

**2004**

**Behavioral Risk Factor Surveillance System**

**Summary Data Quality Report**

**June 15, 2005**

2004 Summary Data Quality Report 1

**2004 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 of 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 known eligibility status in the sample (eligible and ineligible). Table 2 presents this distribution for numbers of unknown eligibility.

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. An

interview is considered to be more than fifty percent complete if any question in the Excess Sun Exposure section or a later section has a value other than 7 or 9. These interviews are included in the response

rate numerator but are not used in calculating estimates of risk factors and prevalence estimates.

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| **Categories of Call Outcomes** | | |
| Category | Disposition Code Definition | Format in  Tables/Formulae |
| 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 |
| Non-working Out-of-Scope | 405+430+435+440+450 | NOSN |

1 In this report, “state” includes the District of Columbia, Puerto Rico, and the U.S. Virgin Islands. Summary statistics other than the column totals at the end of each table include the 50 states and DC.

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/Formulae |
| 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 seven 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 in which a respondent was selected and 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 a selected 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 complete and partial interviews in the numerator and an estimate of the number of eligible units in the sample in the denominator. A proportion 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*) + ⎜ ⎟ × *TotalUnknown*

⎢ ( ) ⎥

⎢ ⎥

⎣ ⎝ 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 all likely households are households and that 98 percent of known or probable households contain an adult who uses the phone number.

The Overall Response Rate formula is

⎡ *COIN* ⎤

.⎢ ⎥

⎣ (.98 \* *HH* ) ⎦

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. This formula is

⎡ ⎤

⎢ ⎥

⎢ *TERE* ⎥

⎢ ⎛ 110 + 120 + *EligHH* ⎞ ⎥

(110 + 120 + *EligHH*) + ⎜ ⎟ × *TotalUnknown*

⎢ ( ) ⎥

⎢ ⎥

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

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.

Income Missing Values

Table 15 presents the percent missing (Don’t know/Not sure, 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.

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

Table 1. BRFSS Call Dispositions, Frequency Distribution by State for Numbers of Known Eligibility, 2004

Total

Total

State 110 120 210 220 230 240 250 260 270 280 Eligible 405 410 420 430 435 440 450 Ineligible AL 3,479 116 260 930 171 57 13 80 34 4 5,144 0 55 2,430 266 47 300 6,449 9,547

AK 2,565 91 109 492 203 186 69 45 7 2 3,769 0 21 2,527 583 23 1 11,405 14,560

AZ 4,417 302 178 1,435 329 95 160 60 39 3 7,018 0 42 3,792 883 30 177 11,618 16,542

AR 3,860 227 309 1,004 182 431 33 184 26 4 6,260 1 16 2,247 763 61 142 9,576 12,806

CA 4,213 287 231 1,750 378 259 959 175 0 0 8,252 1 47 5,670 1,934 15 210 11,501 19,378



CO 5,727 252 152 791 512 260 58 171 15 2 7,940 0 41 5,596 1,572 63 207 12,462 19,941

CT 5,469 561 269 2,568 1,003 357 178 127 100 23 10,655 0 92 7,878 1,636 233 380 14,726 24,945

DE 3,964 103 49 1,000 745 57 2 86 8 9 6,023 6 67 3,087 1,160 2 166 4,650 9,138

DC 2,719 260 162 1,053 483 159 52 47 57 8 5,000 0 37 6,765 1,339 50 23 14,436 22,650

FL 6,684 508 400 2,892 984 310 294 235 93 19 12,419 0 79 7,904 2,065 91 1,381 20,166 31,686



GA 4,861 183 277 1,585 460 224 83 211 37 5 7,926 16 42 4,780 1,093 361 344 12,111 18,747

ID 5,072 200 260 1,367 317 349 97 160 57 4 7,883 4 20 3,692 1,104 97 550 13,491 18,958

IL 4,024 36 97 1,554 408 68 47 96 35 4 6,369 6 12 3,401 1,022 4 199 9,722 14,366

IN 6,177 313 426 2,127 401 592 32 223 44 1 10,336 3 34 5,213 1,285 245 413 17,007 24,200

IA 4,819 229 60 1,120 394 401 34 189 12 1 7,259 1 8 2,582 603 12 195 10,826 14,227



KS 8,138 516 227 2,305 540 436 34 170 40 1 12,407 8 26 6,682 857 1,805 532 19,830 29,740

KY 6,241 404 121 1,367 20 1,075 13 136 111 1 9,489 5 27 4,355 846 385 1,140 17,002 23,760

LA 8,625 439 591 2,537 1,073 433 58 314 70 7 14,147 5 121 6,147 1,567 55 643 22,198 30,736

ME 3,316 214 89 1,005 348 100 5 103 24 3 5,207 0 15 2,215 414 33 41 7,281 9,999

MD 4,072 372 188 2,142 894 205 62 103 93 18 8,149 0 50 5,799 1,481 54 64 11,614 19,062



MA 6,856 1,347 465 4,552 1,163 547 417 243 201 31 15,822 0 148 10,480 2,160 72 23 20,443 33,326

MI 4,772 172 93 1,442 820 117 24 184 0 0 7,624 0 50 5,118 792 23 370 14,075 20,428

MN 4,398 48 23 435 654 108 80 138 3 0 5,887 0 11 3,582 722 11 196 10,392 14,914

MS 5,053 204 309 1,286 377 400 20 230 27 0 7,906 3 20 3,318 714 51 174 8,969 13,249

MO 4,716 207 270 918 822 58 29 164 13 8 7,205 0 38 3,029 808 230 366 10,352 14,823



MT 4,601 404 106 1,704 510 178 7 152 47 4 7,713 0 23 3,579 739 52 34 16,934 21,361

NE 8,475 357 256 1,627 523 224 43 145 35 4 11,689 2 70 4,898 784 95 170 20,636 26,655

NV 2,751 144 49 492 311 34 9 65 44 11 3,910 0 50 2,292 842 4 177 5,012 8,377

NH 4,761 304 148 1,768 463 209 34 74 63 7 7,831 0 40 4,703 1,061 33 273 10,257 16,367

NJ 10,654 1,317 733 6,792 2,369 910 621 331 351 46 24,124 0 467 19,950 5,911 169 236 37,335 64,068



NM 6,083 307 243 1,381 800 288 40 287 16 0 9,445 1 24 3,878 1,154 42 186 13,598 18,883

NY 5,518 407 529 2,337 594 849 274 245 70 5 10,828 8 52 8,242 2,203 135 561 17,806 29,007

NC 14,370 682 459 4,125 1,009 981 105 521 112 7 22,371 13 78 10,167 2,445 149 1,113 27,641 41,606

ND 2,896 149 163 717 113 224 10 95 11 0 4,378 2 14 1,760 406 21 242 7,938 10,383

OH 6,720 584 637 2,917 1,353 240 76 253 65 20 12,865 12 26 7,405 1,649 73 921 24,050 34,136

Total

Total

State 110 120 210 220 230 240 250 260 270 280 Eligible 405 410 420 430 435 440 450 Ineligible OK 6,699 172 252 1,130 535 698 23 240 25 7 9,781 0 50 3,751 1,021 110 466 13,382 18,780

OR 4,867 226 104 1,558 814 282 54 188 46 0 8,139 12 20 4,751 1,157 57 507 12,980 19,484

PA 5,806 291 477 1,987 400 638 79 258 47 4 9,987 4 34 5,974 1,751 103 475 12,411 20,752

RI 3,486 513 212 2,146 496 236 176 101 72 7 7,445 0 56 4,441 877 37 44 9,297 14,752

SC 5,272 1,842 736 2,678 627 813 65 380 81 5 12,499 9 41 6,435 1,990 54 549 18,783 27,861



SD 6,092 48 118 1,333 274 186 12 87 18 1 8,169 0 16 3,693 671 60 277 16,676 21,393

TN 3,708 74 21 309 64 29 3 13 5 0 4,226 0 70 979 619 0 111 8,425 10,204

TX 5,781 536 593 2,361 495 960 124 270 79 3 11,202 4 66 5,917 2,193 83 679 20,985 29,927

UT 5,065 113 120 820 454 25 70 104 16 0 6,787 1 3 2,374 810 15 67 8,721 11,991

VT 6,520 271 303 1,509 289 666 33 207 36 0 9,834 16 28 5,006 1,307 44 225 14,643 21,269



VA 5,021 555 365 1,632 611 326 45 195 40 6 8,796 64 17 4,152 1,018 12 183 10,861 16,307

WA 18,125 462 555 7,413 4,309 2,070 252 826 187 5 34,204 67 102 17,845 5,016 204 3,055 57,054 83,343

WV 3,390 52 54 581 182 113 0 110 13 0 4,495 1 8 1,408 304 13 30 3,257 5,021

WI 4,142 360 271 1,351 6 36 31 57 209 100 6,563 0 24 2,347 594 13 106 8,553 11,637

WY 4,016 153 198 887 180 339 31 122 12 3 5,941 5 16 2,944 861 49 86 9,787 13,748



PR 4,086 35 65 185 326 125 4 171 6 7 5,010 0 13 1,918 398 55 2,731 6,433 11,548

VI 2,607 123 333 487 141 374 57 102 15 2 4,241 3 20 3,326 854 19 409 10,619 15,250

Total 285,749 18,072 13,715 91,884 31,929 19,337 5,131 9,473 2,867 412 478,569 283 2,547 262,424 66,304 5,754 22,150 746,376 1,105,838

