

**2001**

**Behavioral Risk Factor Surveillance System**

**Summary Data Quality Report**

**August 16, 2002**

2001 Summary Data Quality Report 1

**2001 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 four types of measures by state1:

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

(3) Missing values on income. (4) Sampling frame coverage.

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.

Table 1 presents the frequency distributions of individual disposition codes by state. The percent completes by state is the Efficiency Rate.

Table 2 presents brief definitions of each disposition code.

Table 3 presents BRFSS CASRO and cooperation rates, by state.

The categories used in the calculations of the outcome rates are defined below.

|  |  |  |
| --- | --- | --- |
| **Categories of Case Outcomes** | | |
| Category | Disposition Code Definition | Format in Formulas |
| Completed Interview | 01 | COIN |
| Eligible and able to complete  interview | 01+02+07+09+12+13+14 | Elig HH |
| Unknown Eligibility | 04+10 | Unknown |
| Ineligible or unable to complete  interview | 03+05+06+08+11 | Ineligible |

The BRFSS Cooperation Rate is an outcome rate with the number of completes in the numerator and the number of eligible respondents who are capable of completing the survey in the denominator. Records with disposition codes indicating a respondent who does not speak English—or in some states, English or Spanish—or a respondent with a physical or mental impairment are excluded from the denominator.3 The

1 In this report, “state” includes the District of Columbia and Puerto Rico.

2 The measures in this report are at best only indirect indicators of the quality of the data collection effort or adherence to BRFSS protocols. The *2000 BRFSS Baseline Summary Quality Control Report* presents

measures more directly relevant to these latter concerns.

3 Whether or not such respondents are eligible is a matter of perspective. They are eligible in that they

are part of the stated target population. They are not eligible in that they are not capable of completing an interview.

denominator of the Cooperation Rate consists of records with disposition codes of 01, 02, 07, 09, 13, 14. Thus, the formula for the BRFSS Cooperation Rate is

⎡ *COIN* ⎤

⎢ ⎥

Table 3.

⎣ *EligHH* ⎦

A response rate is an outcome rate with the number of completes in the numerator and an estimate of the number of eligible units in the sample in the denominator. The BRFSS CASRO Response Rate calculation treats telephone numbers used by someone aged 18 years or older who speaks English—or

in some states, English or Spanish—well enough to complete the interview and with no physical or mental impairment that prevents completion of the interview as eligible units. Eligible records are records with disposition codes of 01, 02, 07, 09, 12, 13, or 14. Ineligible records are records in which a respondent is unable to complete an interview (those with disposition codes of 11 or 08) or those in which no adult resident uses the number (disposition codes 03, 05, and 06). Added to this total is an estimate of the number of households among the records whose eligibility is undetermined. These are records with disposition codes of 04 or 10. The BRFSS CASRO Rate calculation assumes that the unresolved numbers contain the same percentage of eligible households as the records whose eligibility or

ineligibility are determined. Thus, the formula for the BRFSS CASRO Rate is:

⎡ ⎤

⎢ ⎥

⎢ *COIN* ⎥

⎢ ⎛ *EligHH* ⎞ ⎥

⎢(*EligHH*) +⎜ ( ) +( )⎟×*Unknow*⎥*n*

⎣ ⎝ *EligHH*

*Ineligible*⎠ ⎦

A 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 responders and the non-responders. A response rate does not address the latter factor.

Table 4 presents frequency distributions of individual household disposition codes by state. The percent completes by state may be termed the Household Completion Rate. It is the percent of completes among identified households.

Table 5 presents frequency distributions of individual disposition codes by state for listed household telephone numbers.4 These distributions may be less subject to the influences of characteristics of the telephone systems and of sample designs than the distributions of all sample records. By definition, all of

these numbers were listed household numbers at one time. While states will differ in the extent to which these numbers will have changed status since being listed, the resulting differences should be smaller than the differences among numbers that began with different statuses. Thus, the percent of completes among listed household numbers may be considered an alternative measure of data quality.

