.gov/nccdphp/brfss2/training_gu/dss.asp)).

The DSS design attempts to find a way of differentiating before sampling begins between a set of telephone numbers that contains a large proportion of target numbers (the high-density block) and a set that contains a small proportion of target numbers (the low-density block). It is possible to create more than two groups, but for the OPS 2002, only two groups are used. In this way, sampling telephone numbers is more efficient compared to simple random sampling.

#### **Sampling Frame:**

The sampling frame is the set of all active telephone numbers in Oregon that could possibly be assigned to households.

#### **Stratum:**

A discrete subdivision of a sampling frame. For example, using information about the geographic location to which a telephone number is assigned, we can assign each number uniquely to a state or even county (even though some of those assignments might be incorrect). Thus, we can stratify the numbers by state or county.

#### **Household Density Stratum:**

Refers to the particular stratum (that is, high or low) that a number is in.

#### **0 Block:**

A computer generated listing of 100 consecutive telephone numbers containing no published household telephone number. Also known as a low-density block or stratum.

#### **1+ Block:**

A computer generated listing of 100 consecutive telephone numbers containing at least one published household telephone number. Also known as a high-density block or stratum.

#### **Hit Rate:**

Percent of household numbers in a sample, stratum, or block.

#### **Target Population:**

In the OPS 2002, the target population is the telephone numbers assigned to households.

#### **Unique Identifier:**

Each telephone number in the sample is assigned a unique identifier.

#### **Replicate:**

A group of 50 telephone numbers that must be called as a unit. Note: while BRFSS methodology calls for the use of sample replicates, NWRG did not utilize them for the OPS

2002. The reason for this is that NWRG's Ci3 CATI system is fully capable of handle large amounts of sample, while avoiding oversampling, making the use of replicates unnecessary.

### **How DSS Works:**

The telephone sample vendor divides the sample of all available numbers into blocks of 100. For example 404-676-1100 and 404-676-1199 are in one block.

All numbers in each block are compared to a published list of all household numbers. A block that has one or more published household number is called **1+ block**. A block that has no listed household numbers is called a **0 block**.

In the DSS sampling design, you call **1+ block** numbers at a higher rate than **0 block** numbers. (Although there are other ways to make this determination, for the BRFSS implementation of DSS, blocks are used.)

By doing so, you achieve a high hit-rate (compared to simple random sampling) and still achieve a statistically representative sample. During data analysis, since the ration at which telephone numbers are sample from each block is known, weighting is used to adjust the data.

Fewer than 1% of **0 block** numbers are households; about 42% of **1+ block** numbers are households.

### **Implementing DSS**

Calculate the number of **1+** and **0 blocks** to dial based on the sampling ration.

Calculate the number of replicates (50 consecutive telephone numbers) that will need to be released. Initially figure on about four sample records per complete from **1+ block** numbers.

Process the DSS sample based on procedures for your CATI system.

### **Calculating Sampling Ratio**

A 4:1 (1+ to 0 block) sampling ratio is standard BRFSS policy, there is what NWRG utilized for the OPS 2002.

For example, say a 1+ block stratum has 100,000 numbers, from which you sample 1,000, giving a sampling rate of  $1,000/100,000=1/100=.01$ .

Assume that the corresponding 0 block stratum has 500,000 numbers. To get a 4:1 sampling ratio, you would sample the 0 block stratum at a rate of  $1/400=.0025$ , which would yield a sample of  $0.0025 \times 500,000=1,250$  numbers.

Thus, your sample has 1,000 1+ block numbers and 1,250 0 block numbers but you have sampled form the two strata in a ratio of 4:1. (Your sampling rate in the 1+ block stratum =  $.01$  and in the 0 block stratum  $.0025$   $0.01/.0025=4$ )

## Appendix F

### Final Sample Dispositions by Region

#### Region One

- Effective Region Incidence = 95%.
- Response Rate = 44%.
- Cooperation Rate = 42%.
- Completion Rate = 14.6%.