Median 4,944 279 237 1,476 489 260 46 167 40 4 7,933 1 38 4,398 1,022 53 218 12,437 19,010

Table 2. BRFSS Call Dispositions, Frequency Distribution by State for Telephone Numbers of Unknown Eligibility, 2004

Total

State 305 310 315 320 325 330 332 335 340 345 350 355 360 365 370 Unknown AL 99 1,749 225 64 63 1,027 24 816 101 74 159 786 477 30 0 5,694

AK 51 232 52 28 2 564 98 88 9 370 7 80 914 174 1 2,670

AZ 51 2,017 320 142 18 605 54 904 344 5 3 1,025 1,458 144 0 7,090

AR 88 959 122 89 52 1,541 50 373 2 149 5 194 782 78 0 4,484

CA 83 3,542 946 674 28 628 267 187 12 1,418 564 165 2,814 189 0 11,517



CO 63 502 202 73 25 1,288 341 241 16 831 20 164 1,760 340 0 5,866

CT 129 2,804 732 275 102 4,171 541 1,168 607 457 305 1,091 3,393 275 0 16,050

DE 1,358 1,467 125 18 80 961 33 1,025 1 12 0 232 1,569 8 0 6,889

DC 85 1,134 344 217 32 1,709 416 650 151 371 121 494 4,262 564 0 10,550

FL 213 5,437 1,175 407 90 1,497 188 2,493 647 4 7 2,141 2,322 174 0 16,795



GA 170 1,717 289 195 64 2,206 144 917 8 415 32 514 1,187 116 3 7,977

ID 54 1,051 144 163 30 2,546 81 569 3 211 18 183 1,146 110 0 6,309

IL 21 2,906 292 100 29 25 2 537 5 82 22 149 1,481 164 0 5,815

IN 143 2,376 265 37 90 3,396 102 910 3 344 15 500 1,672 211 0 10,064



IA 87 438 78 52 68 1,055 120 117 3 554 31 72 826 161 0 3,662

KS 81 1,486 210 38 53 3,922 161 410 18 566 65 357 1,339 147 0 8,853

KY 922 828 22 34 16 3,457 53 467 0 534 4 409 1,110 45 0 7,901

LA 79 3,010 706 98 121 2,812 304 1,054 13 82 22 587 1,952 177 0 11,017

ME 63 500 70 19 28 1,387 147 184 2 236 8 184 1,330 136 0 4,294



MD 94 2,221 432 237 75 3,603 460 991 236 438 172 626 3,544 460 0 13,589

MA 201 4,039 698 671 178 7,139 711 1,476 43 611 45 1,014 5,531 594 1 22,952

MI 30 3,158 832 144 126 1,297 2 731 125 741 158 312 1,859 233 0 9,748

MN 21 402 183 77 22 1,280 331 69 1 404 136 79 979 115 0 4,099

MS 186 997 178 23 51 1,449 127 470 4 234 23 447 984 69 3 5,245



MO 19 582 222 51 46 1,271 398 181 5 655 12 76 1,086 118 0 4,722

MT 50 766 100 8 54 1,735 160 247 11 257 18 387 1,483 150 0 5,426

NE 57 1,694 228 31 48 1,196 40 777 28 58 7 240 985 67 0 5,456

NV 19 299 77 33 17 1,880 531 55 0 526 8 263 980 75 0 4,763

NH 124 1,810 251 91 64 3,350 357 861 18 305 19 422 2,173 257 0 10,102



NJ 412 8,387 1,772 1,100 198 12,851 1,689 3,050 567 1,782 428 1,807 14,387 1,577 1 50,008

NM 86 819 176 43 39 1,863 237 175 18 875 129 157 1,455 147 0 6,219

NY 281 3,359 613 565 117 4,964 276 1,698 2 729 39 597 3,341 284 0 16,865

NC 431 4,317 602 148 136 4,828 193 2,480 60 789 134 1,408 2,537 59 0 18,122

ND 26 565 64 6 48 858 26 222 3 86 10 88 452 35 0 2,489



OH 97 3,809 1,262 94 99 2,687 211 2,141 2 294 3 819 2,093 136 2 13,749

OK 92 765 236 15 2 1,538 233 190 38 549 494 141 1,355 141 0 5,789

OR 62 1,681 705 83 60 1,872 118 622 5 770 11 391 990 57 0 7,427

Total

State 305 310 315 320 325 330 332 335 340 345 350 355 360 365 370 Unknown

PA 160 2,564 295 156 104 3,548 123 1,167 5 393 27 459 2,460 250 0 11,711

RI 100 1,727 297 200 102 3,054 303 560 13 240 15 395 1,854 293 0 9,153



SC 207 3,352 410 221 138 4,368 202 1,444 5 578 33 758 2,185 189 0 14,090

SD 28 1,022 79 18 7 1,081 14 605 1,114 60 66 205 897 36 6 5,238

TN 9 608 21 58 22 2,576 2 156 2 594 95 106 1,022 105 210 5,586

TX 236 3,018 408 155 91 4,667 246 1,239 14 471 35 609 2,543 239 0 13,971

UT 15 400 100 27 9 628 72 255 1 281 2 79 998 155 0 3,022



VT 216 1,711 252 37 67 2,050 106 1,160 1 369 29 310 1,817 72 0 8,197

VA 250 1,487 357 55 46 2,234 197 921 6 474 8 198 1,779 219 0 8,231

WA 502 7,925 3,776 477 294 6,693 736 3,655 57 2,238 225 1,810 5,391 423 0 34,202

WV 31 374 41 3 8 935 40 163 14 194 30 62 532 55 2 2,484

WI 7 1,040 199 53 7 596 40 525 12 3 0 109 826 83 0 3,500



WY 67 891 110 34 25 1,258 50 436 3 161 7 152 964 53 0 4,211

PR 20 100 40 8 12 89 61 55 16 127 7 47 856 4 0 1,442

VI 90 330 85 52 26 437 71 232 5 164 14 304 951 98 0 2,859

Total 8,066 100,374 21,420 7,697 3,329 124,672 11,489 42,119 4,379 23,165 3,847 24,204 103,083 10,091 229 488,164

Median 87 1,584 244 75 53 1,799 154 614 10 382 23 335 1,470 147 0 7,259

Table 3. Summary of 2004 BRFSS Final Disposition Codes and Rules

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| 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. |



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| Code Description Definition Callback Rules |
| 250 Language After respondent selection, the selected Give final disposition the first time a selected  Problem after or another respondent does not speak respondent is contacted who does not Respondent English or another language for which an adequately speak a language for which an Selection interviewer and translated questionnaire interviewer and questionnaire are available or  are available well enough to be the second time such a respondent who interviewed. cannot answer the screening questions is  contacted. |
| 260 Selected The selected respondent has a physical Give final disposition (1) the first time a  Respondent or mental condition that prevents the selected respondent is contacted or is Unable to completion of an interview and that described by someone else as unable to Complete an condition is expected to last through the complete an interview during the interviewing Interview entire interviewing period. This includes a period or (2) the second time a respondent  temporary condition that will last beyond who is physically or mentally impaired is the interviewing period. contacted. |
| 270 Termination Respondent hangs up or terminates call Give final disposition after second hang-up or  after Number attempt after answering the number of termination or when a first-time hang-up or of Adults adults question but *before* answering the termination will not be called a second time Recorded number of men and number of women because of an irate respondent.  questions. This differs from 280 in that the respondent explicitly refuses. |
| 280 Household Respondent answers the number of Give final disposition only after (a) at least 5  Contact after adults question and asks to be called calling occasions (each consisting of no more Number of again later *but* the number of men and than 3 attempts at least one hour apart) for a Adults number of women is never determined. minimum total of 15 call attempts, and (b) the Recorded On the surface, this is a postponement 15 or more call attempts consist of at least 3  that was never re-started but may be an weekday calls, 3 weeknight calls, and 3 implicit refusal. weekend calls. |
| 300 Non-Interview, Eligibility Undetermined |
| 305 Household A house sitter, house cleaner, or other Give final disposition when informed.  Members non-member of a household states that  Away from all of the household members will be  Residence away from the residence during the *entire*  interviewing period. |
| 310 Termination, A respondent hangs-up or terminates a Give final disposition after second hang-up or  Housing Unit, call attempt before answering the number termination or when a first-time hang-up or Unknown if of adults question. This differs from 315 in termination will not be called a second time Eligible that the respondent explicitly refuses. 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 |
| 315 Household A respondent verified that the number Give final disposition only after (a) at least 5  Contact, reaches a private residence and asked to calling occasions (each consisting of no more Eligibility be called again later but the number of than 3 attempts at least one hour apart) for a Undetermined adults in the household was never minimum total of 15 call attempts, and (b) the  determined. On the surface, this is a 15 or more call attempts consist of at least 3 postponement that was never re-started weekday calls, 3 weeknight calls, and 3  but may be an implicit refusal. weekend calls. |
| 320 Language A respondent who does not speak Give final disposition after second contact with  Problem English or another language for which an a respondent who does not speak a language before interviewer and translated questionnaire for which there is a translated questionnaire Respondent are available well enough to answer the and interviewer available. If the first occurrence Selection screening questions answers the is on the fifteenth or subsequent call attempt,  telephone twice before selection. give final disposition. |
| 325 Impairment A respondent whose physical or mental Give final disposition after second contact with  before impairment prevents him or her from a physically or mentally impaired respondent. If Respondent completing the screening questions the first occurrence is on the fifteenth or Selection answers the phone twice before subsequent call attempt, give final disposition.  respondent selection. |
| 330 Termination, A respondent hangs-up or terminates a Give final disposition after second termination  Unknown if call attempt before confirming that the or when a first-time hang-up or termination will  Household telephone number rings to a private not be called a second time because of an residence. irate respondent. If the first occurrence is on  the fifteenth or subsequent call attempt, give final disposition. |
| 332 Contact, A respondent did not verify that the Give final disposition only after (a) at least 5  Unknown if telephone number reaches a private calling occasions (each consisting of no more  Household residence but asked to be called again. than 3 attempts at least one hour apart) for a On the surface, this is a postponement minimum total of 15 call attempts, and (b) the that was never re-started but may be an 15 or more call attempts consist of at least 3 implicit refusal. This differs from 330 in weekday calls, 3 weeknight calls, and 3  that the respondent never explicitly weekend calls. refuses. |
| 335 Answering One or more call attempts reached an Give final disposition only after (a) at least 5  Device, answering machine but no person was calling occasions (each consisting of no more Message ever spoken to. The message confirms than 3 attempts at least one hour apart) for a Confirms that the telephone number reaches a minimum total of 15 call attempts, and (b) the Household private residence by using the words, 15 or more call attempts consist of at least 3  “home,” “house,” “family,” “residence,” or weekday calls, 3 weeknight calls, and 3 a family name. weekend calls. |

