

**2003**

**Behavioral Risk Factor Surveillance System**

**Summary Data Quality Report**

**November 18, 2004**

2003 Summary Data Quality Report 1

**2003 BRFSS Summary Data Quality Report**

This report provides selected statistical indicators of data quality in the Behavioral Risk Factor

Surveillance System (BRFSS). The report presents data on three general types of measures by state1:

(1) Outcome measures, including response rates, which are based on disposition codes. (2) Selection biases with respect to sex, age, and race/ethnicity.

(3) Missing values on income.

The measures in this report are designed to document the quality of BRFSS data.2 “Data quality” in this report refers to the accuracy of BRFSS data.

Outcome Measures

The factors affecting the distribution of disposition codes by state may be grouped into differences in telephone systems, sample designs, surveyed populations, and data collection processes. Different outcome measures are variously affected by differences in these factors.

Tables 1 and 2 present the frequency of the individual final disposition codes by state. Table 1 shows the distribution of all telephone numbers of determined eligibility status in the sample. Table 2 presents this distribution for numbers of unknown eligibility. The number of completed interviews (110) plus the number of partial interviews (120) divided by the total number of records by state is the Efficiency Rate.

Table 3 presents brief descriptions of each final call disposition code.

Table 4 shows the frequency distribution and Table 5 shows the percent (of all numbers in the sample) distribution of disposition codes for each state grouped into several descriptive categories. The categories shown in Tables 4 and 5 and used in the calculations of the outcome rates in Table 6 are defined below. *P* in the table below is the proportion of records with a final disposition code of 210 for which more than half of the core questionnaire prior to the demographics section was completed. These interviews are included in the response rate numerator but are not used in calculating estimates of risk factors and prevalences.

|  |  |  |
| --- | --- | --- |
| **Categories of Call Outcomes** | | |
| Category | Disposition Code Definition | Format in Tables/Formulas |
| Completed Interview | 110+120+(210\* *P*) | COIN |
| Terminations and Refusals | (210\*(1- *P)*)+220 | TERE |
| Known Household, Possibly  Eligible, Non-interview | 230+240+250+260+270+280  +305+310+315+335 | KNHH |
| Likely Households | 320+325+330+332+340+355+  370 | LIHH |
| Answering Machine Unknown | 345+350 | AMUR |
| Ineligible Households | 410 | INHH |
| Non-Contact | 360+365 | NCUS |
| Business Non-Residential | 420 | BUNR |

1 In this report, “state” includes the District of Columbia, Puerto Rico, the U.S. Virgin Islands, and Guam.

2 The measures in this report are only indirect indicators of the quality of the data collection effort or adherence to

BRFSS protocols.

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|  |  |  |
| --- | --- | --- |
| **Categories of Call Outcomes** | | |
| Category | Disposition Code Definition | Format in Tables/Formulas |
| Non-working Out-of-Scope | 405+430+440+450 | NOSN |
| Eligible, Non-Interview | 210+220+230+240+250+260+  270+280 | Elig HH |
| Known or Probable Household,  Unknown Eligibility | 305+310+315+320+325+330+  332+335+340+345+350+355+  370 | EUHH |
| Unknown Eligibility | EUHH+NCUS | Total Unknown |
| Ineligible | 410+420+NOSN | Total Ineligible |
| All Known or Probable  Households | COIN+TERE+KNHH+LIHH+  INHH | HH |
| Total Records | All numbers in sample | TOTAL |

Table 6 provides the many outcome rates for each state that are used to measure respondent cooperation, data quality, and data collection efficiency. The Resolution Rate is the proportion of all telephone numbers in the sample for which the status of the numbers as households with working numbers has been resolved. Records for which household status remains unknown are excluded from the numerator. The formula for the Resolution Rate is

⎡ *COIN* + *TERE* + *KNHH*

+ *INHH*

+ *BUNR* + *NOSN* ⎤

⎣⎢ *TOTAL* ⎥⎦

The Screening Completion Rate is the proportion of all known households in which the presence or absence of an eligible respondent has been determined and in which, for eligible households, an interviewer actually spoke to the selected respondent. Households in which the presence or absence of an adult is unknown are excluded from the numerator. Its formula is

⎡ *COIN* + *TERE* + *INHH* ⎤

⎣⎢ *COIN* + *TERE* + *INHH*

+ *KNHH* ⎥⎦

The Interview Completion Rate is the proportion of contacted selected respondents who successfully complete an interview. This rate is a type of cooperation rate. An alternate response rate definition is the product of these three rates. The formula for the Interview Completion Rate is

⎡ *COIN* ⎤

⎢⎣ *COIN* + *TERE* ⎥⎦

The Cooperation Rate is the proportion of all respondents interviewed of all eligible units that were

actually contacted. Non-contacts are excluded from the denominator. This rate is based on contacts with households containing an eligible respondent. The denominator of the rate includes completed interviews plus the number of non-interviews that involve the identification of and contact with an eligible

respondent. A Cooperation Rate below 65 percent may indicate some problem with interviewing

techniques. The denominator of the Cooperation Rate consists of records with disposition codes of 110,

120, 210, 220, 250, and 260. Thus, the formula for the BRFSS Cooperation Rate is

⎡ *COIN* ⎤

⎢⎣ *COIN*

+ *TERE* + 250 + 260 ⎥⎦

A Response Rate is an outcome rate with the number of completed and partial interviews in the numerator and an estimate of the number of eligible units in the sample in the denominator. A proportion

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of the terminations (210) are included as partial interviews in the BRFSS CASRO Response Rate calculation because more than fifty percent of the core questionnaire was completed for these telephone numbers. The BRFSS CASRO Response Rate calculation assumes that the unresolved numbers contain the same percentage of eligible households as the records whose eligibility or ineligibility are determined. This estimated level of eligibility provides a conservative response rate due to the fact that the proportion of these unknown eligible telephone numbers that are eligible is probably quite low, given the fifteen or more call attempts required by BRFSS protocol. The formula for the BRFSS CASRO Rate is

⎡ ⎤

⎢ ⎥

⎢ *COIN* ⎥

⎢ ⎛ 110 + 120 + *EligHH* ⎞ ⎥

⎢ (110 + 120 + *EligHH*) + ⎜ ( )⎟ ×*Unknown*⎥

⎣ ⎝ 110 + 120 + *EligHH* + *Ineligible* ⎠ ⎦

The response rate is an indicator of the potential for bias in the results of a survey. It does not indicate the actual amount of bias. The actual amount of bias can be conceptualized as a function of two factors—the amount of non-response, which is measured by a response rate, and the differences between the respondents and the non-respondents. A response rate does not address the latter factor.

If the non-respondents are highly similar to the respondents for the characteristics of interest, then even a low response rate will result in little non-response bias.

Table 6 also presents the BRFSS Overall Response Rate. The Overall Response Rate is a more conservative response rate that assumes that more unknown records are eligible and thus includes a higher proportion of all numbers in the denominator. The rate assumes that 90 percent of likely households are households and that 98 percent of households contain an adult who uses the phone number.

The Overall Response Rate formula is

⎡ *COIN* ⎤

.⎢ ⎥

⎣ (.98 \* (*COIN* + *TERE* + *KNHH*

+ *INHH* + (.90 \* ( *LIHH* + *AMUR* )))) ⎦

The BRFSS Refusal Rate is the proportion of all eligible respondents that refused to complete an interview or terminated an interview prior to the threshold required to be considered a partial interview. Refusals and terminations (TERE) are in the numerator, and the denominator is the same as that of the Response Rate.

Selection Biases

Tables 7 through 14 present data on the differences between BRFSS and population data with respect to sex, age, and race/ethnicity by state. In these tables, BRFSS data are weighted for the characteristics of the sample design—disproportionate sampling by geographic and density strata (where they exist),

number of phones, and number of adults in the household.3

Since these factors are built into the sample

design, they should be adjusted for before comparing survey distributions to population distributions. No definitive standards exist with respect to what constitutes a substantial difference between survey and

population percentages.

One approach would be to examine the distribution of discrepant values with the

purpose of identifying extreme values, or outliers, which may indicate biased data.

3 These factors make up the variable \_WT2 in the BRFSS data sets.

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Income Missing Values

Table 15 presents the percent missing (Don’t know/Not sure or Refused or either) income by state. Income is the variable in the survey data with the largest percentage of missing values. A larger percentage of missing values for income implies lower quality data for income and, by extension, for other variables.

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Table 1. BRFSS Call Dispositions, Frequency Distribution by State for Numbers of Known Eligibility, 2003