Final Sample Disposition Report		
<u>Disposition</u>	<u>Total Sample</u>	<u>% Of Sample</u>
No Answer	738	10.0%
Busy	240	3.2
Answering Machine	389	5.2
Non-working <sup>(5)</sup>	4,000	54.0
Initial Refusal <sup>(4)</sup>	364	4.9
Final Refusal <sup>(4)</sup>	225	3.0
Never Call <sup>(4)</sup>	23	0.3
Screenener Refusal <sup>(4)</sup>	11	0.1
Communication Barrier <sup>(3)</sup>	35	0.5
Language Barrier (Non-Spanish Only) <sup>(3)</sup>	39	0.5
Callback Introduction	101	1.4
Spanish Speaker	0	0.0
Business <sup>(5)</sup>	797	10.8
Interview In Progress <sup>(1) (7)</sup>	10	0.1
Mid-Terminate <sup>(1) (8)</sup>	27	0.4
No Head of HH / No One Over 18 <sup>(2)</sup>	15	0.2
Out of Area <sup>(2)</sup>	6	0.1
OQ - Region 1 <sup>(2)</sup>	0	0.0
OQ - Region 2 <sup>(2)</sup>	0	0.0
OQ - Region 3 <sup>(2)</sup>	0	0.0
OQ - Region 4 <sup>(2)</sup>	0	0.0
OQ - Region 5 <sup>(2)</sup>	0	0.0
OQ - Region 6 <sup>(2)</sup>	0	0.0
OQ - Region 7 <sup>(2)</sup>	0	0.0
OQ - Region 8 <sup>(2)</sup>	0	0.0
OQ - Region 9 <sup>(2)</sup>	0	0.0
Complete Interview <sup>(1) (6)</sup>	387	5.2
<b>Sample attempted <sup>(5)</sup></b>	<b>7,410</b>	<b>100.0</b>

## Region Two

- Effective Region Incidence = 93%.
- Response Rate = 50%.
- Cooperation Rate = 41%.
- Completion Rate = 17.6%.

<b>Final Sample Disposition Report</b>		
<u>Disposition</u>	<u>Total Sample</u>	<u>% Of Sample</u>
No Answer	635	8.6%
Busy	190	2.6
Answering Machine	233	3.2
Non-working <sup>(5)</sup>	4,560	61.9
Initial Refusal <sup>(4)</sup>	376	5.1
Final Refusal <sup>(4)</sup>	253	3.4
Never Call <sup>(4)</sup>	25	0.3
Screener Refusal <sup>(4)</sup>	0	0.0
Communication Barrier <sup>(3)</sup>	31	0.4
Language Barrier (Non-Spanish Only) <sup>(3)</sup>	4	0.1
Callback Introduction	127	1.7
Spanish Speaker	0	0.0
Business <sup>(5)</sup>	423	5.7
Interview In Progress <sup>(1) (7)</sup>	23	0.3
Mid-Terminate <sup>(1) (8)</sup>	25	0.3
No Head of HH / No One Over 18 <sup>(2)</sup>	11	0.3
Out of Area <sup>(2)</sup>	9	0.1
OQ - Region 1 <sup>(2)</sup>	0	0.0
OQ - Region 2 <sup>(2)</sup>	0	0.0
OQ - Region 3 <sup>(2)</sup>	0	0.0
OQ - Region 4 <sup>(2)</sup>	0	0.0
OQ - Region 5 <sup>(2)</sup>	0	0.0
OQ - Region 6 <sup>(2)</sup>	0	0.0
OQ - Region 7 <sup>(2)</sup>	0	0.0
OQ - Region 8 <sup>(2)</sup>	0	0.0
OQ - Region 9 <sup>(2)</sup>	0	0.0
Complete Interview <sup>(1) (6)</sup>	424	5.8
<b>Sample attempted <sup>(5)</sup></b>	<b>7,364</b>	<b>100.0</b>

### Region Three

- Effective Region Incidence = 94%.
- Response Rate = 49%.
- Cooperation Rate = 38%.
- Completion Rate = 15.7%.