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| --- |
| Code Description Definition Callback Rules |
| 340 Technological Call attempts reached a call blocking Give final disposition only after (a) at least 5  Barrier, message, a message asking the caller to calling occasions (each consisting of no more Message identify himself or herself, or other than 3 attempts at least one hour apart) for a Confirms automated message, but no person. A minimum total of 15 call attempts, and (b) the Household message confirms that the telephone 15 or more call attempts consist of at least 3  number reaches a private residence. weekday calls, 3 weeknight calls, and 3 weekend calls. |
| 345 Answering One or more call attempts reached a Give final disposition only after (a) at least 5  Device, telephone answering machine but no calling occasions (each consisting of no more Unsure If person. The message leaves open the than 3 attempts at least one hour apart) for a Household possibility that the telephone number is minimum total of 15 call attempts, and (b) the  reaching a private residence but it does 15 or more call attempts consist of at least 3 not explicitly state so. weekday calls, 3 weeknight calls, and 3  weekend calls. |
| 350 Technological Attempts reached a call blocking Give final disposition only after (a) at least 5  Barrier, message, a message asking the caller to calling occasions (each consisting of no more Unsure if identify himself or herself, or other than 3 attempts at least one hour apart) for a Household automated response, but no person. minimum total of 15 call attempts, and (b) the  There is no message or a message does 15 or more call attempts consist of at least 3 not specify if the number is a private weekday calls, 3 weeknight calls, and 3 residence. weekend calls. |
| 355 Number Has On the second or subsequent call Give final disposition when notified.  Changed attempt, a telephone number responds Status from with a message indicating that the Possible telephone number called is a non-working  Household to number or has been changed and there is  Non-Working at least one relevant previous interim disposition indicating the number was working. |
| 360 No Answer Among telephone numbers that no Give final disposition only after (a) at least 5  person or device ever answered, half or calling occasions (each consisting of no more more of the call attempts resulted in a than 3 attempts at least one hour apart) for a normal telephone ring that no one minimum total of 15 call attempts, and (b) the answered. 15 or more call attempts consist of at least 3  weekday, 3 weeknight, and 3 weekend calls. |
| 365 Busy Among telephone numbers which no Give final disposition only after (a) at least 5  person or device ever answered, more calling occasions (each consisting of no more than half of the call attempts resulted in a than 3 attempts at least 10 minutes apart) for a normal busy signal. 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. If possible, contact the telephone company repair service to verify the number is in service. |
| 370 On “Never To be assigned to (those few) telephone This disposition should never be assigned to a |

Code Description Definition Callback Rules

Call” List numbers that the BRFSS State Coordinator has determined, before calling begins, should not be called.

telephone number with one or more call attempts.

400 Not Eligible

|  |
| --- |
| 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 No one 18 years of age or older uses the Give final disposition when informed.  Eligible telephone. To be assigned when no one  Respondent 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. |
| 420 Not a Household The person answering the phone or an Give final disposition when informed. answering machine identifies the  telephone number as a business, a group quarters, a vacant or seasonally vacant  housing unit, a pager, or a dedicated  fax/data line. |
| 430 Dedicated A telephone number used only as a fax, Give final disposition only after at least 2  Fax/data Line data, or modem line. calling occasions for a minimum of 6 attempts with No Human with at least one relevant interim disposition Contact code. |
| 435 Cellular The telephone number rings to a cell or Give final disposition when informed by person  Telephone mobile phone. or electronic message. |
| 440 Fast Busy A telephone number with at least one Give final disposition only after at least 2  interim disposition of “Fast Busy” and all calling occasions (each consisting of no more other interim dispositions are “No than 3 attempts at least one hour apart) for a Answer,” “Busy,” “Possible Non-working minimum total of 6 call attempts with at least Number,” or “Circuit Busy.” one relevant interim disposition code. |
| 450 Non-working/ Usually recognized by a tritone, a Give final disposition when the criteria are met.  Disconnected recording, a number that consistently If 15 call attempts are required, give final  Number rings to an incorrect number, or a number disposition only after at least 5 calling that cannot be verified by a respondent. occasions for a minimum total of 15 call This code also includes numbers that are attempts, and the 15 or more call attempts pre-identified as non-working numbers by consist of at least 3 weekday calls, 3  GENESYS. weeknight calls, and 3 weekend calls. |

Table 4. BRFSS Call Dispositions, Frequency Distribution by Categories of Case Outcomes, 2004

Total

Total

Total

COIN TERE KNHH LIHH AMUR INHH NCUS BUNR NOSN Elig HH Eligible EUHH Unknown Ineligible HH TOTAL AL 3,671 1,114 3,248 2,065 233 55 507 2,430 7,062 1,549 5,144 5,187 5,694 9,547 10,153 20,385