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| State | 110 |  | 120 |  | 210 |  | 220 |  | 230 |  | 240 |  | 250 |  | 260 |  | 270 | 280 | Total  Eligible |  | 405 |  | 410 |  | 420 |  | 430 |  | 440 |  | 450 |  | Total  Ineligible |
| AK | 2611 |  | 54 |  | 116 |  | 554 |  | 176 | | 212 |  | 43 |  | 36 |  | 14 | 2 | 3,818 |  | 1 |  | 30 |  | 1830 |  | 846 | |  | 1 | 10594 |  | 13,302 |
| AL | 3220 |  | 119 |  | 287 |  | 973 |  | 304 | | 76 |  | 8 |  | 61 |  | 37 | 11 | 5,096 |  | 0 |  | 21 |  | 2199 |  | 386 | | 246 | | 5351 |  | 8,203 |
| AR | 3959 |  | 246 |  | 344 |  | 1170 |  | 178 | | 648 |  | 38 |  | 232 |  | 36 | 1 | 6,852 |  | 2 |  | 18 |  | 2272 |  | 786 | | 117 | | 9219 |  | 12,414 |
| AZ | 3177 |  | 58 |  | 84 |  | 753 |  | 149 | | 170 |  | 103 |  | 53 |  | 18 | 1 | 4,566 |  | 0 |  | 35 |  | 2291 |  | 721 | | 81 | | 6687 |  | 9,815 |
| CA | 4170 |  | 305 |  | 177 |  | 1889 |  | 317 | | 227 |  | 799 |  | 167 |  | 0 | 0 | 8,051 |  | 0 |  | 44 |  | 4554 |  | 2158 | | 191 | | 9057 |  | 16,004 |
| CO | 3982 |  | 84 |  | 118 |  | 793 |  | 429 | | 151 |  | 32 |  | 83 |  | 6 | 3 | 5,681 |  | 0 |  | 32 |  | 4164 |  | 1362 | | 182 | | 8992 |  | 14,732 |
| CT | 4821 |  | 496 |  | 168 |  | 2441 |  | 493 | | 541 |  | 142 |  | 142 |  | 77 | 9 | 9,330 |  | 0 |  | 94 |  | 5499 |  | 1618 | | 102 | | 10683 |  | 17,996 |
| DC | 1807 |  | 235 |  | 122 |  | 813 |  | 245 | | 178 |  | 44 |  | 32 |  | 30 | 6 | 3,512 |  | 0 |  | 16 |  | 4167 |  | 1028 | |  | 0 | 8713 |  | 13,924 |
| DE | 3990 |  | 52 |  | 54 |  | 907 |  | 807 | | 66 |  | 10 |  | 66 |  | 11 | 6 | 5,969 |  | 1 |  | 67 |  | 2690 |  | 1094 | | 227 | | 3847 |  | 7,926 |
| FL | 4791 |  | 247 |  | 247 |  | 1949 |  | 427 | | 504 |  | 128 |  | 148 |  | 34 | 3 | 8,478 |  | 0 |  | 64 |  | 4203 |  | 1378 | | 639 | | 11526 |  | 17,810 |
| GA | 7305 |  | 346 |  | 446 |  | 2720 |  | 828 | | 485 |  | 56 |  | 196 |  | 85 | 8 | 12,475 |  | 22 |  | 80 |  | 6454 |  | 1981 | | 730 | | 18746 |  | 28,013 |
| GU | 766 |  | 41 |  | 41 |  | 205 |  | 110 | | 108 |  | 92 |  | 13 |  | 3 | 1 | 1,380 |  | 0 |  | 4 |  | 1461 |  | 314 | |  | 0 | 3937 |  | 5,716 |
| HI | 4298 |  | 41 |  | 59 |  | 868 |  |  | 6 | 265 |  | 855 |  | 0 |  | 0 | 0 | 6,392 |  | 33 |  | 28 |  | 4951 |  | 3523 | |  | 1 | 15790 |  | 24,326 |
| IA | 4810 |  | 193 |  | 52 |  | 926 |  | 378 | | 574 |  | 44 |  | 223 |  | 5 | 1 | 7,206 |  | 0 |  | 5 |  | 2059 |  | 679 | | 238 | | 10396 |  | 13,377 |
| ID | 4824 |  | 175 |  | 256 |  | 1189 |  | 239 | | 482 |  | 93 |  | 137 |  | 27 | 1 | 7,423 |  | 7 |  | 14 |  | 2963 |  | 1066 | | 2055 | | 9193 |  | 15,298 |
| IL | 5233 |  | 34 |  | 148 |  | 1877 |  | 441 | | 128 |  | 65 |  | 107 |  | 249 | 26 | 8,308 |  | 6 |  | 29 |  | 2690 |  | 535 | | 251 | | 2546 |  | 6,057 |
| IN | 5165 |  | 316 |  | 379 |  | 1513 |  | 224 | | 1249 |  | 40 |  | 200 |  | 38 | 0 | 9,124 |  | 2 |  | 24 |  | 3849 |  | 1107 | | 327 | | 12056 |  | 17,365 |
| KS | 4541 |  | 76 |  | 118 |  | 1267 |  | 252 | | 131 |  | 12 |  | 46 |  | 33 | 0 | 6,476 |  | 0 |  | 14 |  | 3460 |  | 510 | | 226 | | 9318 |  | 13,528 |
| KY | 7258 |  | 375 |  | 113 |  | 1360 |  |  | 8 | 811 |  | 16 |  | 118 |  | 77 | 1 | 10,137 |  | 1 |  | 53 |  | 4675 |  | 713 | | 92 | | 19080 |  | 24,614 |
| LA | 4880 |  | 202 |  | 321 |  | 1919 |  | 614 | | 296 |  | 33 |  | 170 |  | 44 | 3 | 8,482 |  | 1 |  | 66 |  | 3147 |  | 1166 | | 367 | | 12051 |  | 16,798 |
| MA | 6447 |  | 1133 |  | 365 |  | 4024 |  | 733 | | 621 |  | 381 |  | 159 |  | 145 | 16 | 14,024 |  | 0 |  | 89 |  | 7595 |  | 2116 | | 39 | | 13718 |  | 23,557 |
| MD | 4123 |  | 312 |  | 147 |  | 2063 |  | 399 | | 499 |  | 80 |  | 96 |  | 73 | 5 | 7,797 |  | 0 |  | 61 |  | 4439 |  | 1529 | | 47 | | 9092 |  | 15,168 |
| ME | 2255 |  | 137 |  | 42 |  | 790 |  | 105 | | 144 |  | 15 |  | 57 |  | 28 | 0 | 3,573 |  | 0 |  | 12 |  | 1303 |  | 307 | | 16 | | 4264 |  | 5,902 |
| MI | 3471 |  | 80 |  | 70 |  | 899 |  | 667 | | 57 |  | 32 |  | 127 |  | 1 | 0 | 5,404 |  | 0 |  | 16 |  | 3954 |  |  | 7 | 217 | | 8564 |  | 12,758 |
| MN | 3850 |  | 33 |  | 23 |  | 567 |  | 628 | | 141 |  | 56 |  | 121 |  | 2 | 0 | 5,421 |  | 2 |  | 22 |  | 1100 |  | 626 | | 136 | | 9123 |  | 11,009 |
| MO | 4129 |  | 123 |  | 223 |  | 743 |  | 570 | | 61 |  | 20 |  | 87 |  | 12 | 4 | 5,972 |  | 1 |  | 24 |  | 2204 |  | 674 | | 400 | | 7343 |  | 10,646 |
| MS | 4281 |  | 141 |  | 278 |  | 1212 |  | 452 | | 311 |  | 12 |  | 124 |  | 32 | 3 | 6,846 |  | 6 |  | 39 |  | 2516 |  | 749 | | 187 | | 6756 |  | 10,253 |
| MT | 3812 |  | 212 |  | 72 |  | 1106 |  | 201 | | 254 |  | 3 |  | 94 |  | 21 | 2 | 5,777 |  | 0 |  | 24 |  | 2071 |  | 584 | | 34 | | 10671 |  | 13,384 |
| NC | 9244 |  | 211 |  | 231 |  | 1888 |  | 286 | | 1042 |  | 36 |  | 369 |  | 45 | 2 | 13,354 |  | 7 |  | 32 |  | 4930 |  | 1572 | | 603 | | 14324 |  | 21,468 |
| ND | 2898 |  | 128 |  | 180 |  | 641 |  | 113 | | 476 |  | 10 |  | 74 |  | 10 | 0 | 4,530 |  | 1 |  | 11 |  | 1509 |  | 462 | | 195 | | 6949 |  | 9,127 |
| NE | 4805 |  | 174 |  | 109 |  | 1087 |  | 353 | | 57 |  | 6 |  | 34 |  | 25 | 1 | 6,651 |  | 0 |  | 25 |  | 2710 |  | 647 | | 105 | | 11280 |  | 14,767 |
| NH | 4732 |  | 310 |  | 88 |  | 1808 |  | 263 | | 355 |  | 33 |  | 92 |  | 43 | 3 | 7,727 |  | 0 |  | 30 |  | 3762 |  | 1194 | | 200 | | 7917 |  | 13,103 |
| NJ | 10367 |  | 938 |  | 531 |  | 6116 |  | 1102 | | 1651 |  | 562 |  | 273 |  | 200 | 28 | 21,768 |  | 0 |  | 425 |  | 14839 |  | 5578 | | 1093 | | 26420 |  | 48,355 |
| NM | 5212 |  | 282 |  | 216 |  | 1312 |  | 662 | | 222 |  | 14 |  | 197 |  | 14 | 0 | 8,131 |  | 3 |  | 35 |  | 2837 |  | 1126 | | 160 | | 11542 |  | 15,703 |
| NV | 2927 |  | 46 |  | 37 |  | 494 |  | 254 | | 31 |  | 10 |  | 61 |  | 31 | 3 | 3,894 |  | 0 |  | 61 |  | 1676 |  | 906 | | 161 | | 4327 |  | 7,131 |
| NY | 5189 |  | 355 |  | 571 |  | 1750 |  | 407 | | 1689 |  | 223 |  | 220 |  | 66 | 0 | 10,470 |  | 5 |  | 29 |  | 6521 |  | 2156 | | 483 | | 13598 |  | 22,792 |

State 110 120 210 220 230 240 250 260 270 280 Total

Eligible

405 410 420 430 440 450 Total

Ineligible

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OH | 3,413 | 411 | 182 | 2,076 |  | 451 |  | 321 |  | 43 |  | 105 | 58 | 9 | 7,069 |  | 0 |  | 37 | 3,048 | 954 | 160 | 10,195 | 14,394 |
| OK | 7,580 | 53 | 201 | 1,146 |  | 545 |  | 790 |  | 26 |  | 199 | 18 | 4 | 10,562 |  | 2 |  | 55 | 3,446 | 1,166 | 436 | 12,492 | 17,597 |
| OR | 3,838 | 178 | 192 | 1,038 |  | 161 |  | 656 |  | 58 |  | 142 | 23 | 0 | 6,286 |  | 3 |  | 17 | 2,864 | 1,066 | 175 | 8,258 | 12,383 |
| PA 3,515 156 259 961 186 844 37 145 28 1 6,132 2 27 3,316 1,111 210 6,603 11,269 | | | | | | | | | | | | | | | | | | | | | | | | |
| PR | 4,146 | 20 | 44 | 193 |  | 175 |  | 179 |  | 4 |  | 135 | 11 | 2 | 4,909 |  | 1 |  | 8 | 2,066 | 426 | 4,686 | 3,276 | 10,463 |
| RI | 3,705 | 348 | 145 | 1,755 |  | 284 |  | 319 |  | 145 |  | 94 | 55 | 6 | 6,856 |  | 0 |  | 42 | 3,112 | 825 | 63 | 6,482 | 10,524 |
| SC | 5,415 | 511 | 646 | 1,889 |  | 361 |  | 1,766 |  | 70 |  | 319 | 60 | 1 | 11,038 |  | 9 |  | 43 | 4,755 | 1,582 | 546 | 13,657 | 20,592 |
| SD | 5,194 | 68 | 100 | 1,183 |  | 287 |  | 210 |  | 9 |  | 44 | 25 | 3 | 7,123 |  | 0 |  | 15 | 2,847 | 789 | 265 | 14,125 | 18,041 |
| TN 2,525 64 17 370 56 14 3 6 0 0 3,055 0 33 865 584 93 5,555 7,130 | | | | | | | | | | | | | | | | | | | | | | | | |
| TX | 5,536 | 499 | 668 | 2,137 |  | 361 |  | 1,925 |  | 100 |  | 247 | 66 | 1 | 11,540 |  | 6 |  | 50 | 5,385 | 2,417 | 570 | 18,413 | 26,841 |
| UT | 3,992 | 62 | 93 | 666 |  | 368 |  | 29 |  | 15 |  | 55 | 22 | 2 | 5,304 |  | 0 |  | 2 | 1,508 | 734 | 90 | 6,005 | 8,339 |
| VA | 5,080 | 362 | 367 | 1,345 |  | 353 |  | 438 |  | 56 |  | 178 | 28 | 1 | 8,208 |  | 56 |  | 10 | 2,939 | 1,100 | 188 | 8,347 | 12,640 |
| VI | 1,956 | 96 | 250 | 335 |  | 109 |  | 446 |  | 50 |  | 79 | 5 | 0 | 3,326 |  | 0 |  | 10 | 2,661 | 732 | 289 | 8,392 | 12,084 |
| VT 4,048 202 206 849 178 723 16 131 14 2 6,369 7 15 2,765 833 82 8,422 12,124 | | | | | | | | | | | | | | | | | | | | | | | | |
| WA | 18,249 | 395 | 681 | 7,203 |  | 4,551 |  | 2,254 |  | 321 |  | 940 | 179 | 8 | 34,781 |  | 49 |  | 114 | 14,398 | 5,626 | 5,088 | 50,984 | 76,259 |
| WI | 3,922 | 132 | 208 | 1,134 |  | 6 |  | 34 |  | 25 |  | 61 | 171 | 82 | 5,775 |  | 0 |  | 11 | 1,680 | 524 | 59 | 6,488 | 8,762 |
| WV | 3,310 | 39 | 72 | 588 |  | 194 |  | 152 |  | 0 |  | 93 | 16 | 0 | 4,464 |  | 0 |  | 12 | 1,078 | 318 | 23 | 2,697 | 4,128 |

WY 3,897 107 186 781 123 627 26 99 14 0 5,860 2 15 2,402 856 302 8,302 11,879

Cumulative 252,671 12,013 11,350 78,235 22,569 26,640 5,150 7,487 2,365 272 418,752 238 2,189 194,679 64,847 23,474 562,363 847,790

Median 4,138 175 179 1,140 296 315 38 113 28 2 6,749 1 29 2,902 881 190 9,075 13,340

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Table 2. BRFSS Call Dispositions, Frequency Distribution by State for Telephone Numbers of Unknown Eligibility, 2003