4 Listed household telephone numbers are identified by the sample provider. This table excludes

Minnesota, Puerto Rico, and Wisconsin, for which listed household designations are not available.

Selection Biases

Tables 6 through 13 present data on the differences between BRFSS and population data with respect to gender, 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.5 Because 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 14 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.

5 These factors make up the variable \_WT1 in the BRFSS SAS data sets.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 1. BRFSS Call Dispositions, Frequency Distribution by State, 2001 | | | | | | | | | | | | | | | |
| State | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | Total |
| AK | 2875 | 678 | 30066 | 2611 | 4510 | 52 | 653 | 133 | 15 | 4403 | 63 | 550 | 0 | 791 | 47400 |
| AL | 2795 | 645 | 7870 | 562 | 2604 | 91 | 761 | 39 | 59 | 658 | 139 | 488 | 421 | 312 | 17444 |
| AR | 2928 | 755 | 16433 | 950 | 3123 | 14 | 821 | 78 | 93 | 109 | 179 | 337 | 0 | 1630 | 27450 |
| AZ | 3264 | 1071 | 15387 | 1227 | 4070 | 68 | 264 | 109 | 97 | 356 | 49 | 658 | 0 | 1830 | 28450 |
| CA | 4257 | 1332 | 16805 | 2020 | 6539 | 114 | 944 | 1177 | 121 | 972 | 262 | 3965 | 0 | 3492 | 42000 |
| CO | 2032 | 425 | 8323 | 476 | 3689 | 47 | 545 | 70 | 13 | 58 | 94 | 316 | 0 | 812 | 16900 |
| CT | 7752 | 3511 | 43938 | 4378 | 11818 | 177 | 1387 | 430 | 213 | 823 | 254 | 1496 | 0 | 6670 | 82847 |
| DC | 1888 | 565 | 15590 | 2452 | 6588 | 37 | 346 | 135 | 36 | 1232 | 41 | 595 | 0 | 2195 | 31700 |
| DE | 3514 | 746 | 21249 | 1843 | 5131 | 39 | 1547 | 102 | 65 | 1950 | 172 | 595 | 0 | 1447 | 38400 |
| FL | 4683 | 1852 | 22941 | 2610 | 6957 | 138 | 434 | 321 | 143 | 766 | 90 | 1186 | 0 | 4279 | 46400 |
| GA | 4532 | 1456 | 22560 | 1810 | 8073 | 183 | 2300 | 299 | 248 | 588 | 297 | 831 | 0 | 3219 | 46396 |
| GU | 871 | 199 | 17655 | 796 | 2582 | 18 | 218 | 201 | 22 | 455 | 17 | 239 | 0 | 277 | 23550 |
| HI | 4500 | 115 | 20321 | 2663 | 7010 | 0 | 21 | 392 | 59 | 107 | 177 | 1106 | 0 | 1479 | 37950 |
| IA | 3635 | 602 | 23784 | 975 | 3375 | 14 | 1002 | 81 | 11 | 117 | 187 | 661 | 0 | 755 | 35199 |
| ID | 4833 | 897 | 26123 | 1377 | 4839 | 32 | 840 | 193 | 105 | 291 | 140 | 639 | 0 | 2090 | 42399 |
| IL | 4010 | 979 | 22439 | 2060 | 6541 | 38 | 722 | 237 | 37 | 1 | 259 | 402 | 0 | 2925 | 40650 |
| IN | 3993 | 1042 | 18967 | 1408 | 4485 | 23 | 1077 | 51 | 74 | 229 | 119 | 649 | 0 | 2383 | 34500 |