AK 2,688 569 935 782 377 21 1,088 2,527 12,012 1,113 3,769 1,582 2,670 14,560 4,995 20,999

AZ 4,768 1,564 3,978 2,188 8 42 1,602 3,792 12,708 2,299 7,018 5,488 7,090 16,542 12,540 30,650

AR 4,161 1,239 2,402 1,928 154 16 860 2,247 10,543 2,173 6,260 3,624 4,484 12,806 9,746 23,550

CA 4,564 1,917 6,529 1,774 1,982 47 3,003 5,670 13,661 3,752 8,252 8,514 11,517 19,378 14,831 39,147



CO 6,027 895 2,026 1,907 851 41 2,100 5,596 14,304 1,961 7,940 3,766 5,866 19,941 10,896 33,747

CT 6,104 2,763 6,621 6,787 762 92 3,668 7,878 16,975 4,625 10,655 12,382 16,050 24,945 22,367 51,650

DE 4,080 1,036 4,882 1,325 12 67 1,577 3,087 5,984 1,956 6,023 5,312 6,889 9,138 11,390 22,050

DC 3,024 1,170 3,019 3,019 492 37 4,826 6,765 15,848 2,021 5,000 5,724 10,550 22,650 10,269 38,200

FL 7,302 3,182 11,253 4,970 11 79 2,496 7,904 23,703 5,227 12,419 14,299 16,795 31,686 26,786 60,900



GA 5,123 1,783 4,113 3,134 447 42 1,303 4,780 13,925 2,882 7,926 6,674 7,977 18,747 14,195 34,650

ID 5,339 1,560 2,802 3,006 229 20 1,256 3,692 15,246 2,611 7,883 5,053 6,309 18,958 12,727 33,150

IL 4,083 1,628 4,414 310 104 12 1,645 3,401 10,953 2,309 6,369 4,170 5,815 14,366 10,447 26,550

IN 6,608 2,435 4,987 4,128 359 34 1,883 5,213 18,953 3,846 10,336 8,181 10,064 24,200 18,192 44,600



IA 5,062 1,166 1,751 1,370 585 8 987 2,582 11,637 2,211 7,259 2,675 3,662 14,227 9,357 25,148

KS 8,728 2,458 3,408 4,549 631 26 1,486 6,682 23,032 3,753 12,407 7,367 8,853 29,740 19,169 51,000

KY 6,664 1,469 3,595 3,969 538 27 1,155 4,355 19,378 2,844 9,489 6,746 7,901 23,760 15,724 41,150

LA 9,242 2,950 6,804 3,935 104 121 2,129 6,147 24,468 5,083 14,147 8,888 11,017 30,736 23,052 55,900

ME 3,554 1,070 1,400 1,767 244 15 1,466 2,215 7,769 1,677 5,207 2,828 4,294 9,999 7,806 19,500



MD 4,496 2,278 5,113 5,237 610 50 4,004 5,799 13,213 3,705 8,149 9,585 13,589 19,062 17,174 40,800

MA 8,331 4,889 9,016 9,757 656 148 6,125 10,480 22,698 7,619 15,822 16,827 22,952 33,326 32,141 72,100

MI 4,967 1,512 5,896 2,006 899 50 2,092 5,118 15,260 2,680 7,624 7,656 9,748 20,428 14,431 37,800

MN 4,452 452 1,658 1,790 540 11 1,094 3,582 11,321 1,441 5,887 3,005 4,099 14,914 8,363 24,900

MS 5,339 1,513 2,885 2,104 257 20 1,053 3,318 9,911 2,649 7,906 4,192 5,245 13,249 11,861 26,400



MO 4,996 1,115 2,098 1,847 667 38 1,204 3,029 11,756 2,282 7,205 3,518 4,722 14,823 10,094 26,750

MT 5,034 1,781 2,061 2,355 275 23 1,633 3,579 17,759 2,708 7,713 3,793 5,426 21,361 11,254 34,500

NE 8,895 1,820 3,730 1,583 65 70 1,052 4,898 21,687 2,857 11,689 4,404 5,456 26,655 16,098 43,800

NV 2,897 539 924 2,724 534 50 1,055 2,292 6,035 1,015 3,910 3,708 4,763 8,377 7,134 17,050

NH 5,106 1,875 3,896 4,302 324 40 2,430 4,703 11,624 2,766 7,831 7,672 10,102 16,367 15,219 34,300



NJ 12,173 7,323 18,249 18,213 2,210 467 15,964 19,950 43,651 12,153 24,124 34,044 50,008 64,068 56,425 138,200

NM 6,443 1,571 2,687 2,357 1,004 24 1,602 3,878 14,981 3,055 9,445 4,617 6,219 18,883 13,082 34,547

NY 6,064 2,727 7,988 6,521 768 52 3,625 8,242 20,713 4,903 10,828 13,240 16,865 29,007 23,352 56,700

NC 15,205 4,431 10,565 6,773 923 78 2,596 10,167 31,361 7,319 22,371 15,526 18,122 41,606 37,052 82,099

ND 3,099 826 1,330 1,029 96 14 487 1,760 8,609 1,333 4,378 2,002 2,489 10,383 6,298 17,250



OH 7,497 3,361 9,316 3,914 297 26 2,229 7,405 26,705 5,561 12,865 11,520 13,749 34,136 24,114 60,750

OK 6,940 1,313 2,811 1,967 1,043 50 1,496 3,751 14,979 2,910 9,781 4,293 5,789 18,780 13,081 34,350

OR 5,122 1,633 4,454 2,529 781 20 1,047 4,751 14,713 3,046 8,139 6,380 7,427 19,484 13,758 35,050

PA 6,213 2,348 5,612 4,395 420 34 2,710 5,974 14,744 3,890 9,987 9,001 11,711 20,752 18,602 42,450

RI 4,057 2,300 3,772 4,067 255 56 2,147 4,441 10,255 3,446 7,445 7,006 9,153 14,752 14,252 31,350

SC 7,323 3,205 7,384 5,692 611 41 2,374 6,435 21,385 5,385 12,499 11,716 14,090 27,861 23,645 54,450

Table 4. BRFSS Call Dispositions, Frequency Distribution by Categories of Case Outcomes, 2004

Total

Total

Total

COIN TERE KNHH LIHH AMUR INHH NCUS BUNR NOSN Elig HH Eligible EUHH Unknown Ineligible HH TOTAL SD 6,172 1,419 2,312 2,445 126 16 933 3,693 17,684 2,029 8,169 4,305 5,238 21,393 12,364 34,800

TN 3,788 324 908 2,976 689 70 1,127 979 9,155 444 4,226 4,459 5,586 10,204 8,066 20,016

TX 6,494 2,777 6,832 5,782 506 66 2,782 5,917 23,944 4,885 11,202 11,189 13,971 29,927 21,951 55,100

UT 5,205 913 1,439 816 283 3 1,153 2,374 9,614 1,609 6,787 1,869 3,022 11,991 8,376 21,800



VT 6,864 1,739 4,570 2,571 398 28 1,889 5,006 16,235 3,043 9,834 6,308 8,197 21,269 15,772 39,300

VA 5,634 1,939 4,238 2,736 482 17 1,998 4,152 12,138 3,220 8,796 6,233 8,231 16,307 14,564 33,334

WA 18,957 7,598 23,507 10,067 2,463 102 5,814 17,845 65,396 15,617 34,204 28,388 34,202 83,343 60,231 151,749

WV 3,458 619 1,027 1,064 224 8 587 1,408 3,605 1,053 4,495 1,897 2,484 5,021 6,176 12,000

WI 4,621 1,503 2,210 817 3 24 909 2,347 9,266 2,061 6,563 2,591 3,500 11,637 9,175 21,700



WY 4,226 1,028 2,191 1,522 168 16 1,017 2,944 10,788 1,772 5,941 3,194 4,211 13,748 8,983 23,900

PR 4,134 237 854 233 134 13 860 1,918 9,617 889 5,010 582 1,442 11,548 5,471 18,000

VI 2,812 738 1,428 895 178 20 1,049 3,326 11,904 1,511 4,241 1,810 2,859 15,250 5,893 22,350 Total 307,810 101,610 241,128 175,999 27,012 2,547 113,174 262,424 840,867 174,748 478,569 374,990 488,164 1,105,838 829,094 2,072,571

Median 5,164 1,600 3,751 2,550 434 38 1,602 4,398 14,509 2,805 7,933 5,606 7,259 19,010 13,420 34,524

Table 5. BRFSS Call Dispositions, Percent Distribution by Categories of Case Outcomes, 2004