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| State | 305 | 310 |  | 315 | 320 | 325 | 330 |  | 332 |  | 335 |  | 340 |  | 345 | 350 | 355 | 360 |  | 365 |  | 370 |  | Total  Unknown |
| AK | 59 | 259 |  | 37 | 14 | 2 | 575 |  | 72 |  | 94 |  | 9 |  | 351 | 22 | 83 | 930 |  | 167 |  | 0 |  | 2,674 |
| AL | 31 | 1,568 |  | 321 | 34 | 23 | 933 |  | 19 |  | 787 |  | 123 |  | 69 | 241 | 210 | 636 |  | 57 |  | 0 |  | 5,052 |
| AR | 93 | 760 |  | 81 | 91 | 59 | 1,752 |  | 70 |  | 240 |  | 0 |  | 213 | 4 | 213 | 919 |  | 89 |  | 0 |  | 4,584 |
| AZ | 37 | 1,221 |  | 250 | 179 | 18 | 341 |  | 46 |  | 703 |  | 266 |  | 1 | 3 | 647 | 982 |  | 125 |  | 0 |  | 4,819 |
| CA | 83 | 3,500 |  | 798 | 940 | 23 | 656 |  | 238 |  | 129 |  | 21 |  | 1,201 | 484 | 164 | 2,486 |  | 166 |  | 0 |  | 10,889 |
| CO | 44 | 453 |  | 103 | 33 | 13 | 1,198 |  | 223 |  | 149 |  | 14 |  | 609 | 30 | 99 | 1,172 |  | 197 |  | 0 |  | 4,337 |
| CT | 335 | 2,565 |  | 420 | 228 | 81 | 3,117 |  | 353 |  | 757 |  | 482 |  | 316 | 360 | 1,181 | 2,767 |  | 361 |  | 1 |  | 13,324 |
| DC | 76 | 732 |  | 253 | 145 | 27 | 1,081 |  | 243 |  | 410 |  | 138 |  | 151 | 146 | 405 | 2,872 |  | 435 |  | 0 |  | 7,114 |
| DE | 1,234 | 1,290 |  | 71 | 48 | 66 | 738 |  | 31 |  | 696 |  | 2 |  | 0 | 0 | 252 | 1,475 |  | 2 |  | 0 |  | 5,905 |
| FL | 120 | 3,550 |  | 658 | 202 | 98 | 911 |  | 106 |  | 2,051 |  | 249 |  | 6 | 1 | 1,193 | 1,583 |  | 134 |  | 0 |  | 10,862 |
| GA | 305 | 2,684 |  | 447 | 207 | 31 | 4,124 |  | 319 |  | 1,048 |  | 12 |  | 689 | 53 | 781 | 1,701 |  | 198 |  | 12 |  | 12,611 |
| GU | 42 | 55 |  | 34 | 78 | 5 | 117 |  | 320 |  | 50 |  | 1 |  | 61 | 9 | 817 | 555 |  | 2,910 |  | 0 |  | 5,054 |
| HI | 0 | 223 |  | 0 | 12 | 217 | 2,843 |  | 0 |  | 51 |  | 877 |  | 37 | 420 | 665 | 2,623 |  | 102 |  | 0 |  | 8,070 |
| IA | 181 | 362 |  | 81 | 56 | 36 | 867 |  | 100 |  | 183 |  | 18 |  | 507 | 8 | 55 | 873 |  | 138 |  | 0 |  | 3,465 |
| ID | 86 | 763 |  | 71 | 143 | 26 | 2,148 |  | 55 |  | 319 |  | 1 |  | 235 | 25 | 198 | 1,021 |  | 88 |  | 0 |  | 5,179 |
| IL | 23 | 3,869 |  | 344 | 177 | 57 | 16 |  | 0 |  | 522 |  | 14 |  | 129 | 27 | 237 | 2,072 |  | 230 |  | 0 |  | 7,717 |
| IN | 243 | 1,449 |  | 105 | 19 | 65 | 2,553 |  | 95 |  | 504 |  | 3 |  | 413 | 10 | 484 | 1,427 |  | 141 |  | 0 |  | 7,511 |
| KS | 45 | 910 |  | 137 | 24 | 18 | 2,454 |  | 55 |  | 326 |  | 0 |  | 76 | 17 | 162 | 890 |  | 82 |  | 0 |  | 5,196 |
| KY | 1,135 | 763 |  | 6 | 6 | 9 | 2,844 |  | 30 |  | 805 |  | 2 |  | 407 | 0 | 766 | 1,557 |  | 100 |  | 0 |  | 8,430 |
| LA | 73 | 1,676 |  | 255 | 24 | 25 | 1,567 |  | 126 |  | 566 |  | 224 |  | 191 | 27 | 410 | 1,257 |  | 199 |  | 0 |  | 6,620 |
| MA | 399 | 3,520 |  | 513 | 507 | 129 | 4,615 |  | 437 |  | 910 |  | 102 |  | 399 | 124 | 954 | 4,271 |  | 639 |  | 0 |  | 17,519 |
| MD | 225 | 2,090 |  | 370 | 199 | 45 | 2,700 |  | 393 |  | 742 |  | 249 |  | 326 | 303 | 821 | 2,818 |  | 454 |  | 0 |  | 11,735 |
| ME | 93 | 433 |  | 57 | 7 | 30 | 638 |  | 62 |  | 181 |  | 11 |  | 68 | 29 | 123 | 722 |  | 121 |  | 0 |  | 2,575 |
| MI | 21 | 1,989 |  | 557 | 91 | 63 | 623 |  | 0 |  | 578 |  | 75 |  | 399 | 69 | 159 | 1,280 |  | 184 |  | 0 |  | 6,088 |
| MN | 17 | 346 |  | 129 | 66 | 28 | 1,067 |  | 206 |  | 48 |  | 2 |  | 355 | 103 | 63 | 807 |  | 83 |  | 0 |  | 3,320 |
| MO | 6 | 459 |  | 171 | 26 | 14 | 929 |  | 299 |  | 141 |  | 2 |  | 475 | 11 | 64 | 923 |  | 112 |  | 0 |  | 3,632 |
| MS | 112 | 831 |  | 154 | 20 | 19 | 1,435 |  | 177 |  | 254 |  | 4 |  | 250 | 28 | 306 | 843 |  | 67 |  | 1 |  | 4,501 |
| MT | 67 | 444 |  | 70 | 8 | 38 | 926 |  | 133 |  | 134 |  | 29 |  | 168 | 13 | 389 | 910 |  | 260 |  | 0 |  | 3,589 |
| NC | 300 | 1,817 |  | 148 | 67 | 33 | 2,431 |  | 57 |  | 1,122 |  | 15 |  | 603 | 86 | 641 | 1,709 |  | 49 |  | 0 |  | 9,078 |
| ND | 59 | 406 |  | 34 | 6 | 16 | 951 |  | 29 |  | 130 |  | 0 |  | 107 | 4 | 94 | 476 |  | 31 |  | 0 |  | 2,343 |
| NE | 13 | 1,157 |  | 165 | 5 | 4 | 1,000 |  | 33 |  | 452 |  | 5 |  | 27 | 15 | 132 | 721 |  | 53 |  | 0 |  | 3,782 |
| NH | 221 | 1,753 |  | 204 | 82 | 50 | 2,735 |  | 238 |  | 602 |  | 46 |  | 285 | 55 | 373 | 2,059 |  | 317 |  | 0 |  | 9,020 |
| NJ | 634 | 9,379 |  | 1,628 | 924 | 166 | 5,936 |  | 602 |  | 3,667 |  | 772 |  | 472 | 289 | 2,649 | 9,869 |  | 1,190 |  | 0 |  | 38,177 |
| NM | 82 | 659 |  | 103 | 7 | 33 | 1,532 |  | 189 |  | 183 |  | 61 |  | 725 | 300 | 137 | 1,311 |  | 143 |  | 0 |  | 5,465 |
| NV | 17 | 230 |  | 78 | 28 | 21 | 1,564 |  | 414 |  | 72 |  | 0 |  | 420 | 7 | 212 | 900 |  | 62 |  | 0 |  | 4,025 |
| NY | 515 | 2,099 |  | 292 | 410 | 89 | 4,348 |  | 274 |  | 935 |  | 4 |  | 919 | 19 | 509 | 2,995 |  | 280 |  | 0 |  | 13,688 |
| OH | 78 | 1,807 |  | 348 | 77 | 53 | 1,811 |  | 151 |  | 652 |  | 205 |  | 199 | 91 | 708 | 1,326 |  | 331 |  | 0 |  | 7,837 |

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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| State | 305 | 310 |  | 315 | 320 | 325 | 330 |  | 332 |  | 335 |  | 340 |  | 345 | 350 | 355 | 360 |  | 365 |  | 370 |  | Total  Unknow | n |
| OK | 75 | 655 |  | 166 | 4 | 4 | 1,563 |  | 236 |  | 127 |  | 10 |  | 487 | 368 | 154 | 1,427 |  | 164 |  | 0 |  | 5,440 |
| OR  PA | 144  228 | 1,068  998 |  | 89  91 | 46  88 | 44  39 | 1,609  2,501 |  | 51  93 |  | 443  363 |  | 7  2 |  | 226  393 | 9  15 | 234  230 | 1,027  1,586 |  | 134  172 |  | 0  0 |  | 5,131  6,799 |
| PR | 34 | 62 |  | 21 | 3 | 9 | 33 |  | 31 |  | 46 |  | 2 |  | 102 | 4 | 77 | 553 |  | 1 |  | 0 |  | 978 |
| RI | 161 | 1,557 |  | 236 | 138 | 58 | 1,858 |  | 163 |  | 446 |  | 9 |  | 151 | 29 | 428 | 1,402 |  | 284 |  | 0 |  | 6,920 |  |
| SC | 417 | 1,978 |  | 167 | 162 | 97 | 3,990 |  | 138 |  | 667 |  | 8 |  | 678 | 11 | 598 | 1,860 |  | 199 |  | 0 |  | 10,970 |  |
| SD  TN | 104  15 | 835  686 |  | 83  29 | 11  37 | 12  43 | 952  2,043 |  | 6  2 |  | 437  110 |  | 548  9 |  | 56  364 | 30  117 | 322  76 | 807  792 |  | 33  80 |  | 0  151 |  | 4,236  4,554 |  |
| TX | 445 | 2,455 |  | 216 | 118 | 67 | 4,488 |  | 191 |  | 928 |  | 8 |  | 585 | 21 | 698 | 2,599 |  | 250 |  | 0 |  | 13,069 |  |
| UT | 5 | 253 |  | 45 | 16 | 5 | 477 |  | 31 |  | 129 |  | 1 |  | 242 | 3 | 89 | 752 |  | 56 |  | 1 |  | 2,105 |  |
| VA | 345 | 1,215 |  | 306 | 110 | 38 | 1,705 |  | 126 |  | 652 |  | 3 |  | 400 | 3 | 176 | 1,565 |  | 230 |  | 0 |  | 6,874 |  |
| VI  VT | 101  202 | 196  744 |  | 51  76 | 37  20 | 9  26 | 358  1,314 |  | 49  80 |  | 160  455 |  | 1  0 |  | 158  324 | 8  9 | 178  168 | 772  1,138 |  | 62  51 |  | 0  0 |  | 2,140  4,607 |  |
| WA | 798 | 6,131 |  | 3,301 | 465 | 206 | 6,270 |  | 860 |  | 2,394 |  | 29 |  | 2,760 | 81 | 1,710 | 4,787 |  | 218 |  | 0 |  | 30,010 |  |
| WI | 11 | 432 |  | 57 | 29 | 16 | 1,202 |  | 86 |  | 229 |  | 29 |  | 227 | 0 | 100 | 739 |  | 75 |  | 0 |  | 3,232 |  |
| WV | 33 | 337 |  | 55 | 0 | 9 | 745 |  | 50 |  | 100 |  | 10 |  | 164 | 21 | 83 | 547 |  | 53 |  | 1 |  | 2,208 |  |

 WY 89 605 46 30 23 1,072 30 272 3 194 6 147 892 52 0 3,461

Cumulative 10,311 78,278 14,528 6,504 2,435 98,256 8,418 29,151 4,717 19,370 4,168 22,824 86,983 12,411 167 398,521

Median 88 873 133 47 31 1,484 98 424 10 268 22 232 1,215 136 0 5,318

2003 Summary Data Quality Report 8

Table 3. Summary of 2003 BRFSS Final Disposition Codes and Rules

|  |  |  |  |
| --- | --- | --- | --- |
| Code | Description | Definition | Callback Rules |
| 100 Interview | | | |
| 110 | Complete | Selected respondent meets the criteria for a 120 and has completed the interview  through the last question. | Give final disposition upon completion of interview. |
| 120 | Partial  Complete | Sex and three or more questions from age, race, ethnicity, marital status,  education, employment status, county, and existence of more than one  telephone number have been answered  with a response other than ‘Don’t know/Not sure’ or ‘Refused’. | Make a second attempt to fully complete the interview after first refusal or termination. Give  final disposition on the second attempt if interview is not completed or, on the fifteenth  or subsequent attempt, even if there is only  one occurrence of a refusal or termination. |
| 200 Non-Interview, Household with Eligible Respondent | | | |
| 210 | Termination  within  Questionnaire | A hang-up or other termination after the  first question in the core has been asked and it or a subsequent question has received a response other than ‘Don’t know/Not sure’ or ‘Refused’. The selected respondent has not answered enough questions for the interview to qualify as a  120. | Give final disposition after second refusal or  termination or when a first-time refusal or termination will not be called a second time because of an irate respondent. On the fifteenth or later attempt, give final disposition after a single refusal or termination. |
| 220 | Refusal after  Respondent  Selection | A termination after respondent selection but before respondent has given a  response other than Don’t know/Not sure or Refused to one or more questions in  the core. The refusals can come from any  adult in the household and the initial refusal could have come before respondent selection. | Give final disposition after second refusal or when a first-time refusal will not be called a  second time because of an irate respondent. On the fifteenth or subsequent call attempt,  give final disposition even if there is only one  occurrence of a refusal. |
| 230 | Selected  Respondent Not Reached during Interview Period | Selected respondent was never spoken  to or was spoken to and asked to be called again later one or more times. Includes instances where the selected respondent was away from residence for part of the interviewing period. | Give final disposition only after at least 5  calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 attempts, and the 15 or more call attempts consist of at least 3 weekday, 3 weeknight, and 3 weekend calls. |
| 240 | Selected  Respondent Away during Entire Interview Period | Selected respondent is expected to be  away from residence during the entire interviewing period, for example, because of travel or a hospital stay. | Give final disposition when informed of  absence. |
| 250 | Language  Problem after Respondent Selection | After respondent selection, the selected  or another respondent does not speak English or another language for which an interviewer and translated questionnaire are available well enough to be interviewed. | Give final disposition the first time a selected  respondent is contacted who does not adequately speak a language for which an interviewer and questionnaire are available or the second time such a respondent who cannot answer the screening questions is contacted. |
| 260 | Selected  Respondent Unable to Complete an Interview | The selected respondent has a physical  or mental condition that prevents the completion of an interview and that condition is expected to last through the entire interviewing period. This includes a | Give final disposition (1) the first time a  selected respondent is contacted or is described by someone else as unable to complete an interview during the interviewing period or (2) the second time a respondent |

Code Description Definition Callback Rules

270 Termination after Number of Adults Recorded

280 Household Contact after Number of Adults Recorded

temporary condition that will last beyond the interviewing period.