<b>Final Sample Disposition Report</b>		
<u>Disposition</u>	<u>Total Sample</u>	<u>% Of Sample</u>
No Answer	719	10.3%
Busy	178	2.5
Answering Machine	312	4.5
Non-working <sup>(5)</sup>	3,827	54.7
Initial Refusal <sup>(4)</sup>	497	7.1
Final Refusal <sup>(4)</sup>	238	3.4
Never Call <sup>(4)</sup>	15	0.2
Screener Refusal <sup>(4)</sup>	7	0.1
Communication Barrier <sup>(3)</sup>	36	0.5
Language Barrier (Non-Spanish Only) <sup>(3)</sup>	12	0.2
Callback Introduction	104	1.5
Spanish Speaker	0	0.0
Business <sup>(5)</sup>	545	7.8
Interview In Progress <sup>(1) (7)</sup>	22	0.3
Mid-Terminate <sup>(1) (8)</sup>	34	0.5
No Head of HH / No One Over 18 <sup>(2)</sup>	14	0.2
Out of Area <sup>(2)</sup>	6	0.1
OQ - Region 1 <sup>(2)</sup>	0	0.0
OQ - Region 2 <sup>(2)</sup>	0	0.0
OQ - Region 3 <sup>(2)</sup>	23	0.3
OQ - Region 4 <sup>(2)</sup>	0	0.0
OQ - Region 5 <sup>(2)</sup>	0	0.0
OQ - Region 6 <sup>(2)</sup>	0	0.0
OQ - Region 7 <sup>(2)</sup>	0	0.0
OQ - Region 8 <sup>(2)</sup>	0	0.0
OQ - Region 9 <sup>(2)</sup>	0	0.0
Complete Interview <sup>(1) (6)</sup>	431	6.2
<b>Sample attempted <sup>(5)</sup></b>	<b>7,000</b>	<b>100.0</b>

## Region Four

- Effective Region Incidence = 91%.
- Response Rate = 41%.
- Cooperation Rate = 37%.
- Completion Rate = 13.5%.

<b>Final Sample Disposition Report</b>		
<u>Disposition</u>	<u>Total Sample</u>	<u>% Of Sample</u>
No Answer	918	13.1%
Busy	198	2.8
Answering Machine	474	6.8
Non-working <sup>(5)</sup>	3,550	50.8
Initial Refusal <sup>(4)</sup>	520	7.4
Final Refusal <sup>(4)</sup>	158	2.2
Never Call <sup>(4)</sup>	22	0.3
Screener Refusal <sup>(4)</sup>	4	0.1
Communication Barrier <sup>(3)</sup>	22	0.3
Language Barrier (Non-Spanish Only) <sup>(3)</sup>	7	0.1
Callback Introduction	134	1.9
Spanish Speaker	0	0.0
Business <sup>(5)</sup>	527	7.5
Interview In Progress <sup>(1) (7)</sup>	19	0.3
Mid-Terminate <sup>(1) (8)</sup>	21	0.3
No Head of HH / No One Over 18 <sup>(2)</sup>	7	0.1
Out of Area <sup>(2)</sup>	4	0.1
OQ - Region 1 <sup>(2)</sup>	0	0.0
OQ - Region 2 <sup>(2)</sup>	0	0.0
OQ - Region 3 <sup>(2)</sup>	0	0.0
OQ - Region 4 <sup>(2)</sup>	34	0.5
OQ - Region 5 <sup>(2)</sup>	0	0.0
OQ - Region 6 <sup>(2)</sup>	0	0.0
OQ - Region 7 <sup>(2)</sup>	0	0.0
OQ - Region 8 <sup>(2)</sup>	0	0.0
OQ - Region 9 <sup>(2)</sup>	0	0.0
Complete Interview <sup>(1) (6)</sup>	402	5.8
<b>Sample attempted <sup>(5)</sup></b>	<b>6,987</b>	<b>100.0</b>

## Region Five

- Effective Region Incidence = 94%.
- Response Rate = 44%.
- Cooperation Rate = 40%.
- Completion Rate = 15.0%.

<b>Final Sample Disposition Report</b>		
<u>Disposition</u>	<u>Total Sample</u>	<u>% Of Sample</u>
No Answer	779	12.9%
Busy	211	3.5
Answering Machine	390	6.5
Non-working <sup>(5)</sup>	2,936	48.8
Initial Refusal <sup>(4)</sup>	465	7.7
Final Refusal <sup>(4)</sup>	162	2.7
Never Call <sup>(4)</sup>	22	0.4
Screener Refusal <sup>(4)</sup>	0	0.0
Communication Barrier <sup>(3)</sup>	25	0.4
Language Barrier (Non-Spanish Only) <sup>(3)</sup>	7	0.1
Callback Introduction	120	2.0
Spanish Speaker	0	0.0
Business <sup>(5)</sup>	415	6.9
Interview In Progress <sup>(1) (7)</sup>	25	0.4
Mid-Terminate <sup>(1) (8)</sup>	31	0.5
No Head of HH / No One Over 18 <sup>(2)</sup>	11	0.2
Out of Area <sup>(2)</sup>	5	0.1
OQ - Region 1 <sup>(2)</sup>	0	0.0
OQ - Region 2 <sup>(2)</sup>	0	0.0
OQ - Region 3 <sup>(2)</sup>	0	0.0
OQ - Region 4 <sup>(2)</sup>	0	0.0
OQ - Region 5 <sup>(2)</sup>	15	0.2
OQ - Region 6 <sup>(2)</sup>	0	0.0
OQ - Region 7 <sup>(2)</sup>	0	0.0
OQ - Region 8 <sup>(2)</sup>	0	0.0
OQ - Region 9 <sup>(2)</sup>	0	0.0
Complete Interview <sup>(1) (6)</sup>	402	6.7
<b>Sample attempted <sup>(5)</sup></b>	<b>6,026</b>	<b>100.0</b>