State % COIN % TERE

% KNHH

% LIHH % AMUR

% INHH

% NCUS

% BUNR

% NOSN

% Elig

HH

% Total

Eligible

% EUHH

% Total

Unknown

% Total

Ineligible % HH TOTAL

AL 18.01% 5.46% 15.93% 10.13% 1.14% 0.27% 2.49% 11.92% 34.64% 7.60% 25.23% 25.45% 27.93% 46.83% 49.81% 20,385

AK 12.80% 2.71% 4.45% 3.72% 1.80% 0.10% 5.18% 12.03% 57.20% 5.30% 17.95% 7.53% 12.71% 69.34% 23.79% 20,999

AZ 15.56% 5.10% 12.98% 7.14% 0.03% 0.14% 5.23% 12.37% 41.46% 7.50% 22.90% 17.91% 23.13% 53.97% 40.91% 30,650

AR 17.67% 5.26% 10.20% 8.19% 0.65% 0.07% 3.65% 9.54% 44.77% 9.23% 26.58% 15.39% 19.04% 54.38% 41.38% 23,550

CA 11.66% 4.90% 16.68% 4.53% 5.06% 0.12% 7.67% 14.48% 34.90% 9.58% 21.08% 21.75% 29.42% 49.50% 37.89% 39,147



CO 17.86% 2.65% 6.00% 5.65% 2.52% 0.12% 6.22% 16.58% 42.39% 5.81% 23.53% 11.16% 17.38% 59.09% 32.29% 33,747

CT 11.82% 5.35% 12.82% 13.14% 1.48% 0.18% 7.10% 15.25% 32.87% 8.95% 20.63% 23.97% 31.07% 48.30% 43.30% 51,650

DE 18.51% 4.70% 22.14% 6.01% 0.05% 0.30% 7.15% 14.00% 27.14% 8.87% 27.32% 24.09% 31.24% 41.44% 51.66% 22,050

DC 7.92% 3.06% 7.90% 7.90% 1.29% 0.10% 12.63% 17.71% 41.49% 5.29% 13.09% 14.98% 27.62% 59.29% 26.88% 38,200

FL 11.99% 5.22% 18.48% 8.16% 0.02% 0.13% 4.10% 12.98% 38.92% 8.58% 20.39% 23.48% 27.58% 52.03% 43.98% 60,900



GA 14.78% 5.15% 11.87% 9.04% 1.29% 0.12% 3.76% 13.80% 40.19% 8.32% 22.87% 19.26% 23.02% 54.10% 40.97% 34,650

ID 16.10% 4.71% 8.45% 9.07% 0.69% 0.06% 3.79% 11.14% 45.99% 7.88% 23.78% 15.24% 19.03% 57.19% 38.39% 33,150

IL 15.38% 6.13% 16.63% 1.17% 0.39% 0.05% 6.20% 12.81% 41.25% 8.70% 23.99% 15.71% 21.90% 54.11% 39.35% 26,550

IN 14.82% 5.46% 11.18% 9.26% 0.80% 0.08% 4.22% 11.69% 42.50% 8.62% 23.17% 18.34% 22.57% 54.26% 40.79% 44,600



IA 20.13% 4.63% 6.96% 5.45% 2.33% 0.03% 3.92% 10.27% 46.27% 8.79% 28.87% 10.64% 14.56% 56.57% 37.21% 25,148

KS 17.11% 4.82% 6.68% 8.92% 1.24% 0.05% 2.91% 13.10% 45.16% 7.36% 24.33% 14.45% 17.36% 58.31% 37.59% 51,000

KY 16.19% 3.57% 8.74% 9.65% 1.31% 0.07% 2.81% 10.58% 47.09% 6.91% 23.06% 16.39% 19.20% 57.74% 38.21% 41,150

LA 16.53% 5.28% 12.17% 7.04% 0.19% 0.22% 3.81% 11.00% 43.77% 9.09% 25.31% 15.90% 19.71% 54.98% 41.24% 55,900

ME 18.23% 5.48% 7.18% 9.06% 1.25% 0.08% 7.52% 11.36% 39.84% 8.60% 26.70% 14.50% 22.02% 51.28% 40.03% 19,500



MD 11.02% 5.58% 12.53% 12.84% 1.50% 0.12% 9.81% 14.21% 32.38% 9.08% 19.97% 23.49% 33.31% 46.72% 42.09% 40,800

MA 11.55% 6.78% 12.50% 13.53% 0.91% 0.21% 8.50% 14.54% 31.48% 10.57% 21.94% 23.34% 31.83% 46.22% 44.58% 72,100

MI 13.14% 4.00% 15.60% 5.31% 2.38% 0.13% 5.53% 13.54% 40.37% 7.09% 20.17% 20.25% 25.79% 54.04% 38.18% 37,800

MN 17.88% 1.81% 6.66% 7.19% 2.17% 0.04% 4.39% 14.39% 45.47% 5.79% 23.64% 12.07% 16.46% 59.90% 33.59% 24,900

MS 20.22% 5.73% 10.93% 7.97% 0.97% 0.08% 3.99% 12.57% 37.54% 10.03% 29.95% 15.88% 19.87% 50.19% 44.93% 26,400



MO 18.68% 4.17% 7.84% 6.90% 2.49% 0.14% 4.50% 11.32% 43.95% 8.53% 26.93% 13.15% 17.65% 55.41% 37.73% 26,750

MT 14.59% 5.16% 5.97% 6.83% 0.80% 0.07% 4.73% 10.37% 51.48% 7.85% 22.36% 10.99% 15.73% 61.92% 32.62% 34,500

NE 20.31% 4.15% 8.52% 3.61% 0.15% 0.16% 2.40% 11.18% 49.51% 6.52% 26.69% 10.05% 12.46% 60.86% 36.75% 43,800

NV 16.99% 3.16% 5.42% 15.98% 3.13% 0.29% 6.19% 13.44% 35.40% 5.95% 22.93% 21.75% 27.94% 49.13% 41.84% 17,050

NH 14.89% 5.47% 11.36% 12.54% 0.94% 0.12% 7.08% 13.71% 33.89% 8.06% 22.83% 22.37% 29.45% 47.72% 44.37% 34,300



NJ 8.81% 5.30% 13.20% 13.18% 1.60% 0.34% 11.55% 14.44% 31.59% 8.79% 17.46% 24.63% 36.19% 46.36% 40.83% 138,200

NM 18.65% 4.55% 7.78% 6.82% 2.91% 0.07% 4.64% 11.23% 43.36% 8.84% 27.34% 13.36% 18.00% 54.66% 37.87% 34,547

NY 10.70% 4.81% 14.09% 11.50% 1.35% 0.09% 6.39% 14.54% 36.53% 8.65% 19.10% 23.35% 29.74% 51.16% 41.19% 56,700

NC 18.52% 5.40% 12.87% 8.25% 1.12% 0.10% 3.16% 12.38% 38.20% 8.91% 27.25% 18.91% 22.07% 50.68% 45.13% 82,099

ND 17.97% 4.79% 7.71% 5.97% 0.56% 0.08% 2.82% 10.20% 49.91% 7.73% 25.38% 11.61% 14.43% 60.19% 36.51% 17,250



OH 12.34% 5.53% 15.33% 6.44% 0.49% 0.04% 3.67% 12.19% 43.96% 9.15% 21.18% 18.96% 22.63% 56.19% 39.69% 60,750

OK 20.20% 3.82% 8.18% 5.73% 3.04% 0.15% 4.36% 10.92% 43.61% 8.47% 28.47% 12.50% 16.85% 54.67% 38.08% 34,350

OR 14.61% 4.66% 12.71% 7.22% 2.23% 0.06% 2.99% 13.55% 41.98% 8.69% 23.22% 18.20% 21.19% 55.59% 39.25% 35,050

PA 14.64% 5.53% 13.22% 10.35% 0.99% 0.08% 6.38% 14.07% 34.73% 9.16% 23.53% 21.20% 27.59% 48.89% 43.82% 42,450

RI 12.94% 7.34% 12.03% 12.97% 0.81% 0.18% 6.85% 14.17% 32.71% 10.99% 23.75% 22.35% 29.20% 47.06% 45.46% 31,350



Table 5. BRFSS Call Dispositions, Percent Distribution by Categories of Case Outcomes, 2004

State % COIN % TERE

% KNHH

% LIHH % AMUR

% INHH

% NCUS

% BUNR

% NOSN

% Elig

HH

% Total

Eligible

% EUHH

% Total

Unknown

% Total

Ineligible % HH TOTAL

SC 13.45% 5.89% 13.56% 10.45% 1.12% 0.08% 4.36% 11.82% 39.27% 9.89% 22.96% 21.52% 25.88% 51.17% 43.43% 54,450

SD 17.74% 4.08% 6.64% 7.03% 0.36% 0.05% 2.68% 10.61% 50.82% 5.83% 23.47% 12.37% 15.05% 61.47% 35.53% 34,800

TN 18.92% 1.62% 4.54% 14.87% 3.44% 0.35% 5.63% 4.89% 45.74% 2.22% 21.11% 22.28% 27.91% 50.98% 40.30% 20,016

TX 11.79% 5.04% 12.40% 10.49% 0.92% 0.12% 5.05% 10.74% 43.46% 8.87% 20.33% 20.31% 25.36% 54.31% 39.84% 55,100

UT 23.88% 4.19% 6.60% 3.74% 1.30% 0.01% 5.29% 10.89% 44.10% 7.38% 31.13% 8.57% 13.86% 55.00% 38.42% 21,800



VT 17.47% 4.42% 11.63% 6.54% 1.01% 0.07% 4.81% 12.74% 41.31% 7.74% 25.02% 16.05% 20.86% 54.12% 40.13% 39,300

VA 16.90% 5.82% 12.71% 8.21% 1.45% 0.05% 5.99% 12.46% 36.41% 9.66% 26.39% 18.70% 24.69% 48.92% 43.69% 33,334

WA 12.49% 5.01% 15.49% 6.63% 1.62% 0.07% 3.83% 11.76% 43.09% 10.29% 22.54% 18.71% 22.54% 54.92% 39.69% 151,749

WV 28.82% 5.16% 8.56% 8.87% 1.87% 0.07% 4.89% 11.73% 30.04% 8.78% 37.46% 15.81% 20.70% 41.84% 51.47% 12,000

WI 21.30% 6.92% 10.18% 3.76% 0.01% 0.11% 4.19% 10.82% 42.70% 9.50% 30.24% 11.94% 16.13% 53.63% 42.28% 21,700



WY 17.68% 4.30% 9.17% 6.37% 0.70% 0.07% 4.26% 12.32% 45.14% 7.41% 24.86% 13.36% 17.62% 57.52% 37.59% 23,900

PR 22.97% 1.32% 4.74% 1.29% 0.74% 0.07% 4.78% 10.66% 53.43% 4.94% 27.83% 3.23% 8.01% 64.16% 30.39% 18,000

VI 12.58% 3.30% 6.39% 4.00% 0.80% 0.09% 4.69% 14.88% 53.26% 6.76% 18.98% 8.10% 12.79% 68.23% 26.37% 22,350



Total 14.85% 4.90% 11.63% 8.49% 1.30% 0.12% 5.46% 12.66% 40.57% 8.43% 23.09% 18.09% 23.55% 53.36% 40.00% 2,072,571



Median 14.96% 4.63% 10.87% 7.39% 1.26% 0.11% 4.64% 12.74% 42.02% 8.12% 22.98% 16.24% 21.02% 55.06% 38.87% 34,524



Minimum 7.92% 1.62% 4.45% 1.17% 0.01% 0.01% 2.40% 4.89% 27.14% 2.22% 13.09% 7.53% 12.46% 41.44% 23.79% 12,000



Maximum 28.82% 7.34% 22.14% 15.98% 5.06% 0.35% 12.63% 17.71% 57.20% 10.99% 37.46% 25.45% 36.19% 69.34% 51.66% 151,749