Respondent hangs up or terminates call attempt after answering the number of adults question but *before* answering the number of men and number of women questions. This differs from 280 in that the respondent explicitly refuses. Respondent answers the number of adults question and asks to be called again later *but* the number of men and number of women is never determined. On the surface, this is a postponement that was never re-started but may be an implicit refusal.

who is physically or mentally impaired is contacted.

Give final disposition after second hang-up or termination or when a first-time hang-up or termination will not be called a second time because of an irate respondent.

Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the

15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.

300 Non-Interview, Eligibility Undetermined

305 Household Members Away from Residence

310 Termination, Housing Unit, Unknown if Eligible

315 Household Contact, Eligibility Undetermined

320 Language Problem before Respondent Selection

325 Impairment before Respondent Selection

330 Termination, Unknown if Household

A house sitter, house cleaner, or other non-member of a household states that all of the household members will be

away from the residence during the *entire*

interviewing period.

A respondent hangs-up or terminates a call attempt before answering the number of adults question. This differs from 315 in that the respondent explicitly refuses.

A respondent verified that the number reaches a private residence and asked to be called again later but the number of adults in the household was never determined. On the surface, this is a postponement that was never re-started but may be an implicit refusal.

A respondent who does not speak English or another language for which an interviewer and translated questionnaire are available well enough to answer the screening questions answers the telephone twice before selection.

A respondent whose physical or mental impairment prevents him or her from completing the screening questions answers the phone twice before respondent selection.

A respondent hangs-up or terminates a call attempt before confirming that the telephone number rings to a private residence.

Give final disposition when informed.

Give final disposition after second hang-up or termination or when a first-time hang-up or termination will not be called a second time because of an irate respondent. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.

Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the

15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.

Give final disposition after second contact with a respondent who does not speak a language for which there is a translated questionnaire

and interviewer available. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.

Give final disposition after second contact with a physically or mentally impaired respondent. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.

Give final disposition after second termination or when a first-time hang-up or termination will not be called a second time because of an

irate respondent. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.

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Code Description Definition Callback Rules

332 Contact, Unknown if Household

335 Answering Device, Message Confirms Household

340 Technological Barrier, Message Confirms Household

345 Answering Device, Unsure If Household

350 Technological Barrier, Unsure if Household

355 Number Has Changed Status from Possible Household to Non-Working

A respondent did not verify that the telephone number reaches a private residence but asked to be called again. On the surface, this is a postponement that was never re-started but may be an implicit refusal. This differs from 330 in that the respondent never explicitly refuses.

One or more call attempts reached an answering machine but no person was ever spoken to. The message confirms that the telephone number reaches a private residence by using the words, “home,” “house,” “family,” “residence,” or a family name.

Call attempts reached a call blocking message, a message asking the caller to identify himself or herself, or other automated message, but no person. A message confirms that the telephone number reaches a private residence.

One or more call attempts reached a telephone answering machine but no person. The message leaves open the possibility that the telephone number is reaching a private residence but it does not explicitly state so.

Attempts reached a call blocking message, a message asking the caller to identify himself or herself, or other automated response, but no person. There is no message or a message does not specify if the number is a private residence.

On the second or subsequent call attempt, a telephone number responds with a message indicating that the telephone number called is a non-working number or has been changed and there is at least one relevant previous interim disposition indicating the number was working.

Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the

15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.

Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the

15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.

Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the

15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3

weekend calls.

Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the

15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.

Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the

15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.

Give final disposition when notified.

360 No Answer Among telephone numbers that no person or device ever answered, half or more of the call attempts resulted in a normal telephone ring that no one answered.

365 Busy Among telephone numbers which no person or device ever answered, more than half of the call attempts resulted in a normal busy signal.

Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the

15 or more call attempts consist of at least 3 weekday, 3 weeknight, and 3 weekend calls. Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least 10 minutes apart) for a minimum total of 15 call attempts, and (b) the

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Code Description Definition Callback Rules

370 On “Never

Call” List

400 Not Eligible

To be assigned to (those few) telephone numbers that the BRFSS State Coordinator has determined, before calling begins, should not be called.

15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls. If possible, contact the telephone company repair service to verify the number is in service.

This disposition should never be assigned to a telephone number with one or more call attempts.

405 Out-of-state The telephone number rings out-of-state. Give final disposition when informed. This code should take priority over other possible final disposition codes.

410 Household, No Eligible Respondent

No one 18 years of age or older uses the telephone. To be assigned when no one in the household is 18 years of age or older or the telephone number is used by a teen under the age of 18 and the parents do not use that phone.

Give final disposition when informed.

420 Not a Household The person answering the phone or an answering machine identifies the telephone number as a business, a group quarters, a vacant or seasonally vacant housing unit, a pager, a mobile phone, or a dedicated fax/data line.

Give final disposition when informed.

430 Dedicated Fax/data Line with No Human Contact

A telephone number used only as a fax, data, or modem line.

Give final disposition only after at least 2 calling occasions for a minimum of 6 attempts with at least one relevant interim disposition code.

440 Fast Busy A telephone number with at least one interim disposition of “Fast Busy” and all other interim dispositions are “No Answer,” “Busy,” “Possible Non-working Number,” or “Circuit Busy.”

Give final disposition only after at least 2 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 6 call attempts with at least one relevant interim disposition code.

450 Non-working/ Disconnected Number

Usually recognized by a tritone, a recording, a number that consistently

rings to an incorrect number, or a number that cannot be verified by a respondent. This code also includes numbers that are

pre-identified as non-working numbers by

GENESYS.

Give final disposition when the criteria are met. If 15 call attempts are required, give final disposition only after at least 5 calling occasions for a minimum total of 15 call attempts, and the 15 or more call attempts consist of at least 3 weekday calls, 3

weeknight calls, and 3 weekend calls.

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**State COIN TERE KNHH LIHH AMUR INHH NCUS BUNR NOSN Elig HH Total**