## Region Six

- Effective Region Incidence = 96%.
- Response Rate = 51%.
- Cooperation Rate = 60%.
- Completion Rate = 26.3%.

<b>Final Sample Disposition Report</b>		
<u>Disposition</u>	<u>Total Sample</u>	<u>% Of Sample</u>
No Answer	428	5.3%
Busy	66	0.8
Answering Machine	112	1.4
Non-working <sup>(5)</sup>	6,190	76.3
Initial Refusal <sup>(4)</sup>	61	0.8
Final Refusal <sup>(4)</sup>	200	2.5
Never Call <sup>(4)</sup>	19	0.2
Screening Refusal <sup>(4)</sup>	1	0.0
Communication Barrier <sup>(3)</sup>	22	0.3
Language Barrier (Non-Spanish Only) <sup>(3)</sup>	13	0.2
Callback Introduction	105	1.3
Spanish Speaker	0	0.0
Business <sup>(5)</sup>	440	5.4
Interview In Progress <sup>(1) (7)</sup>	15	0.2
Mid-Terminate <sup>(1) (8)</sup>	17	0.2
No Head of HH / No One Over 18 <sup>(2)</sup>	9	0.1
Out of Area <sup>(2)</sup>	8	0.1
OQ - Region 1 <sup>(2)</sup>	0	0.0
OQ - Region 2 <sup>(2)</sup>	0	0.0
OQ - Region 3 <sup>(2)</sup>	0	0.0
OQ - Region 4 <sup>(2)</sup>	0	0.0
OQ - Region 5 <sup>(2)</sup>	0	0.0
OQ - Region 6 <sup>(2)</sup>	0	0.0
OQ - Region 7 <sup>(2)</sup>	0	0.0
OQ - Region 8 <sup>(2)</sup>	0	0.0
OQ - Region 9 <sup>(2)</sup>	0	0.0
Complete Interview <sup>(1) (6)</sup>	403	5.0
<b>Sample attempted <sup>(5)</sup></b>	<b>8,114</b>	<b>100.0</b>

## Region Seven

- Effective Region Incidence = 91%.
- Response Rate = 45%.
- Cooperation Rate = 37%.
- Completion Rate = 14.0%.

<b>Final Sample Disposition Report</b>		
<u>Disposition</u>	<u>Total Sample</u>	<u>% Of Sample</u>
No Answer	782	11.9%
Busy	217	3.3
Answering Machine	448	6.8
Non-working <sup>(5)</sup>	2,972	45.3
Initial Refusal <sup>(4)</sup>	547	8.3
Final Refusal <sup>(4)</sup>	187	2.8
Never Call <sup>(4)</sup>	21	0.3
Screener Refusal <sup>(4)</sup>	1	0.0
Communication Barrier <sup>(3)</sup>	32	0.5
Language Barrier (Non-Spanish Only) <sup>(3)</sup>	9	0.1
Callback Introduction	159	2.3
Spanish Speaker	0	0.0
Business <sup>(5)</sup>	676	10.3
Interview In Progress <sup>(1) (7)</sup>	19	0.3
Mid-Terminate <sup>(1) (8)</sup>	29	0.4
No Head of HH / No One Over 18 <sup>(2)</sup>	31	0.5
Out of Area <sup>(2)</sup>	5	0.1
OQ - Region 1 <sup>(2)</sup>	0	0.0
OQ - Region 2 <sup>(2)</sup>	0	0.0
OQ - Region 3 <sup>(2)</sup>	0	0.0
OQ - Region 4 <sup>(2)</sup>	0	0.0
OQ - Region 5 <sup>(2)</sup>	0	0.0
OQ - Region 6 <sup>(2)</sup>	0	0.0
OQ - Region 7 <sup>(2)</sup>	11	0.2
OQ - Region 8 <sup>(2)</sup>	0	0.0
OQ - Region 9 <sup>(2)</sup>	0	0.0
Complete Interview <sup>(1) (6)</sup>	410	6.3
<b>Sample attempted <sup>(5)</sup></b>	<b>6,559</b>	<b>100.0</b>

## Region Eight

- Effective Region Incidence = 96%.
- Response Rate = 46%.
- Cooperation Rate = 51%.
- Completion Rate = 20.0%.