Table 6. BRFSS Outcome Rates by State, 2004

**State Name Resolution**

**Rate**

**Screening Completion Rate**

**Interview Completion Rate**

**Cooperation**

**Rate**

**Refusal Rate**

**Overall Response Rate**

**Response**

**Rate**

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Alabama 86.2% 59.8% 76.7% 75.3% 15.6% 36.9% 51.4% Alaska 89.3% 77.8% 82.5% 79.7% 13.2% 54.9% 62.3% Arizona 87.6% 61.6% 75.3% 72.8% 17.1% 38.8% 52.2% Arkansas 87.5% 69.3% 77.1% 74.1% 16.0% 43.6% 53.8% California 82.7% 50.0% 70.4% 59.9% 16.4% 31.4% 39.0% Colorado 85.6% 77.5% 87.1% 84.3% 9.3% 56.4% 62.7% Connecticut 78.3% 57.5% 68.8% 66.6% 17.9% 27.8% 39.5% Delaware 86.8% 51.5% 79.8% 78.4% 11.8% 36.6% 46.6% District of Columbia 78.2% 58.4% 72.1% 70.4% 16.9% 30.0% 43.8% Florida 87.7% 48.4% 69.6% 66.3% 18.6% 27.8% 42.6% Georgia 85.9% 62.8% 74.2% 71.2% 17.3% 36.8% 49.8% Idaho 86.5% 71.2% 77.4% 74.6% 16.0% 42.8% 54.8% Illinois 92.2% 56.5% 71.5% 69.7% 20.0% 39.9% 50.1% Indiana 85.7% 64.5% 73.1% 71.1% 18.2% 37.1% 49.5% Iowa 88.3% 78.1% 81.3% 78.5% 13.7% 55.2% 59.6% Kansas 86.9% 76.7% 78.0% 76.6% 16.4% 46.5% 58.1% Kentucky 86.2% 69.4% 81.9% 80.5% 12.5% 43.2% 56.7% Louisiana 89.0% 64.4% 75.8% 73.6% 16.7% 40.9% 52.5% Maine 82.2% 76.8% 76.9% 75.1% 16.0% 46.5% 53.2% Maryland 75.9% 57.2% 66.4% 64.8% 18.6% 26.7% 36.8% Massachusetts 77.1% 59.7% 63.0% 60.0% 21.1% 26.4% 35.9% Michigan 86.8% 52.5% 76.7% 74.3% 14.7% 35.1% 48.4% Minnesota 86.2% 74.8% 90.8% 86.9% 6.4% 54.3% 63.2% Mississippi 87.1% 70.4% 77.9% 75.2% 15.3% 45.9% 54.1% Missouri 86.1% 74.6% 81.8% 79.3% 12.7% 50.5% 57.1% Montana 87.6% 76.8% 73.9% 72.2% 19.5% 45.6% 55.0% Nebraska 93.8% 74.3% 83.0% 81.6% 13.6% 56.4% 66.6% Nevada 74.7% 79.0% 84.3% 82.5% 9.9% 41.4% 53.4% New Hampshire 79.4% 64.3% 73.1% 72.0% 16.9% 34.2% 46.0% New Jersey 73.7% 52.2% 62.4% 59.5% 19.4% 22.0% 32.2% New Mexico 85.6% 74.9% 80.4% 77.2% 13.6% 50.3% 55.9% New York 80.8% 52.5% 69.0% 65.1% 17.7% 26.5% 39.3% North Carolina 87.5% 65.1% 77.4% 75.0% 15.4% 41.9% 53.0% North Dakota 90.7% 74.8% 79.0% 76.9% 16.1% 50.2% 60.6% Ohio 89.4% 53.9% 69.0% 67.0% 20.2% 31.7% 45.1% Oklahoma 86.9% 74.7% 84.1% 81.5% 11.2% 54.1% 59.0% Oregon 87.6% 60.3% 75.8% 73.2% 15.8% 38.0% 49.6% Pennsylvania 82.3% 60.5% 72.6% 69.8% 17.0% 34.1% 45.1%



Table 6. BRFSS Outcome Rates by State, 2004

**State Name**

**Resolution**

**Rate**

**Screening Completion Rate**

**Interview Completion Rate**

**Cooperation**

**Rate**

**Refusal Rate**

**Overall Response Rate**

**Response**

**Rate**

Rhode Island 79.4% 63.0% 63.8% 61.2% 21.9% 29.0% 38.6% South Carolina 84.1% 58.9% 69.6% 66.7% 19.0% 31.6% 43.4%



South Dakota 89.9% 76.7% 81.3% 80.3% 14.8% 50.9% 64.2%

Tennessee

76.1% 82.2% 92.1% 91.8% 5.5% 47.9% 64.6%

Texas 83.5% 57.7% 70.1% 67.2% 18.5% 30.2% 43.3% Utah 89.7% 81.0% 85.1% 82.7% 11.6% 63.4% 66.1%



Vermont 87.6% 65.4%

79.8%

77.6% 14.0% 44.4% 55.2%

Virginia 84.4% 64.2% 74.4% 72.1% 16.6% 39.5% 48.2% Washington 87.9% 53.1% 71.4% 68.6% 17.2% 32.1% 42.9% West Virginia 84.4% 79.9% 84.8% 82.6% 10.9% 57.1% 61.0% Wisconsin 92.0% 73.6% 75.5% 74.4% 19.2% 51.4% 59.1% Wyoming 88.7% 70.6% 80.4% 78.2% 14.3% 48.0% 58.6% Puerto Rico 93.2% 83.7% 94.6% 90.9% 4.4% 77.1% 75.9%



Virgin Islands 90.5% 71.4% 79.2% 75.8% 15.2% 48.7% 57.8%

Median 86.4% 64.8% 76.7% 74.3% 16.1% 41.2% 52.7% Minimum 73.7% 48.4% 62.4% 59.5% 5.5% 22.0% 32.2%

Maximum 93.8% 82.2% 92.1% 91.8% 21.9% 63.4% 66.6%



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| Table 7. Percentage of Females in BRFSS and Population Data by State, 2004 | | | | | |
| State | BRFSS Percent |  | Population Percent |  | Difference |
| Alabama | 63.96 |  | 52.6 |  | 11.36 |
| Alaska | 54.29 |  | 48.11 |  | 6.18 |
| Arizona | 63.70 |  | 50.58 |  | 13.12 |
| Arkansas | 61.13 |  | 51.92 |  | 9.21 |
| California | 58.78 |  | 50.67 |  | 8.11 |
| Colorado | 58.14 |  | 49.95 |  | 8.19 |
| Connecticut | 60.31 |  | 52.51 |  | 7.80 |
| Delaware | 60.11 |  | 52.3 |  | 7.81 |
| District of Columbia | 60.63 |  | 53.55 |  | 7.08 |
| Florida | 61.41 |  | 51.98 |  | 9.43 |
| Georgia | 60.13 |  | 51.37 |  | 8.76 |
| Idaho | 58.19 |  | 50.21 |  | 7.98 |
| Illinois | 59.91 |  | 51.73 |  | 8.18 |
| Indiana | 60.24 |  | 51.6 |  | 8.64 |
| Iowa | 60.17 |  | 51.7 |  | 8.47 |
| Kansas | 58.89 |  | 51.21 |  | 7.68 |
| Kentucky | 64.72 |  | 51.83 |  | 12.89 |
| Louisiana | 63.37 |  | 52.42 |  | 10.95 |
| Maine | 58.21 |  | 52.08 |  | 6.13 |
| Maryland | 60.98 |  | 52.63 |  | 8.35 |
| Massachusetts | 58.22 |  | 52.75 |  | 5.47 |
| Michigan | 59.39 |  | 51.65 |  | 7.74 |
| Minnesota | 57.61 |  | 51.06 |  | 6.55 |
| Mississippi | 63.42 |  | 52.49 |  | 10.93 |
| Missouri | 57.53 |  | 52.2 |  | 5.33 |
| Montana | 57.52 |  | 50.63 |  | 6.89 |
| Nebraska | 58.74 |  | 51.33 |  | 7.41 |
| Nevada | 49.44 |  | 49.4 |  | 0.04 |
| New Hampshire | 57.00 |  | 51.5 |  | 5.50 |
| New Jersey | 58.38 |  | 52.3 |  | 6.08 |
| New Mexico | 59.45 |  | 51.44 |  | 8.01 |
| New York | 61.19 |  | 52.65 |  | 8.54 |
| North Carolina | 60.74 |  | 51.63 |  | 9.11 |
| North Dakota | 55.90 |  | 50.61 |  | 5.29 |
| Ohio | 59.76 |  | 52.26 |  | 7.50 |
| Oklahoma | 60.55 |  | 51.56 |  | 8.99 |
| Oregon | 59.01 |  | 50.89 |  | 8.12 |
| Pennsylvania | 60.39 |  | 52.59 |  | 7.80 |
| Rhode Island | 60.44 |  | 52.92 |  | 7.52 |
| South Carolina | 60.24 |  | 52.21 |  | 8.03 |
| South Dakota | 57.79 |  | 51.02 |  | 6.77 |
| Tennessee | 63.80 |  | 52.04 |  | 11.76 |
| Texas | 60.94 |  | 50.89 |  | 10.05 |
| Utah | 52.72 |  | 50.25 |  | 2.47 |
| Vermont | 58.33 |  | 51.66 |  | 6.67 |
| Virginia | 58.16 |  | 51.59 |  | 6.57 |
| Washington | 59.59 |  | 50.69 |  | 8.90 |