**Eligible**

**EUHH**

**Total Un- known**

**Total In- eligible**

**HH TOTAL**

AK 2,687 648 932 755 373 30 1,097 1,830 11,442 1,153 3,818 1,577 2,674 13,302 5,052 19,794

AL 3,411 1,188 3,204 1,342 310 21 693 2,199 5,983 1,757 5,096 4,359 5,052 8,203 9,166 18,351

AR 4,285 1,434 2,307 2,185 217 18 1,008 2,272 10,124 2,647 6,852 3,576 4,584 12,414 10,229 23,850

AZ 3,254 818 2,705 1,497 4 35 1,107 2,291 7,489 1,331 4,566 3,712 4,819 9,815 8,309 19,200

CA 4,515 2,026 6,020 2,042 1,685 44 2,652 4,554 11,406 3,576 8,051 8,237 10,889 16,004 14,647 34,944



CO 4,101 876 1,453 1,580 639 32 1,369 4,164 10,536 1,615 5,681 2,968 4,337 14,732 8,042 24,750

CT 5,355 2,571 5,481 5,443 676 94 3,128 5,499 12,403 4,013 9,330 10,196 13,324 17,996 18,944 40,650

DC 2,070 907 2,006 2,039 297 16 3,307 4,167 9,741 1,470 3,512 3,807 7,114 13,924 7,038 24,550

DE 4,054 949 4,257 1,137 0 67 1,477 2,690 5,169 1,927 5,969 4,428 5,905 7,926 10,464 19,800

FL 5,094 2,140 7,623 2,759 7 64 1,717 4,203 13,543 3,440 8,478 9,145 10,862 17,810 17,680 37,150



GA 7,767 3,050 6,142 5,486 742 80 1,899 6,454 21,479 4,824 12,475 10,712 12,611 28,013 22,525 53,099

GU 816 237 508 1,338 70 4 3,465 1,461 4,251 573 1,380 1,589 5,054 5,716 2,903 12,150

HI 4,352 914 1,400 4,614 457 28 2,725 4,951 19,347 2,053 6,392 5,345 8,070 24,326 11,308 38,788

IA 5,007 974 2,032 1,132 515 5 1,011 2,059 11,313 2,203 7,206 2,454 3,465 13,377 9,150 24,048

ID 5,056 1,388 2,218 2,571 260 14 1,109 2,963 12,321 2,424 7,423 4,070 5,179 15,298 11,247 27,900



IL 5,302 1,990 5,774 501 156 29 2,302 2,690 3,338 3,041 8,308 5,415 7,717 6,057 13,596 22,082

IN 5,561 1,812 4,052 3,219 423 24 1,568 3,849 13,492 3,643 9,124 5,943 7,511 17,365 14,668 34,000

KS 4,642 1,360 1,892 2,713 93 14 972 3,460 10,054 1,859 6,476 4,224 5,196 13,528 10,621 25,200

KY 7,635 1,471 3,740 3,657 407 53 1,657 4,675 19,886 2,504 10,137 6,773 8,430 24,614 16,556 43,181

LA 5,160 2,162 3,730 2,376 218 66 1,456 3,147 13,585 3,400 8,482 5,164 6,620 16,798 13,494 31,900



MA 7,663 4,306 7,397 6,744 523 89 4,910 7,595 15,873 6,444 14,024 12,609 17,519 23,557 26,199 55,100

MD 4,468 2,177 4,579 4,407 629 61 3,272 4,439 10,668 3,362 7,797 8,463 11,735 15,168 15,692 34,700

ME 2,402 822 1,113 871 97 12 843 1,303 4,587 1,181 3,573 1,732 2,575 5,902 5,220 12,050

MI 3,567 953 4,029 1,011 468 16 1,464 3,954 8,788 1,853 5,404 4,624 6,088 12,758 9,576 24,250

MN 3,888 585 1,488 1,432 458 22 890 1,100 9,887 1,538 5,421 2,430 3,320 11,009 7,415 19,750



MO 4,310 908 1,531 1,334 486 24 1,035 2,204 8,418 1,720 5,972 2,597 3,632 10,646 8,107 20,250

MS 4,488 1,424 2,285 1,962 278 39 910 2,516 7,698 2,424 6,846 3,591 4,501 10,253 10,198 21,600

MT 4,040 1,162 1,290 1,523 181 24 1,170 2,071 11,289 1,753 5,777 2,419 3,589 13,384 8,039 22,750

NC 9,511 2,063 5,167 3,244 689 32 1,758 4,930 16,506 3,899 13,354 7,320 9,078 21,468 20,017 43,900

ND 3,070 777 1,312 1,096 111 11 507 1,509 7,607 1,504 4,530 1,836 2,343 9,127 6,266 16,000



NE 5,005 1,170 2,263 1,179 42 25 774 2,710 12,032 1,672 6,651 3,008 3,782 14,767 9,642 25,200

NH 5,062 1,876 3,569 3,524 340 30 2,376 3,762 9,311 2,685 7,727 6,644 9,020 13,103 14,061 29,850

**State COIN TERE KNHH LIHH AMUR INHH NCUS BUNR NOSN Elig HH Total**

**Eligible**

**EUHH**

**Total Un- known**

**Total In- eligible**

**HH TOTAL**

NJ 11,425 6,527 19,124 11,049 761 425 11,059 14,839 33,091 10,463 21,768 27,118 38,177 48,355 48,550 108,300

NM 5,519 1,503 2,136 1,959 1,025 35 1,454 2,837 12,831 2,637 8,131 4,011 5,465 15,703 11,152 29,299

NV 2,973 531 787 2,239 427 61 962 1,676 5,394 921 3,894 3,063 4,025 7,131 6,591 15,050



NY 5,698 2,167 6,446 5,634 938 29 3,275 6,521 16,242 4,926 10,470 10,413 13,688 22,792 19,974 46,950

OH 3,875 2,207 3,872 3,005 290 37 1,657 3,048 11,309 3,245 7,069 6,180 7,837 14,394 12,996 29,300

OK 7,655 1,325 2,605 1,971 855 55 1,591 3,446 14,096 2,929 10,562 3,849 5,440 17,597 13,611 33,599

OR 4,056 1,190 2,784 1,991 235 17 1,161 2,864 9,502 2,270 6,286 3,970 5,131 12,383 10,038 23,800

PA 3,735 1,156 2,921 2,953 408 27 1,758 3,316 7,926 2,461 6,132 5,041 6,799 11,269 10,792 24,200



PR 4,172 231 669 155 106 8 554 2,066 8,389 743 4,909 424 978 10,463 5,235 16,350

RI 4,086 1,867 3,303 2,654 180 42 1,686 3,112 7,370 2,803 6,856 5,234 6,920 10,524 11,952 24,300

SC 6,104 2,357 5,806 4,993 689 43 2,059 4,755 15,794 5,112 11,038 8,911 10,970 20,592 19,303 42,600

SD 5,285 1,260 2,037 1,851 86 15 840 2,847 15,179 1,861 7,123 3,396 4,236 18,041 10,448 29,400

TN 2,593 383 919 2,361 481 33 872 865 6,232 466 3,055 3,682 4,554 7,130 6,289 14,739



TX 6,189 2,651 6,744 5,570 606 50 2,849 5,385 21,406 5,505 11,540 10,220 13,069 26,841 21,204 51,450

UT 4,079 734 923 620 245 2 808 1,508 6,829 1,250 5,304 1,297 2,105 8,339 6,358 15,748

VA 5,469 1,685 3,572 2,158 403 10 1,795 2,939 9,691 2,766 8,208 5,079 6,874 12,640 12,894 27,722

VI 2,116 521 1,197 632 166 10 834 2,661 9,413 1,274 3,326 1,306 2,140 12,084 4,476 17,550

VT 4,302 1,003 2,541 1,608 333 15 1,189 2,765 9,344 2,119 6,369 3,418 4,607 12,124 9,469 23,100



WA 18,814 7,714 20,877 9,540 2,841 114 5,005 14,398 61,747 16,137 34,781 25,005 30,010 76,259 57,059 141,050

WI 4,113 1,283 1,108 1,462 227 11 814 1,680 7,071 1,721 5,775 2,418 3,232 8,762 7,977 17,769

WV 3,366 643 980 898 185 12 600 1,078 3,038 1,115 4,464 1,608 2,208 4,128 5,899 10,800

WY 4,046 925 1,901 1,305 200 15 944 2,402 9,462 1,856 5,860 2,517 3,461 11,879 8,192 21,200

Cumu-

lative 267,269 87,000 196,751 143,321 23,538 2,189 99,394 194,679 650,922 154,068 418,752 299,127 398,521 847,790 696,530 1,665,063

Median 4,331 1,271 2,573 2,015 337 29 1,455 2,902 10,089 2,237 6,749 4,041 5,318 13,340 10,456 24,425

2003 Summary Data Quality Report 14

**State**

**% LIHH**

**% HH TOTAL**

**e wn eligible**

|  |  |  |
| --- | --- | --- |
| **%** | **%** | **%** |
| **COIN** | **TERE** | **KNHH** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | **%** |  | **%** | **%** |
| **%** | **%** | **%** | **%** | **%** | **% Elig** | **Total** | **%** | **Total** | **Total** |
| **AMUR** | **INHH** | **NCUS** | **BUNR** | **NOSN** | **HH** | **Eligibl** | **EUHH** | **Unkno** | **In-** |

AK 13.57% 3.28% 4.71% 3.81% 1.88% 0.15% 5.54% 9.25% 57.81% 5.82% 19.29% 7.97% 13.51% 67.20% 25.52% 19,794

AL 18.59% 6.47% 17.46% 7.31% 1.69% 0.11% 3.78% 11.98% 32.60% 9.57% 27.77% 23.75% 27.53% 44.70% 49.95% 18,351

AR 17.97% 6.01% 9.67% 9.16% 0.91% 0.08% 4.23% 9.53% 42.45% 11.10% 28.73% 14.99% 19.22% 52.05% 42.89% 23,850

AZ 16.95% 4.26% 14.09% 7.80% 0.02% 0.18% 5.77% 11.93% 39.01% 6.93% 23.78% 19.33% 25.10% 51.12% 43.28% 19,200

CA 12.92% 5.80% 17.23% 5.84% 4.82% 0.13% 7.59% 13.03% 32.64% 10.23% 23.04% 23.57% 31.16% 45.80% 41.92% 34,944



CO 16.57% 3.54% 5.87% 6.38% 2.58% 0.13% 5.53% 16.82% 42.57% 6.53% 22.95% 11.99% 17.52% 59.52% 32.49% 24,750

CT 13.17% 6.32% 13.48% 13.39% 1.66% 0.23% 7.69% 13.53% 30.51% 9.87% 22.95% 25.08% 32.78% 44.27% 46.60% 40,650

DC 8.43% 3.70% 8.17% 8.31% 1.21% 0.07% 13.47% 16.97% 39.68% 5.99% 14.31% 15.51% 28.98% 56.72% 28.67% 24,550

DE 20.48% 4.79% 21.50% 5.74% 0.00% 0.34% 7.46% 13.59% 26.11% 9.73% 30.15% 22.36% 29.82% 40.03% 52.85% 19,800

FL 13.71% 5.76% 20.52% 7.43% 0.02% 0.17% 4.62% 11.31% 36.45% 9.26% 22.82% 24.62% 29.24% 47.94% 47.59% 37,150



GA 14.63% 5.74% 11.57% 10.33% 1.40% 0.15% 3.58% 12.15% 40.45% 9.08% 23.49% 20.17% 23.75% 52.76% 42.42% 53,099

GU 6.72% 1.95% 4.18% 11.01% 0.58% 0.03% 28.52% 12.02% 34.99% 4.72% 11.36% 13.08% 41.60% 47.05% 23.89% 12,150

HI 11.22% 2.36% 3.61% 11.90% 1.18% 0.07% 7.03% 12.76% 49.88% 5.29% 16.48% 13.78% 19.95% 62.72% 29.15% 38,788

IA 20.82% 4.05% 8.45% 4.71% 2.14% 0.02% 4.20% 8.56% 47.04% 9.16% 29.97% 10.20% 14.41% 55.63% 38.05% 24,048

ID 18.12% 4.98% 7.95% 9.22% 0.93% 0.05% 3.97% 10.62% 44.16% 8.69% 26.61% 14.59% 18.56% 54.83% 40.31% 27,900



IL 24.01% 9.01% 26.15% 2.27% 0.71% 0.13% 10.42% 12.18% 15.12% 13.77% 37.62% 24.52% 34.95% 27.43% 61.57% 22,082

IN 16.36% 5.33% 11.92% 9.47% 1.24% 0.07% 4.61% 11.32% 39.68% 10.71% 26.84% 17.48% 22.09% 51.07% 43.14% 34,000

KS 18.42% 5.40% 7.51% 10.77% 0.37% 0.06% 3.86% 13.73% 39.90% 7.38% 25.70% 16.76% 20.62% 53.68% 42.15% 25,200

KY 17.68% 3.41% 8.66% 8.47% 0.94% 0.12% 3.84% 10.83% 46.05% 5.80% 23.48% 15.69% 19.52% 57.00% 38.34% 43,181

LA 16.18% 6.78% 11.69% 7.45% 0.68% 0.21% 4.56% 9.87% 42.59% 10.66% 26.59% 16.19% 20.75% 52.66% 42.30% 31,900



MA 13.91% 7.82% 13.42% 12.24% 0.95% 0.16% 8.91% 13.78% 28.81% 11.70% 25.45% 22.88% 31.79% 42.75% 47.55% 55,100

MD 12.88% 6.27% 13.20% 12.70% 1.81% 0.18% 9.43% 12.79% 30.74% 9.69% 22.47% 24.39% 33.82% 43.71% 45.22% 34,700

ME 19.93% 6.83% 9.24% 7.23% 0.80% 0.10% 7.00% 10.81% 38.07% 9.80% 29.65% 14.37% 21.37% 48.98% 43.32% 12,050

MI 14.71% 3.93% 16.61% 4.17% 1.93% 0.07% 6.04% 16.31% 36.24% 7.64% 22.28% 19.07% 25.11% 52.61% 39.49% 24,250

MN 19.69% 2.96% 7.53% 7.25% 2.32% 0.11% 4.51% 5.57% 50.06% 7.79% 27.45% 12.30% 16.81% 55.74% 37.54% 19,750



MO 21.28% 4.49% 7.56% 6.59% 2.40% 0.12% 5.11% 10.88% 41.57% 8.49% 29.49% 12.82% 17.94% 52.57% 40.03% 20,250

MS 20.78% 6.59% 10.58% 9.08% 1.29% 0.18% 4.21% 11.65% 35.64% 11.22% 31.69% 16.63% 20.84% 47.47% 47.21% 21,600

MT 17.76% 5.11% 5.67% 6.69% 0.80% 0.11% 5.14% 9.10% 49.62% 7.71% 25.39% 10.63% 15.78% 58.83% 35.34% 22,750

NC 21.67% 4.70% 11.77% 7.39% 1.57% 0.07% 4.00% 11.23% 37.60% 8.88% 30.42% 16.67% 20.68% 48.90% 45.60% 43,900

ND 19.19% 4.86% 8.20% 6.85% 0.69% 0.07% 3.17% 9.43% 47.54% 9.40% 28.31% 11.48% 14.64% 57.04% 39.16% 16,000



NE 19.86% 4.64% 8.98% 4.68% 0.17% 0.10% 3.07% 10.75% 47.75% 6.63% 26.39% 11.94% 15.01% 58.60% 38.26% 25,200

NH 16.96% 6.28% 11.96% 11.81% 1.14% 0.10% 7.96% 12.60% 31.19% 8.99% 25.89% 22.26% 30.22% 43.90% 47.11% 29,850

NJ 10.55% 6.03% 17.66% 10.20% 0.70% 0.39% 10.21% 13.70% 30.55% 9.66% 20.10% 25.04% 35.25% 44.65% 44.83% 108,300

NM 18.84% 5.13% 7.29% 6.69% 3.50% 0.12% 4.96% 9.68% 43.79% 9.00% 27.75% 13.69% 18.65% 53.60% 38.06% 29,299

NV 19.75% 3.53% 5.23% 14.88% 2.84% 0.41% 6.39% 11.14% 35.84% 6.12% 25.87% 20.35% 26.74% 47.38% 43.79% 15,050

**State**

**% LIHH**

**% HH TOTAL**

**e wn eligible**

|  |  |  |
| --- | --- | --- |
| **%** | **%** | **%** |
| **COIN** | **TERE** | **KNHH** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | **%** |  | **%** | **%** |
| **%** | **%** | **%** | **%** | **%** | **% Elig** | **Total** | **%** | **Total** | **Total** |
| **AMUR** | **INHH** | **NCUS** | **BUNR** | **NOSN** | **HH** | **Eligibl** | **EUHH** | **Unkno** | **In-** |