<b>Final Sample Disposition Report</b>		
<u>Disposition</u>	<u>Total Sample</u>	<u>% Of Sample</u>
No Answer	465	6.5%
Busy	297	4.1
Answering Machine	202	2.8
Non-working <sup>(5)</sup>	4,745	66.2
Initial Refusal <sup>(4)</sup>	286	4.0
Final Refusal <sup>(4)</sup>	117	1.6
Never Call <sup>(4)</sup>	12	0.2
Screener Refusal <sup>(4)</sup>	1	0.0
Communication Barrier <sup>(3)</sup>	34	0.5
Language Barrier (Non-Spanish Only) <sup>(3)</sup>	5	0.1
Callback Introduction	125	1.7
Spanish Speaker	0	0.0
Business <sup>(5)</sup>	409	5.7
Interview In Progress <sup>(1) (7)</sup>	17	0.2
Mid-Terminate <sup>(1) (8)</sup>	31	0.4
No Head of HH / No One Over 18 <sup>(2)</sup>	14	0.2
Out of Area <sup>(2)</sup>	6	0.1
OQ - Region 1 <sup>(2)</sup>	0	0.0
OQ - Region 2 <sup>(2)</sup>	0	0.0
OQ - Region 3 <sup>(2)</sup>	0	0.0
OQ - Region 4 <sup>(2)</sup>	0	0.0
OQ - Region 5 <sup>(2)</sup>	0	0.0
OQ - Region 6 <sup>(2)</sup>	0	0.0
OQ - Region 7 <sup>(2)</sup>	0	0.0
OQ - Region 8 <sup>(2)</sup>	0	0.0
OQ - Region 9 <sup>(2)</sup>	0	0.0
Complete Interview <sup>(1) (6)</sup>	404	5.6
<b>Sample attempted <sup>(5)</sup></b>	<b>7,170</b>	<b>100.0</b>

## Region Nine

- Effective Region Incidence = 94%.
- Response Rate = 55%.
- Cooperation Rate = 54%.
- Completion Rate = 24.9%.

<b>Final Sample Disposition Report</b>		
<u>Disposition</u>	<u>Total Sample</u>	<u>% Of Sample</u>
No Answer	376	5.0%
Busy	128	1.7
Answering Machine	130	1.7
Non-working <sup>(5)</sup>	5,577	73.8
Initial Refusal <sup>(4)</sup>	188	2.5
Final Refusal <sup>(4)</sup>	152	2.0
Never Call <sup>(4)</sup>	17	0.2
Screener Refusal <sup>(4)</sup>	0	0.0
Communication Barrier <sup>(3)</sup>	36	0.5
Language Barrier (Non-Spanish Only) <sup>(3)</sup>	14	0.2
Callback Introduction	86	1.1
Spanish Speaker	0	0.0
Business <sup>(5)</sup>	347	4.6
Interview In Progress <sup>(1) (7)</sup>	15	0.2
Mid-Terminate <sup>(1) (8)</sup>	26	0.3
No Head of HH / No One Over 18 <sup>(2)</sup>	17	0.2
Out of Area <sup>(2)</sup>	9	0.1
OQ - Region 1 <sup>(2)</sup>	0	0.0
OQ - Region 2 <sup>(2)</sup>	0	0.0
OQ - Region 3 <sup>(2)</sup>	0	0.0
OQ - Region 4 <sup>(2)</sup>	0	0.0
OQ - Region 5 <sup>(2)</sup>	0	0.0
OQ - Region 6 <sup>(2)</sup>	0	0.0
OQ - Region 7 <sup>(2)</sup>	0	0.0
OQ - Region 8 <sup>(2)</sup>	0	0.0
OQ - Region 9 <sup>(2)</sup>	2	0.0
Complete Interview <sup>(1) (6)</sup>	400	5.3
<b>Sample attempted <sup>(5)</sup></b>	<b>7,520</b>	<b>100.0</b>