Table 7. Percentage of Females in BRFSS and Population Data by State, 2004

State BRFSS Percent Population Percent Difference West Virginia 59.61 52.1 7.51

Wisconsin 57.26 51.21 6.05

Wyoming 56.36 50.03 6.33



Puerto Rico 61.47 53.06 8.41

Virgin Islands 62.81 54.75 8.06



Median 59.60 51.64 7.81



Mean 59.34 51.53 7.81



Standard Deviation 2.72 0.99 2.25



Range 15.28 5.44 13.08



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| Table 8. Percentage of White Non-Hispanic People in BRFSS and Population Data by State, 2004\* | | | | | |
| State | BRFSS Percent |  | Population Percent |  | Difference |
| Alabama | 70.45 |  | 72.23 |  | -1.78 |
| Alaska | 73.92 |  | 70.71 |  | 3.21 |
| Arizona | 72.27 |  | 68.34 |  | 3.93 |
| Arkansas | 83.93 |  | 80.57 |  | 3.36 |
| California | 55.31 |  | 49.76 |  | 5.55 |
| Colorado | 78.08 |  | 77.04 |  | 1.04 |
| Connecticut | 85.43 |  | 79.27 |  | 6.16 |
| Delaware | 78.79 |  | 74.45 |  | 4.34 |
| District of Columbia | 46.93 |  | 31.90 |  | 15.03 |
| Florida | 73.57 |  | 67.47 |  | 6.10 |
| Georgia | 67.57 |  | 64.46 |  | 3.11 |
| Idaho | 91.60 |  | 89.54 |  | 2.06 |
| Illinois | 74.26 |  | 70.04 |  | 4.22 |
| Indiana | 86.22 |  | 86.89 |  | -0.67 |
| Iowa | 94.05 |  | 93.56 |  | 0.49 |
| Kansas | 87.30 |  | 84.70 |  | 2.60 |
| Kentucky | 90.52 |  | 89.92 |  | 0.60 |
| Louisiana | 67.04 |  | 64.97 |  | 2.07 |
| Maine | 96.16 |  | 96.95 |  | -0.79 |
| Maryland | 71.07 |  | 63.22 |  | 7.85 |
| Massachusetts | 85.23 |  | 83.17 |  | 2.06 |
| Michigan | 84.26 |  | 80.48 |  | 3.78 |
| Minnesota | 92.28 |  | 89.79 |  | 2.49 |
| Mississippi | 65.85 |  | 63.71 |  | 2.14 |
| Missouri | 86.23 |  | 85.11 |  | 1.12 |
| Montana | 91.39 |  | 91.21 |  | 0.18 |
| Nebraska | 90.05 |  | 88.71 |  | 1.34 |
| Nevada | 64.70 |  | 68.04 |  | -3.34 |
| New Hampshire | 94.86 |  | 95.51 |  | -0.65 |
| New Jersey | 73.53 |  | 67.13 |  | 6.40 |
| New Mexico | 54.88 |  | 48.60 |  | 6.28 |
| New York | 71.01 |  | 63.28 |  | 7.73 |
| North Carolina | 72.79 |  | 72.06 |  | 0.73 |
| North Dakota | 93.59 |  | 93.10 |  | 0.49 |
| Ohio | 85.10 |  | 85.36 |  | -0.26 |
| Oklahoma | 76.75 |  | 76.78 |  | -0.03 |
| Oregon | 84.85 |  | 85.33 |  | -0.48 |
| Pennsylvania | 89.13 |  | 85.43 |  | 3.70 |
| Rhode Island | 85.81 |  | 83.83 |  | 1.98 |
| South Carolina | 74.32 |  | 68.43 |  | 5.89 |
| South Dakota | 92.49 |  | 90.23 |  | 2.26 |
| Tennessee | 83.88 |  | 80.90 |  | 2.98 |
| Texas | 56.44 |  | 55.48 |  | 0.96 |
| Utah | 88.04 |  | 86.18 |  | 1.86 |
| Vermont | 94.76 |  | 96.41 |  | -1.65 |

Table 8. Percentage of White Non-Hispanic People in BRFSS and Population Data by State, 2004\*

State BRFSS Percent Population Percent Difference Virginia 73.45 71.39 2.06

Washington 82.87 80.85 2.02

West Virginia 93.34 94.85 -1.51

Wisconsin 90.80 89.25 1.55



Wyoming 91.27 90.22 1.05



Median 84.10 80.71 2.06



Mean 80.17 77.74 2.43



Standard Deviation 11.84 13.73 3.08



Range 49.23 65.05 18.37

\*Puerto Rico and Virgin Islands are excluded.

Table 9. Percentage of People Aged 18-24 in BRFSS and Population Data by State, 2004

State BRFSS Percent Population Percent Difference Alabama 7.86 13.52 5.66

Alaska 10.95 14.00 3.05

Arizona 6.94 13.20 6.26

Arkansas 7.96 13.40 5.44

California 10.14 13.31 3.17



Colorado 9.72 13.11 3.39

Connecticut 6.68 11.14 4.46

Delaware 9.57 13.08 3.51

District of Columbia 9.12 14.53 5.41

Florida 7.63 11.06 3.43



Georgia 9.55 13.83 4.28

Idaho 10.26 15.32 5.06

Illinois 11.16 13.17 2.01

Indiana 9.13 13.85 4.72

Iowa 8.41 14.16 5.75



Kansas 7.92 14.38 6.46

Kentucky 5.99 13.16 7.17

Louisiana 10.94 15.00 4.06

Maine 6.34 11.57 5.23

Maryland 6.30 11.84 5.54



Massachusetts 7.01 12.10 5.09

Michigan 8.83 13.10 4.27

Minnesota 7.87 13.43 5.56

Mississippi 8.68 15.43 6.75

Missouri 8.66 13.21 4.55



Montana 7.17 13.51 6.34

Nebraska 6.45 14.26 7.81

Nevada 9.78 11.45 1.67

New Hampshire 6.46 12.11 5.65

New Jersey 6.11 10.94 4.83



New Mexico 8.99 13.92 4.93

New York 8.19 12.35 4.16

North Carolina 7.19 13.01 5.82

North Dakota 8.62 15.78 7.16

Ohio 8.88 12.88 4.00



Oklahoma 8.37 14.32 5.95

Oregon 8.73 12.79 4.06

Pennsylvania 8.05 12.25 4.20

Rhode Island 6.93 13.46 6.53

South Carolina 7.69 13.76 6.07



South Dakota 6.82 14.83 8.01

Tennessee 6.80 12.78 5.98

Texas 11.60 14.50 2.90

Utah 13.84 20.11 6.27



Table 9. Percentage of People Aged 18-24 in BRFSS and Population Data by State, 2004

State BRFSS Percent Population Percent Difference West Virginia 7.39 12.41 5.02

Wisconsin 8.64 13.57 4.93

Wyoming 8.29 14.62 6.33

Puerto Rico 12.09 14.85 2.76



Virgin Islands 9.50 14.88 5.38



Median 8.39 13.40 5.08



Mean 8.49 13.51 5.01



Standard Deviation 1.67 1.46 1.43



Range 7.85 9.17 6.34

Table 10. Percentage of Adults Aged 25-34 in BRFSS and Population Data by State, 2004

State BRFSS Percent Population Percent Difference Alabama 15.04 17.24 2.20

Alaska 19.50 18.41 -1.09

Arizona 17.09 18.71 1.62

Arkansas 13.92 17.00 3.08

California 19.95 19.88 -0.07



Colorado 18.08 19.32 1.24

Connecticut 13.91 15.56 1.65

Delaware 15.31 16.85 1.54

District of Columbia 21.61 21.73 0.12

Florida 13.68 15.62 1.94



Georgia 16.38 19.99 3.61

Idaho 18.17 17.71 -0.46

Illinois 15.04 18.59 3.55

Indiana 17.10 17.28 0.18

Iowa 14.64 15.63 0.99



Kansas 15.46 16.72 1.26

Kentucky 13.97 17.55 3.58

Louisiana 16.55 17.61 1.06

Maine 13.14 14.47 1.33

Maryland 15.41 17.05 1.64



Massachusetts 15.31 17.15 1.84

Michigan 12.52 17.08 4.56

Minnesota 14.35 16.95 2.60

Mississippi 16.46 17.75 1.29

Missouri 14.53 16.67 2.14



Montana 14.05 14.76 0.71

Nebraska 16.19 16.83 0.64

Nevada 15.90 19.34 3.44

New Hampshire 13.32 15.05 1.73

New Jersey 14.28 16.95 2.67



New Mexico 13.94 17.01 3.07

New York 16.02 17.89 1.87

North Carolina 17.69 18.63 0.94

North Dakota 14.53 15.35 0.82

Ohio 15.34 16.60 1.26



Oklahoma 14.74 16.93 2.19

Oregon 16.32 17.53 1.21

Pennsylvania 14.14 15.32 1.18

Rhode Island 13.68 16.07 2.39

South Carolina 15.71 17.48 1.77



South Dakota 14.25 15.69 1.44

Tennessee 16.00 17.88 1.88

Texas 20.00 19.97 -0.03

Utah 22.20 21.98 -0.22



Table 10. Percentage of Adults Aged 25-34 in BRFSS and Population Data by State, 2004

State BRFSS Percent Population Percent Difference West Virginia 14.18 15.58 1.40

Wisconsin 16.51 16.16 -0.35

Wyoming 15.43 15.64 0.21

Puerto Rico 12.82 19.30 6.48

Virgin Islands 15.74 18.83 3.09



Median 15.36 17.12 1.61



Mean 15.66 17.33 1.67



Standard Deviation 2.10 1.66 1.34



Range 9.68 7.51 7.57

Table 11. Percentage of Adults Aged 35-44 in BRFSS and Population Data by State, 2004



State BRFSS Percent Population Percent Difference Alabama 18.37 19.31 -0.94

Alaska 20.94 23.36 -2.42

Arizona 18.91 19.62 -0.71

Arkansas 17.20 18.76 -1.56

California 22.61 21.51 1.10



Colorado 20.61 21.60 -0.99

Connecticut 20.53 21.45 -0.92

Delaware 21.68 20.64 1.04

District of Columbia 19.26 19.14 0.12

Florida 17.19 19.20 -2.01



Georgia 20.85 21.85 -1.00

Idaho 18.12 19.28 -1.16

Illinois 20.59 20.55 0.04

Indiana 19.63 19.98 -0.35

Iowa 18.98 18.57 0.41



Kansas 19.07 19.53 -0.46

Kentucky 18.54 19.92 -1.38

Louisiana 19.88 19.78 0.10

Maine 20.01 20.19 -0.18

Maryland 20.90 22.15 -1.25



Massachusetts 21.03 21.19 -0.16

Michigan 19.59 20.36 -0.77

Minnesota 20.98 21.17 -0.19

Mississippi 17.60 19.15 -1.55

Missouri 18.54 19.83 -1.29



Montana 19.52 18.51 1.01

Nebraska 19.62 19.22 0.40

Nevada 19.50 21.21 -1.71

New Hampshire 21.14 22.10 -0.96

New Jersey 20.77 21.74 -0.97



New Mexico 18.84 19.75 -0.91

New York 21.28 20.80 0.48

North Carolina 19.99 20.41 -0.42

North Dakota 19.04 18.11 0.93



Table 11. Percentage of Adults Aged 35-44 in BRFSS and Population Data by State, 2004