NY 12.14% 4.62% 13.73% 12.00% 2.00% 0.06% 6.98% 13.89% 34.59% 10.49% 22.30% 22.18% 29.15% 48.55% 42.54% 46,950

OH 13.23% 7.53%

13.22%

10.26%

0.99% 0.13%

5.66% 10.40%

38.60% 11.08% 24.13% 21.09% 26.75% 49.13% 44.35% 29,300

OK 22.78%

3.94%

7.75%

5.87%

2.54% 0.16% 4.74%

10.26% 41.95% 8.72% 31.44% 11.46% 16.19% 52.37% 40.51% 33,599

OR 17.04% 5.00% 11.70% 8.37% 0.99% 0.07% 4.88% 12.03% 39.92% 9.54% 26.41% 16.68% 21.56% 52.03% 42.18% 23,800

PA 15.43% 4.78% 12.07% 12.20% 1.69% 0.11% 7.26% 13.70% 32.75% 10.17% 25.34% 20.83% 28.10% 46.57% 44.60% 24,200



PR 25.52% 1.41% 4.09% 0.95% 0.65% 0.05% 3.39% 12.64% 51.31% 4.54% 30.02% 2.59% 5.98% 63.99% 32.02% 16,350

RI 16.81% 7.68% 13.59% 10.92% 0.74% 0.17% 6.94% 12.81% 30.33% 11.53% 28.21% 21.54% 28.48% 43.31% 49.19% 24,300

SC 14.33% 5.53% 13.63% 11.72% 1.62% 0.10% 4.83% 11.16% 37.08% 12.00% 25.91% 20.92% 25.75% 48.34% 45.31% 42,600

SD 17.98% 4.29% 6.93% 6.30% 0.29% 0.05% 2.86% 9.68% 51.63% 6.33% 24.23% 11.55% 14.41% 61.36% 35.54% 29,400

TN 17.59% 2.60% 6.24% 16.02% 3.26% 0.22% 5.92% 5.87% 42.28% 3.16% 20.73% 24.98% 30.90% 48.38% 42.67% 14,739



TX 12.03% 5.15% 13.11% 10.83% 1.18% 0.10% 5.54% 10.47% 41.61% 10.70% 22.43% 19.86% 25.40% 52.17% 41.21% 51,450

UT 25.90% 4.66% 5.86% 3.94% 1.56% 0.01% 5.13% 9.58% 43.36% 7.94% 33.68% 8.24% 13.37% 52.95% 40.37% 15,748

VA 19.73% 6.08% 12.89% 7.78% 1.45% 0.04% 6.48% 10.60% 34.96% 9.98% 29.61% 18.32% 24.80% 45.60% 46.51% 27,722

VI 12.05% 2.97% 6.82% 3.60% 0.95% 0.06% 4.75% 15.16% 53.64% 7.26% 18.95% 7.44% 12.19% 68.85% 25.50% 17,550

VT 18.62% 4.34% 11.00% 6.96% 1.44% 0.06% 5.15% 11.97% 40.45% 9.17% 27.57% 14.80% 19.94% 52.48% 40.99% 23,100



WA 13.34% 5.47% 14.80% 6.76% 2.01% 0.08% 3.55% 10.21% 43.78% 11.44% 24.66% 17.73% 21.28% 54.07% 40.45% 141,050

WI 23.15% 7.22% 6.24% 8.23% 1.28% 0.06% 4.58% 9.45% 39.79% 9.69% 32.50% 13.61% 18.19% 49.31% 44.89% 17,769

WV 31.16% 5.96% 9.07% 8.31% 1.71% 0.11% 5.56% 9.98% 28.13% 10.32% 41.33% 14.89% 20.44% 38.22% 54.62% 10,800

WY 19.08% 4.36% 8.97% 6.16% 0.94% 0.07% 4.45% 11.33% 44.63% 8.75% 27.64% 11.87% 16.33% 56.03% 38.64% 21,200



Cumulative 16.05% 5.23% 11.80% 8.60% 1.41% 0.13% 5.96% 11.68% 39.05% 9.24% 25.22% 17.95% 23.91% 50.87% 41.89% 1,666,725



Median 17.64% 4.99% 10.13% 7.79% 1.23% 0.10% 5.14% 11.32% 39.85% 9.17% 25.90% 16.65% 21.32% 52.04% 42.24% 24,425



Minimum 6.72% 1.41% 3.46% 0.95% 0.00% 0.01% 2.86% 5.57% 15.12% 3.16% 11.36% 2.59% 5.98% 27.43% 23.89% 10,800



Maximum 31.16% 9.01% 26.15% 16.02% 4.82% 0.41% 28.52% 16.97% 57.81% 13.77% 41.33% 25.08% 41.60% 68.85% 61.57% 141,050

**State Name Resolution Rate**

**Screening Completion Rate**

**Interview Completion Rate**

**Cooperation**

**Rate**

**Refusal Rate Overall**

**Response Rate**

**CASRO Response Rate**



|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Alabama | | 87.2% |  | 59.0% |  | 74.2% | 73.1% | 16.9% |  | 38.0% |  | 50.0% |
| Alaska | | 88.8% |  | 78.3% |  | 80.6% | 78.7% | 14.7% |  | 54.3% |  | 62.2% |
| Arizona | | 86.4% |  | 60.3% |  | 79.9% | 77.0% | 13.4% |  | 40.0% |  | 54.0% |
| Arkansas | | 85.7% |  | 71.3% |  | 74.9% | 71.6% | 16.9% |  | 42.7% |  | 52.0% |
| California 81.7% 52.2% 69.0% 60.1% 17.3% 31.5% 39.0% | | | | | | | | | | | | |
| Colorado | | 85.5% |  | 77.5% |  | 82.4% | 80.5% | 12.7% |  | 52.0% |  | 60.2% |
| Connecticut | | 77.3% |  | 59.4% |  | 67.6% | 65.2% | 18.5% |  | 28.8% |  | 38.9% |
| Delaware District of Columbia | | 86.8%  77.0% |  | 54.4%  59.9% |  | 81.0%  69.5% | 79.8%  67.8% | 11.2%  18.3% |  | 39.5%  30.0% |  | 47.9%  42.7% |
| Florida 87.9% 48.9% 70.4% 67.8% 17.9% 29.4% 43.2% | | | | | | | | | | | | |
| Georgia | | 84.7% |  | 64.0% |  | 71.8% | 70.2% | 18.6% |  | 35.2% |  | 48.4% |
| Guam | | 59.9% |  | 67.5% |  | 77.5% | 70.5% | 10.0% |  | 28.7% |  | 35.1% |
| Hawaii | | 79.9% |  | 79.1% |  | 82.7% | 71.1% | 11.3% |  | 39.3% |  | 54.2% |
| Idaho | | 85.9% |  | 74.4% |  | 78.5% | 75.7% | 15.2% |  | 45.9% |  | 56.7% |
| Illinois 86.6% 55.9% 72.7% 71.0% 15.6% 39.8% 41.8% | | | | | | | | | | | | |
| Indiana | | 84.7% |  | 64.6% |  | 75.4% | 73.0% | 15.5% |  | 38.7% |  | 48.7% |
| Iowa | | 88.9% |  | 74.7% |  | 83.7% | 80.1% | 11.6% |  | 55.8% |  | 59.8% |
| Kansas | | 85.0% |  | 76.1% |  | 77.3% | 76.6% | 16.7% |  | 44.6% |  | 57.6% |
| Kentucky | | 86.8% |  | 71.0% |  | 83.8% | 82.6% | 11.7% |  | 47.1% |  | 61.2% |
| Louisiana 87.3% 66.5% 70.5% 68.6% 20.2% 39.0% 49.2% | | | | | | | | | | | | |
| Maine | | 85.0% |  | 74.4% |  | 74.5% | 72.9% | 18.1% |  | 46.9% |  | 53.2% |
| Maryland | | 76.1% |  | 59.4% |  | 67.2% | 65.5% | 18.5% |  | 29.1% |  | 38.3% |
| Massachusetts | | 77.9% |  | 62.0% |  | 64.0% | 61.3% | 20.9% |  | 29.8% |  | 37.7% |
| Michigan | | 87.9% |  | 53.0% |  | 78.9% | 76.2% | 13.2% |  | 38.0% |  | 49.8% |
| Minnesota 85.9% 75.1% 86.9% 83.6% 9.0% 53.5% 59.8% | | | | | | | | | | | | |
|  | Mississippi | 85.4% |  | 72.3% |  | 75.9% | 74.2% | 16.5% |  | 44.9% |  | 53.1% |
|  | Missouri | 85.9% |  | 77.4% |  | 82.6% | 80.9% | 12.5% |  | 54.2% |  | 60.6% |
|  | Montana | 87.4% |  | 80.2% |  | 77.7% | 76.2% | 16.9% |  | 51.3% |  | 59.4% |
|  | Nebraska | 92.1% |  | 73.3% |  | 81.1% | 80.5% | 15.0% |  | 53.0% |  | 64.6% |
|  | Nevada | 75.9% |  | 81.9% |  | 84.8% | 83.2% | 10.0% |  | 46.0% |  | 56.4% |
|  | New  Hampshire | 79.1% |  | 66.1% |  | 73.0% | 71.7% | 16.9% |  | 36.7% |  | 46.0% |
|  | New Jersey | 78.9% |  | 49.0% |  | 63.6% | 60.8% | 19.4% |  | 24.0% |  | 34.4% |
|  | New Mexico | 84.9% |  | 76.8% |  | 78.6% | 76.3% | 15.0% |  | 50.5% |  | 56.4% |

**State Name Resolution Rate**

**Screening Completion Rate**

**Interview Completion Rate**

**Cooperation**

**Rate**

**Refusal Rate Overall**

**Response Rate**

**CASRO Response Rate**



|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New York | 79.0% |  | 55.0% |  | 72.5% | 68.6% | 14.7% |  | 29.1% |  | 39.5% |
| North Carolina 87.0% 69.2% 82.2% 79.4% 12.3% 48.5% 57.1% | | | | | | | | | | | |
| North Dakota | 89.3% |  | 74.6% |  | 79.8% | 78.1% | 14.6% |  | 50.0% |  | 59.3% |
| Ohio | 83.1% |  | 61.2% |  | 63.7% | 62.2% | 22.9% |  | 30.4% |  | 40.6% |
| Oklahoma | 86.9% |  | 77.6% |  | 85.2% | 83.2% | 10.5% |  | 57.4% |  | 61.7% |
| Oregon | 85.8% |  | 65.4% |  | 77.3% | 74.5% | 14.8% |  | 41.2% |  | 51.6% |
| Pennsylvania 78.8% 62.7% 76.4% 73.6% 13.6% 35.3% 44.8% | | | | | | | | | | | |
| Puerto Rico | 95.0% |  | 86.8% |  | 94.8% | 91.9% | 4.4% |  | 81.3% |  | 80.5% |
| Rhode Island | 81.4% |  | 64.5% |  | 68.6% | 66.0% | 19.5% |  | 34.9% |  | 43.1% |
| South Carolina | 81.8% |  | 59.4% |  | 72.1% | 69.0% | 15.9% |  | 32.3% |  | 42.1% |
| South Dakota | 90.6% |  | 76.3% |  | 80.7% | 80.1% | 15.1% |  | 51.6% |  | 64.1% |
| Tennessee 74.8% 76.6% 87.1% 86.9% 8.7% 42.1% 58.9% | | | | | | | | | | | |
| Texas | 82.5% |  | 56.9% |  | 70.0% | 67.4% | 17.1% |  | 29.8% |  | 41.2% |
| Utah | 89.4% |  | 83.9% |  | 84.8% | 83.5% | 12.0% |  | 65.5% |  | 67.3% |
| Vermont | 86.5% |  | 67.7% |  | 81.1% | 78.9% | 12.6% |  | 46.4% |  | 55.1% |
| Virgin Islands | 90.7% |  | 68.9% |  | 80.2% | 76.5% | 13.8% |  | 48.2% |  | 58.5% |
| Virginia 84.3% 66.7% 76.5% 74.0% 15.4% 43.3% 52.0% | | | | | | | | | | | |
| Washington | 87.7% |  | 56.1% |  | 70.9% | 67.7% | 17.5% |  | 33.6% |  | 43.0% |
| West Virginia | 84.4% |  | 80.4% |  | 84.0% | 82.0% | 11.5% |  | 58.2% |  | 60.6% |
| Wisconsin | 85.9% |  | 83.0% |  | 76.2% | 75.0% | 18.2% |  | 52.6% |  | 59.4% |
| Wyoming 88.4% 72.4% 81.4% 79.4% 13.2% 50.4% 59.0% | | | | | | | | | | | |
| Maximum | 95.0% |  | 86.8% |  | 94.8% | 91.9% | 22.9% |  | 81.3% |  | 80.5% |
| Median | 85.7% |  | 68.3% |  | 77.4% | 74.8% | 15.1% |  | 42.4% |  | 53.2% |

Minimum 59.9% 48.9% 63.6% 60.1% 4.4% 24.0% 34.4%

Kentucky 62.93% 51.83% 11.10% Georgia 62.21% 51.37% 10.84% Louisiana 62.95% 52.42% 10.54% Tennessee 62.36% 52.04% 10.32% Alabama 62.81% 52.60% 10.21% Hawaii 60.26% 50.14% 10.13% Mississippi 62.41% 52.49% 9.93% Arizona 60.43% 50.58% 9.85% Texas 60.66% 50.89% 9.78% Idaho 59.59% 50.21% 9.38% Arkansas 61.10% 51.92% 9.18% North Carolina 60.42% 51.63% 8.78% South Carolina 60.56% 52.21% 8.35% Washington 58.95% 50.69% 8.26% Oklahoma 59.58% 51.56% 8.02% Virginia 59.48% 51.59% 7.89% Kansas 59.07% 51.21% 7.86% Illinois 59.58% 51.73% 7.85% Wyoming 57.82% 50.03% 7.79% Nebraska 58.87% 51.33% 7.53% Guam 56.44% 49.23% 7.21% Maine 59.15% 52.08% 7.07% Ohio 59.24% 52.26% 6.98% Colorado 56.82% 49.95% 6.87% Alaska 54.90% 48.11% 6.80% Rhode Island 59.62% 52.92% 6.70% Virgin Islands 61.35% 54.75% 6.61% Indiana 58.18% 51.60% 6.58% California 57.24% 50.67% 6.57% Delaware 58.81% 52.30% 6.51% Oregon 57.36% 50.89% 6.47% New York 59.10% 52.65% 6.45% West Virginia 58.52% 52.10% 6.42% New Hampshire 57.89% 51.50% 6.39% Michigan 58.01% 51.65% 6.37% New Mexico 57.73% 51.44% 6.30% Puerto Rico 59.27% 53.06% 6.21% New Jersey 58.48% 52.30% 6.19% Wisconsin 57.37% 51.21% 6.16% Pennsylvania 58.73% 52.59% 6.15% Massachusetts 58.89% 52.75% 6.14% Iowa 57.64% 51.70% 5.94% Maryland 58.48% 52.63% 5.85% North Dakota 56.42% 50.61% 5.81% Vermont 57.42% 51.66% 5.76% Florida 57.49% 51.98% 5.51% Montana 55.94% 50.63% 5.31%



Connecticut 57.78% 52.51% 5.27% South Dakota 56.21% 51.02% 5.19% Minnesota 56.18% 51.06% 5.12% Missouri 56.79% 52.20% 4.59% District of Columbia 57.76% 53.55% 4.21% Utah 53.56% 50.25% 3.31% Nevada 51.03% 49.40% 1.63% Median 58.77% 51.64% 6.60% Mean 58.66% 51.55% 7.12% Standard Deviation 2.27% 1.13% 1.94%



Range 11.92% 6.64% 9.47%

Table 8. Percentage of White Non-Hispanic People in BRFSS and Population Data by State, 2003\*

State BRFSS Percent Population Percent Difference District of Columbia 46.01% 31.90% 14.12%

Maryland 71.62% 63.22% 8.40%

California 57.89% 49.76% 8.13% Hawaii 32.57% 25.12% 7.45% South Carolina 75.01% 68.43% 6.58% New York 69.20% 63.28% 5.92% New Jersey 72.62% 67.13% 5.49% Arizona 72.77% 68.34% 4.43% Tennessee 85.12% 80.90% 4.22% Connecticut 83.38% 79.27% 4.11% New Mexico 52.50% 48.60% 3.90% Florida 71.30% 67.47% 3.82% Michigan 84.17% 80.48% 3.69% Illinois 73.56% 70.04% 3.52% Louisiana 68.43% 64.97% 3.46% Delaware 77.90% 74.45% 3.46% Georgia 67.58% 64.46% 3.12% Minnesota 92.34% 89.79% 2.55% Kansas 87.10% 84.70% 2.40% Texas 57.72% 55.48% 2.24% Wisconsin 91.47% 89.25% 2.22% South Dakota 92.43% 90.23% 2.21% Arkansas 82.76% 80.57% 2.19% Pennsylvania 87.34% 85.43% 1.91% Massachusetts 85.08% 83.17% 1.91% Washington 82.63% 80.85% 1.78% Kentucky 91.45% 89.92% 1.53% Iowa 95.01% 93.56% 1.45% Virginia 72.73% 71.39% 1.34% Oklahoma 78.07% 76.78% 1.28% Nebraska 89.94% 88.71% 1.23% Idaho 90.74% 89.54% 1.21% Rhode Island 84.72% 83.83% 0.90% Colorado 77.66% 77.04% 0.62% Mississippi 64.17% 63.71% 0.47% Alabama 72.62% 72.23% 0.39% Wyoming 90.59% 90.22% 0.38% Ohio 85.70% 85.36% 0.34% Utah 86.35% 86.18% 0.17% Missouri 84.99% 85.11% -0.11% Indiana 86.76% 86.89% -0.13% North Dakota 92.95% 93.10% -0.15% Montana 91.05% 91.21% -0.15% Alaska 70.17% 70.71% -0.54% North Carolina 71.42% 72.06% -0.64%



New Hampshire 94.84% 95.51% -0.67% Maine 95.68% 96.95% -1.27% Oregon 84.04% 85.33% -1.29% Vermont 95.01% 96.41% -1.40% West Virginia 91.80% 94.85% -3.06% Nevada 63.28% 68.04% -4.76% Median 83.38% 80.57% 1.78% Mean 78.87% 76.70% 2.16% Standard Deviation 13.47% 15.43% 3.13%



Range 63.11% 71.83% 18.88%

\*Puerto Rico, Guam, and Virgin Islands are excluded.

Kansas 8.19% 14.38% 6.20% Vermont 7.43% 13.40% 5.97% Kentucky 7.38% 13.16% 5.78% North Dakota 10.10% 15.78% 5.68% Mississippi 9.81% 15.43% 5.61% South Carolina 8.27% 13.76% 5.49% Arizona 7.75% 13.20% 5.45% Virgin Islands 9.55% 14.88% 5.33% South Dakota 9.55% 14.83% 5.28% New Hampshire 6.84% 12.11% 5.27% Rhode Island 8.21% 13.46% 5.25% Wyoming 9.48% 14.62% 5.13% Oklahoma 9.20% 14.32% 5.12% Iowa 9.06% 14.16% 5.11% Montana 8.46% 13.51% 5.05% North Carolina 7.98% 13.01% 5.03% New Mexico 8.98% 13.92% 4.94% Tennessee 7.87% 12.78% 4.91% Arkansas 8.71% 13.40% 4.69% Alabama 9.10% 13.52% 4.42% Wisconsin 9.22% 13.57% 4.34% Louisiana 10.69% 15.00% 4.32% Nebraska 10.02% 14.26% 4.24% Idaho 11.11% 15.32% 4.21% West Virginia 8.20% 12.41% 4.21% District of Columbia 10.40% 14.53% 4.13% New Jersey 6.90% 10.94% 4.04% Maine 7.55% 11.57% 4.02% Georgia 10.04% 13.83% 3.79% Minnesota 9.65% 13.43% 3.78% Virginia 9.08% 12.80% 3.72% Maryland 8.20% 11.84% 3.64% Massachusetts 8.49% 12.10% 3.61% Michigan 9.63% 13.10% 3.47% Texas 11.04% 14.50% 3.46% Connecticut 7.75% 11.14% 3.39% Alaska 10.64% 14.00% 3.36% Missouri 9.97% 13.21% 3.24% Oregon 9.64% 12.79% 3.15% Indiana 10.73% 13.85% 3.11% Colorado 10.10% 13.11% 3.01% Pennsylvania 9.32% 12.25% 2.93% Utah 17.18% 20.11% 2.93% Delaware 10.29% 13.08% 2.79% Ohio 10.11% 12.88% 2.77% Florida 8.61% 11.06% 2.45% Puerto Rico 12.59% 14.85% 2.26%



Guam 14.03% 16.22% 2.20% New York 10.18% 12.35% 2.17% Washington 10.96% 12.94% 1.98% Hawaii 10.66% 12.44% 1.79% Illinois 11.46% 13.17% 1.71% California 12.15% 13.31% 1.16% Nevada 11.36% 11.45% 0.10% Median 9.55% 13.40% 4.03% Mean 9.63% 13.54% 3.91% Standard Deviation 1.77% 1.48% 1.33%



Range 10.35% 9.17% 6.10%

Puerto Rico 12.52% 19.30% 6.78% Georgia 17.24% 19.99% 2.75% Michigan 14.53% 17.08% 2.56% South Dakota 13.41% 15.69% 2.28% Virgin Islands 16.66% 18.83% 2.18% Tennessee 15.81% 17.88% 2.06% Virginia 15.76% 17.76% 2.00% Kentucky 15.59% 17.55% 1.96% Oklahoma 15.12% 16.93% 1.80% Arkansas 15.25% 17.00% 1.75% New Jersey 15.19% 16.95% 1.75% Florida 14.03% 15.62% 1.58% North Dakota 13.83% 15.35% 1.53% West Virginia 14.17% 15.58% 1.41% Vermont 13.13% 14.51% 1.38% Pennsylvania 13.95% 15.32% 1.37% Iowa 14.28% 15.63% 1.35% Missouri 15.34% 16.67% 1.34% Louisiana 16.28% 17.61% 1.33% Colorado 18.04% 19.32% 1.28% Illinois 17.39% 18.59% 1.20% Mississippi 16.56% 17.75% 1.19% Nebraska 15.83% 16.83% 1.00% North Carolina 17.75% 18.63% 0.88% Montana 13.90% 14.76% 0.85% Alabama 16.42% 17.24% 0.82% Ohio 15.82% 16.60% 0.78% Nevada 18.59% 19.34% 0.75% California 19.23% 19.88% 0.65% Wyoming 15.00% 15.64% 0.64% Washington 17.20% 17.78% 0.58% New York 17.34% 17.89% 0.56% Arizona 18.19% 18.71% 0.52% New Hampshire 14.57% 15.05% 0.48% Minnesota 16.47% 16.95% 0.48% South Carolina 17.05% 17.48% 0.43% Oregon 17.21% 17.53% 0.32% Idaho 17.44% 17.71% 0.27% New Mexico 16.74% 17.01% 0.27% Delaware 16.71% 16.85% 0.14% Indiana 17.19% 17.28% 0.10% Maryland 17.03% 17.05% 0.02% Wisconsin 16.18% 16.16% -0.02% Maine 14.72% 14.47% -0.26% Kansas 17.11% 16.72% -0.39% Connecticut 15.97% 15.56% -0.40% Texas 20.45% 19.97% -0.48%



Utah 22.48% 21.98% -0.50% District of Columbia 22.31% 21.73% -0.58% Rhode Island 16.81% 16.07% -0.73% Guam 24.41% 23.65% -0.77% Hawaii 18.17% 17.37% -0.80% Alaska 19.99% 18.41% -1.58% Massachusetts 19.17% 17.15% -2.02% Median 16.51% 17.20% 0.76% Mean 16.62% 17.45% 0.83% Standard Deviation 2.32% 1.83% 1.30%



Range 11.89% 9.18% 8.80%

Virgin Islands 22.34% 20.08% 2.27% Vermont 22.17% 20.03% 2.13% Pennsylvania 21.48% 19.41% 2.07% Wisconsin 22.30% 20.47% 1.83% Montana 20.29% 18.51% 1.78% Iowa 20.33% 18.57% 1.76% Maine 21.94% 20.19% 1.74% Illinois 22.24% 20.55% 1.69% Delaware 22.29% 20.64% 1.65% Rhode Island 21.34% 20.29% 1.05% Tennessee 20.96% 20.00% 0.96% Guam 24.18% 23.35% 0.83% Idaho 20.04% 19.28% 0.76% Minnesota 21.89% 21.17% 0.71% North Dakota 18.78% 18.11% 0.68% Nebraska 19.89% 19.22% 0.67% New Jersey 22.40% 21.74% 0.66% North Carolina 21.01% 20.41% 0.60% Virginia 21.99% 21.41% 0.59% Kansas 20.08% 19.53% 0.56% Puerto Rico 19.20% 18.66% 0.54% Mississippi 19.60% 19.15% 0.46% Massachusetts 21.63% 21.19% 0.44% South Dakota 19.23% 18.83% 0.39% Connecticut 21.52% 21.45% 0.07% District of Columbia 19.19% 19.14% 0.06% New Hampshire 22.15% 22.10% 0.05% Arkansas 18.81% 18.76% 0.05% Louisiana 19.76% 19.78% -0.02% Maryland 22.12% 22.15% -0.03% West Virginia 17.72% 17.75% -0.03% South Carolina 19.61% 19.66% -0.05% Hawaii 19.48% 19.55% -0.07% Oklahoma 18.75% 18.83% -0.08% Oregon 18.86% 18.95% -0.09% Nevada 21.10% 21.21% -0.11% Indiana 19.80% 19.98% -0.18% California 21.24% 21.51% -0.27% Texas 20.89% 21.18% -0.29% Wyoming 18.43% 18.74% -0.31% Missouri 19.48% 19.83% -0.35% Ohio 19.47% 19.82% -0.35% Washington 20.43% 20.80% -0.37% Florida 18.83% 19.20% -0.37% Colorado 21.14% 21.60% -0.46% Alaska 22.88% 23.36% -0.48% New Mexico 18.92% 19.75% -0.82%