State BRFSS Percent Population Percent Difference West Virginia 18.29 17.75 0.54

Wisconsin 19.95 20.47 -0.52

Wyoming 18.21 18.74 -0.53

Puerto Rico 17.37 18.66 -1.29

Virgin Islands 21.43 20.08 1.35



Median 19.56 19.95 -0.67



Mean 19.55 20.07 -0.52



Standard Deviation 1.28 1.17 0.82



Range 5.42 5.61 3.77

Table 12. Percentage of Adults Aged 45-54 in BRFSS and Population Data by State, 2004



State BRFSS Percent Population Percent Difference Alabama 20.83 18.59 2.24

Alaska 23.66 23.16 0.50

Arizona 18.80 17.30 1.50

Arkansas 20.25 17.82 2.43

California 19.28 18.52 0.76



Colorado 21.26 20.39 0.87

Connecticut 21.92 19.67 2.25

Delaware 20.41 18.43 1.98

District of Columbia 18.28 16.91 1.37

Florida 18.28 17.41 0.87



Georgia 20.96 18.68 2.28

Idaho 19.77 19.05 0.72

Illinois 21.60 18.64 2.96

Indiana 21.18 18.93 2.25

Iowa 20.88 18.62 2.26



Kansas 22.05 18.90 3.15

Kentucky 22.55 18.88 3.67

Louisiana 21.09 18.70 2.39

Maine 23.39 20.51 2.88

Maryland 23.45 19.98 3.47



Massachusetts 22.48 18.87 3.61

Michigan 23.08 19.59 3.49

Minnesota 22.89 19.46 3.43

Mississippi 19.60 17.94 1.66

Missouri 20.09 18.61 1.48



Montana 22.47 20.88 1.59

Nebraska 22.69 18.76 3.93

Nevada 20.40 18.64 1.76

New Hampshire 24.50 20.89 3.61

New Jersey 21.68 19.18 2.50



New Mexico 21.20 19.40 1.80

New York 20.83 18.51 2.32

North Carolina 19.08 18.43 0.65

North Dakota 23.19 18.77 4.42



Table 12. Percentage of Adults Aged 45-54 in BRFSS and Population Data by State, 2004

State BRFSS Percent Population Percent Difference West Virginia 21.69 19.51 2.18

Wisconsin 22.02 19.35 2.67

Wyoming 24.36 21.19 3.17



Puerto Rico 20.41 16.95 3.46

Virgin Islands 22.94 19.57 3.37



Median 21.41 18.86 2.27



Mean 21.39 19.06 2.33



Standard Deviation 1.61 1.15 1.05



Range 6.76 6.61 4.47

Table 13. Percentage of Adults Aged 55-64 in BRFSS and Population Data by State, 2004



State BRFSS Percent Population Percent Difference Alabama 16.92 13.43 3.49

Alaska 14.71 12.27 2.44

Arizona 15.92 12.81 3.11

Arkansas 19.38 13.75 5.63



California 13.85 11.89 1.96

Colorado 15.53 12.27 3.26

Connecticut 16.04 13.67 2.37

Delaware 13.83 13.36 0.47

District of Columbia 14.59 12.02 2.57

Florida 16.41 13.48 2.93



Georgia 15.52 12.30 3.22

Idaho 16.02 12.73 3.29

Illinois 14.33 12.44 1.89

Indiana 15.08 12.87 2.21

Iowa 15.52 12.64 2.88



Kansas 13.87 12.23 1.64

Kentucky 17.30 13.32 3.98

Louisiana 15.11 12.59 2.52

Maine 17.34 14.07 3.27

Maryland 16.27 13.47 2.80



Massachusetts 16.39 12.76 3.63

Michigan 16.14 13.04 3.10

Minnesota 15.70 12.38 3.32

Mississippi 16.17 12.66 3.51

Missouri 16.62 13.17 3.45



Montana 18.14 13.89 4.25

Nebraska 15.35 12.18 3.17

Nevada 16.83 14.03 2.80

New Hampshire 16.84 13.57 3.27

New Jersey 16.18 13.31 2.87



New Mexico 16.63 13.23 3.40

New York 14.99 13.01 1.98

North Carolina 16.33 13.09 3.24

North Dakota 15.47 11.99 3.48



Table 13. Percentage of Adults Aged 55-64 in BRFSS and Population Data by State, 2004

State BRFSS Percent Population Percent Difference Washington 15.45 13.00 2.45

West Virginia 17.93 14.27 3.66

Wisconsin 15.04 12.60 2.44

Wyoming 15.68 13.51 2.17

Puerto Rico 16.76 13.86 2.90



Virgin Islands 17.80 11.86 5.94

Median 16.15 13.06 3.14



Mean 16.04 12.95 3.10



Standard Deviation 1.19 0.75 0.89



Range 5.55 4.08 5.47

Table 14. Percentage of Adults Aged 65+ in BRFSS and Population Data by State, 2004



State BRFSS Percent Population Percent Difference Alabama 20.63 17.91 2.72

Alaska 9.35 8.80 0.55

Arizona 21.42 18.36 3.06

Arkansas 20.72 19.28 1.44

California 13.97 14.90 -0.93



Colorado 14.38 13.30 1.08

Connecticut 19.71 18.51 1.20

Delaware 18.50 17.64 0.86

District of Columbia 15.48 15.67 -0.19

Florida 25.63 23.23 2.40



Georgia 15.91 13.35 2.56

Idaho 17.15 15.91 1.24

Illinois 17.20 16.60 0.60

Indiana 17.15 17.09 0.06

Iowa 21.07 20.38 0.69



Kansas 21.15 18.24 2.91

Kentucky 21.32 17.16 4.16

Louisiana 15.87 16.32 -0.45

Maine 19.20 19.19 0.01

Maryland 16.26 15.50 0.76



Massachusetts 16.43 17.93 -1.50

Michigan 19.42 16.83 2.59

Minnesota 18.20 16.61 1.59

Mississippi 20.94 17.08 3.86

Missouri 21.16 18.51 2.65



Montana 17.98 18.46 -0.48

Nebraska 19.07 18.75 0.32

Nevada 17.41 15.32 2.09

New Hampshire 16.80 16.29 0.51

New Jersey 19.48 17.89 1.59



New Mexico 20.12 16.69 3.43

New York 17.67 17.44 0.23

North Carolina 19.12 16.43 2.69

North Dakota 18.56 20.01 -1.45

Ohio 18.55 18.25 0.30



Oklahoma 21.97 18.33 3.64

Oregon 18.20 17.13 1.07

Pennsylvania 20.25 20.71 -0.46

Rhode Island 17.03 18.96 -1.93

South Carolina 18.27 16.76 1.51



South Dakota 23.21 19.89 3.32

Tennessee 20.54 16.94 3.60

Texas 14.05 14.12 -0.07

Utah 13.71 12.44 1.27

Vermont 19.17 17.13 2.04



Table 14. Percentage of Adults Aged 65+ in BRFSS and Population Data by State, 2004

State BRFSS Percent Population Percent Difference Median 18.39 17.11 1.12



Mean 18.22 17.09 1.13



Standard Deviation 2.92 2.30 1.69



Range 16.28 14.43 8.31

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



State, 2004

State Percent Don't Know/ Not Sure Percent Refused Percent Combined Alabama 6.46 6.06 12.52

Alaska 5.48 5.16 10.64

Arizona 6.30 8.16 14.46

Arkansas 5.76 5.89 11.65

California 3.09 5.74 8.83



Colorado 5.21 6.44 11.65

Connecticut 5.99 9.41 15.40

Delaware 7.40 16.32 23.72

District of Columbia 4.55 6.61 11.16

Florida 6.40 9.24 15.64



Georgia 7.87 6.44 14.31

Idaho 5.18 5.73 10.91

Illinois 6.16 6.61 12.77

Indiana 6.14 6.86 13.00

Iowa 5.08 6.07 11.15



Kansas 7.16 8.29 15.45

Kentucky 9.18 11.49 20.67

Louisiana 7.52 7.61 15.13

Maine 4.55 5.15 9.70

Maryland 4.72 7.91 12.63



Massachusetts 4.90 7.63 12.53

Michigan 6.92 6.72 13.64

Minnesota 6.92 5.19 12.11

Mississippi 10.01 5.21 15.22

Missouri 5.03 6.77 11.80



Montana 4.93 6.02 10.95

Nebraska 5.96 6.41 12.37

Nevada 6.06 6.17 12.23

New Hampshire 4.83 7.38 12.21

New Jersey 5.34 9.35 14.69



New Mexico 5.88 5.35 11.23

New York 6.34 7.04 13.38

North Carolina 6.79 14.31 21.10

North Dakota 4.61 7.33 11.94

Ohio 5.89 8.02 13.91



Oklahoma 6.59 6.12 12.71

Oregon 5.64 6.02 11.66

Pennsylvania 5.71 8.01 13.72

Rhode Island 5.10 8.08 13.18

South Carolina 5.93 7.07 13.00



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

State, 2004

State Percent Don't Know/ Not Sure Percent Refused Percent Combined Washington 5.63 7.78 13.41

West Virginia 8.05 3.22 11.27

Wisconsin 4.21 8.13 12.34

Wyoming 4.43 5.87 10.30

Puerto Rico 13.89 1.99 15.88



Virgin Islands 10.68 3.92 14.60



Median 5.91 6.53 12.67



Mean 6.23 7.04 13.27



Standard Deviation 1.76 2.41 2.81



Range 10.80 14.33 14.89