Utah 17.81% 18.73% -0.92% Georgia 20.90% 21.85% -0.95% Arizona 18.58% 19.62% -1.03% Michigan 19.31% 20.36% -1.04% New York 19.74% 20.80% -1.06% Kentucky 18.55% 19.92% -1.37% Alabama 17.83% 19.31% -1.48% Median 20.19% 19.95% 0.05% Mean 20.39% 20.12% 0.27% Standard Deviation 1.49% 1.24% 0.93%



Range 6.46% 5.62% 3.75%

Ohio 22.83% 19.38% 3.45% Kansas 22.34% 18.90% 3.44% Mississippi 21.21% 17.94% 3.27% New Hampshire 24.10% 20.89% 3.22% Georgia 21.57% 18.68% 2.89% North Dakota 21.66% 18.77% 2.89% Arkansas 20.68% 17.82% 2.86% Wyoming 23.99% 21.19% 2.80% Montana 23.51% 20.88% 2.64% Wisconsin 21.78% 19.35% 2.43% Virginia 21.85% 19.42% 2.43% Tennessee 21.17% 18.85% 2.32% Iowa 20.90% 18.62% 2.28% Guam 19.40% 17.12% 2.27% Puerto Rico 19.21% 16.95% 2.25% Indiana 21.09% 18.93% 2.15% New Mexico 21.54% 19.40% 2.13% Pennsylvania 21.20% 19.09% 2.12% Vermont 23.12% 21.02% 2.11% Kentucky 20.93% 18.88% 2.06% New York 20.47% 18.51% 1.96% New Jersey 21.08% 19.18% 1.90% South Carolina 20.56% 18.68% 1.88% Connecticut 21.50% 19.67% 1.83% Colorado 22.22% 20.39% 1.83% South Dakota 20.47% 18.68% 1.78% Louisiana 20.43% 18.70% 1.73% Michigan 21.31% 19.59% 1.72% Rhode Island 20.15% 18.66% 1.49% Illinois 20.10% 18.64% 1.45% Maryland 21.43% 19.98% 1.45% Idaho 20.50% 19.05% 1.45% Alabama 20.02% 18.59% 1.43% Hawaii 20.57% 19.18% 1.38% Oklahoma 19.65% 18.28% 1.37% Missouri 19.95% 18.61% 1.34% Nebraska 20.10% 18.76% 1.34% Arizona 18.60% 17.30% 1.30% West Virginia 20.78% 19.51% 1.26% Minnesota 20.70% 19.46% 1.24% Washington 21.32% 20.13% 1.19% Massachusetts 19.97% 18.87% 1.10% Utah 17.64% 16.55% 1.09% California 19.49% 18.52% 0.97% Maine 21.48% 20.51% 0.97% Texas 19.26% 18.42% 0.83% District of Columbia 17.72% 16.91% 0.81%



Delaware 19.14% 18.43% 0.71% Florida 18.09% 17.41% 0.68% North Carolina 19.03% 18.43% 0.60% Oregon 20.51% 20.15% 0.36% Virgin Islands 19.91% 19.57% 0.34% Alaska 23.09% 23.16% -0.08% Nevada 18.54% 18.64% -0.10% Median 20.69% 18.86% 1.73% Mean 20.74% 19.02% 1.72% Standard Deviation 1.44% 1.16% 0.85%



Range 6.46% 6.62% 3.56%

Table 13. Percentage of Adults Aged 55-64 in BRFSS and Population Data by State, 2003

State BRFSS Percent Population Percent Difference Virgin Islands 17.13% 11.86% 5.28%

West Virginia 18.97% 14.27% 4.70%

Kentucky 17.27% 13.32% 3.95% Tennessee 17.43% 13.56% 3.88% Louisiana 16.10% 12.59% 3.51% Alabama 16.90% 13.43% 3.47% Rhode Island 15.80% 12.56% 3.24% Arkansas 16.89% 13.75% 3.15% South Dakota 15.15% 12.07% 3.08% Michigan 15.99% 13.04% 2.95% Florida 16.38% 13.48% 2.90% Georgia 15.16% 12.30% 2.87% South Carolina 16.50% 13.66% 2.84% Maine 16.90% 14.07% 2.82% Oklahoma 16.06% 13.30% 2.75% North Dakota 14.66% 11.99% 2.67% Virginia 15.83% 13.34% 2.50% Puerto Rico 16.32% 13.86% 2.46% Wyoming 15.89% 13.51% 2.39% Arizona 15.09% 12.81% 2.28% New Hampshire 15.76% 13.57% 2.19% Ohio 15.22% 13.08% 2.15% Mississippi 14.66% 12.66% 2.00% Iowa 14.63% 12.64% 2.00% New Mexico 15.19% 13.23% 1.96% Delaware 15.32% 13.36% 1.96% Maryland 15.33% 13.47% 1.86% Oregon 15.26% 13.45% 1.81% Colorado 14.01% 12.27% 1.74% North Carolina 14.83% 13.09% 1.74% Texas 13.42% 11.80% 1.62% Indiana 14.45% 12.87% 1.58% New York 14.54% 13.01% 1.54% Illinois 13.96% 12.44% 1.53% Montana 15.41% 13.89% 1.52% District of Columbia 13.47% 12.02% 1.45% Pennsylvania 14.65% 13.22% 1.42% Washington 14.42% 13.00% 1.42% Vermont 15.29% 13.91% 1.38% Minnesota 13.65% 12.38% 1.28% Idaho 13.87% 12.73% 1.14% Nebraska 13.23% 12.18% 1.06% Massachusetts 13.80% 12.76% 1.04% New Jersey 14.34% 13.31% 1.04% California 12.85% 11.89% 0.96% Missouri 14.00% 13.17% 0.83%



Table 13. Percentage of Adults Aged 55-64 in BRFSS and Population Data by State, 2003

State BRFSS Percent Population Percent Difference Connecticut 14.50% 13.67% 0.83%

Utah 10.93% 10.19% 0.74%

Alaska 12.83% 12.27% 0.56% Wisconsin 13.14% 12.60% 0.54% Kansas 12.67% 12.23% 0.44% Nevada 14.43% 14.03% 0.40% Hawaii 13.23% 13.11% 0.12% Guam 10.02% 10.35% -0.34% Median 14.96% 13.06% 1.83% Mean 14.88% 12.90% 1.98% Standard Deviation 1.58% 0.81% 1.13%



Range 8.96% 4.09% 5.61%

Table 14. Percentage of Adults Aged 65+ in BRFSS and Population Data by State, 2003

State BRFSS Percent Population Percent Difference Puerto Rico 20.07% 16.39% 3.69%

Kentucky 19.74% 17.16% 2.58%

Oklahoma 20.80% 18.33% 2.47% Arizona 20.76% 18.36% 2.40% North Carolina 18.57% 16.43% 2.14% Michigan 18.70% 16.83% 1.87% Missouri 20.27% 18.51% 1.76% Nebraska 20.46% 18.75% 1.71% South Dakota 21.53% 19.89% 1.64% New Mexico 18.27% 16.69% 1.59% Vermont 18.37% 17.13% 1.24% Alaska 9.97% 8.80% 1.18% Utah 13.48% 12.44% 1.04% Minnesota 17.64% 16.61% 1.03% Alabama 18.94% 17.91% 1.03% Georgia 14.18% 13.35% 0.82% Oregon 17.93% 17.13% 0.80% New Jersey 18.52% 17.89% 0.63% Idaho 16.51% 15.91% 0.60% Colorado 13.89% 13.30% 0.59% Kansas 18.80% 18.24% 0.56% Nevada 15.87% 15.32% 0.55% Mississippi 17.55% 17.08% 0.46% South Carolina 17.13% 16.76% 0.37% Wyoming 16.63% 16.31% 0.32% Washington 15.53% 15.35% 0.19% North Dakota 20.19% 20.01% 0.18% Iowa 20.40% 20.38% 0.02% Texas 14.11% 14.12% -0.01% Louisiana 16.28% 16.32% -0.04% California 14.75% 14.90% -0.14% Arkansas 19.08% 19.28% -0.21% Florida 23.01% 23.23% -0.22% Virginia 14.83% 15.27% -0.44% West Virginia 19.90% 20.47% -0.57% Tennessee 16.33% 16.94% -0.61% Montana 17.74% 18.46% -0.71% Indiana 16.33% 17.09% -0.76% New York 16.54% 17.44% -0.90% Hawaii 17.38% 18.35% -0.97% New Hampshire 15.11% 16.29% -1.17% Wisconsin 16.64% 17.86% -1.22% District of Columbia 14.43% 15.67% -1.24% Maryland 14.25% 15.50% -1.26% Connecticut 16.97% 18.51% -1.54% Illinois 14.77% 16.60% -1.83% Guam 7.40% 9.30% -1.91% Virgin Islands 12.72% 14.79% -2.06% Pennsylvania 18.60% 20.71% -2.10% Delaware 15.49% 17.64% -2.15% Rhode Island 16.50% 18.96% -2.45% Massachusetts 15.29% 17.93% -2.64%



Table 14. Percentage of Adults Aged 65+ in BRFSS and Population Data by State, 2003

State BRFSS Percent Population Percent Difference Ohio 15.55% 18.25% -2.69%

Maine 16.38% 19.19% -2.81%



Median 16.81% 17.11% 0.10% Mean 16.98% 16.97% 0.01% Standard Deviation 2.81% 2.50% 1.50%



Range 15.62% 14.43% 6.50%

Table 15. Percentage of Respondents with Income Response "Unknown" (77), "Refused" (99), and Combined, by

State, 2003

State Percent Don't Know/ Not Sure Percent Refused Percent Combined Kentucky 10.39% 16.28% 26.67%

North Carolina 7.72% 15.38% 23.10%

Delaware 5.58% 17.42% 23.01% Hawaii 10.29% 12.18% 22.47% Tennessee 8.77% 13.08% 21.85% New Jersey 5.59% 9.30% 14.89% Kansas 6.86% 7.92% 14.78% Virgin Islands 10.69% 3.84% 14.53% Connecticut 4.93% 9.28% 14.21% Florida 5.49% 8.39% 13.88% Oklahoma 7.11% 6.73% 13.84% Mississippi 9.58% 4.17% 13.75% Nebraska 7.37% 6.36% 13.74% Massachusetts 5.31% 8.40% 13.71% Illinois 6.20% 7.45% 13.65% New York 6.20% 7.43% 13.63% Rhode Island 5.60% 7.98% 13.59% West Virginia 10.09% 3.38% 13.47% Puerto Rico 12.05% 1.33% 13.38% Guam 10.92% 2.43% 13.35% Minnesota 8.48% 4.77% 13.24% Louisiana 8.92% 4.23% 13.15% Nevada 6.45% 6.59% 13.04% Texas 7.52% 5.38% 12.90% Georgia 6.24% 6.26% 12.50% Indiana 5.46% 7.02% 12.48% Pennsylvania 5.31% 7.16% 12.47% New Hampshire 4.91% 7.52% 12.43% South Carolina 5.95% 6.34% 12.30% Maryland 4.15% 8.08% 12.23% Ohio 5.04% 7.16% 12.21% Michigan 6.06% 6.06% 12.12% Arkansas 5.72% 6.28% 12.00% Arizona 5.26% 6.71% 11.97% Maine 5.68% 6.15% 11.83% Washington 5.21% 6.37% 11.58% Virginia 5.68% 5.90% 11.57% Vermont 5.21% 6.28% 11.49% Missouri 4.50% 6.94% 11.45% Idaho 5.33% 6.08% 11.42% Oregon 6.13% 5.18% 11.31% Montana 5.30% 6.01% 11.31% Iowa 4.91% 6.30% 11.21% North Dakota 4.95% 6.00% 10.95% Alabama 5.43% 5.50% 10.93% Wisconsin 3.59% 6.90% 10.48%



Table 15. Percentage of Respondents with Income Response "Unknown" (77), "Refused" (99), and Combined, by

State, 2003

State Percent Don't Know/ Not Sure Percent Refused Percent Combined New Mexico 5.56% 4.92% 10.47%

Colorado 4.47% 5.96% 10.43%

District of Columbia 4.35% 5.87% 10.23% South Dakota 5.50% 4.41% 9.92% Utah 6.12% 3.75% 9.86% Wyoming 4.16% 5.04% 9.20% Alaska 5.34% 3.69% 9.03% California 3.17% 5.00% 8.17% Median 5.60% 6.29% 12.45% Mean 6.35% 6.86% 13.21% Standard Deviation 2.00% 3.05% 3.62%



Range 8.88% 16.10% 18.50%