| KS | 4601 | 1011 | 27782 | 1313 | 6033 | 51 | 644 | 93 | 44 | 713 | 82 | 476 | 0 | 2757 | 45600 |
| KY | 7532 | 692 | 37340 | 1027 | 5317 | 168 | 3380 | 137 | 25 | 35 | 805 | 24 | 0 | 1644 | 58126 |
| LA | 5003 | 1489 | 25879 | 2163 | 7165 | 154 | 1495 | 78 | 167 | 362 | 298 | 1358 | 0 | 2739 | 48350 |
| MA | 8628 | 4338 | 77697 | 5571 | 16390 | 151 | 1442 | 801 | 294 | 3163 | 344 | 2009 | 0 | 8472 | 129300 |
| MD | 4472 | 1859 | 27627 | 3158 | 7016 | 72 | 803 | 206 | 74 | 2808 | 137 | 1024 | 0 | 4594 | 53850 |
| ME | 2420 | 785 | 12813 | 884 | 2180 | 40 | 243 | 26 | 18 | 576 | 95 | 241 | 0 | 1129 | 21450 |
| MI | 3830 | 847 | 20438 | 2246 | 5883 | 88 | 696 | 132 | 98 | 0 | 182 | 731 | 0 | 3029 | 38200 |
| MN | 3965 | 472 | 17686 | 1153 | 3505 | 75 | 835 | 93 | 17 | 554 | 98 | 656 | 0 | 891 | 30000 |
| MO | 4178 | 813 | 19709 | 1345 | 4549 | 40 | 1010 | 34 | 159 | 285 | 139 | 3153 | 225 | 1361 | 37000 |
| MS | 3043 | 732 | 12932 | 695 | 3210 | 66 | 1472 | 40 | 110 | 344 | 233 | 189 | 0 | 1126 | 24192 |
| MT | 3338 | 454 | 22857 | 592 | 2671 | 82 | 531 | 10 | 8 | 4 | 184 | 280 | 22 | 317 | 31350 |
| NC | 6205 | 1020 | 21190 | 1918 | 7566 | 71 | 1135 | 242 | 74 | 544 | 218 | 1356 | 0 | 2261 | 43800 |
| ND | 2510 | 499 | 20054 | 623 | 2431 | 16 | 453 | 13 | 32 | 62 | 82 | 183 | 0 | 842 | 27800 |
| NE | 3699 | 455 | 21113 | 515 | 4058 | 76 | 403 | 28 | 16 | 195 | 47 | 471 | 0 | 1324 | 32400 |
| NH | 4068 | 1416 | 23429 | 1923 | 4763 | 57 | 472 | 77 | 36 | 1166 | 111 | 553 | 0 | 2529 | 40600 |
| NJ | 6018 | 3226 | 38438 | 6245 | 11199 | 258 | 1617 | 1017 | 222 | 2658 | 203 | 1590 | 0 | 6609 | 79300 |
| NM | 3621 | 474 | 13055 | 1042 | 3721 | 28 | 817 | 30 | 61 | 327 | 112 | 668 | 0 | 838 | 24794 |
| NV | 2573 | 211 | 15482 | 1750 | 4084 | 35 | 126 | 333 | 3 | 363 | 89 | 1153 | 0 | 1271 | 27473 |
| NY | 3899 | 1910 | 19853 | 2914 | 6408 | 47 | 859 | 570 | 73 | 762 | 185 | 1018 | 0 | 4102 | 42600 |
| OH | 3433 | 1667 | 18585 | 1673 | 4595 | 48 | 506 | 65 | 92 | 472 | 134 | 592 | 0 | 2988 | 34850 |
| OK | 4550 | 732 | 21191 | 1029 | 3275 | 76 | 770 | 10 | 56 | 934 | 82 | 764 | 1 | 1239 | 34709 |
| OR | 2536 | 518 | 11317 | 823 | 3201 | 23 | 547 | 34 | 43 | 138 | 75 | 403 | 0 | 1292 | 20950 |
| PA | 3661 | 955 | 20046 | 1941 | 4910 | 39 | 1097 | 105 | 75 | 175 | 144 | 707 | 0 | 2495 | 36350 |
| PR | 4236 | 243 | 6849 | 2775 | 1877 | 3 | 712 | 2 | 5 | 290 | 204 | 0 | 0 | 0 | 17196 |
| RI | 4120 | 1671 | 25026 | 1652 | 4574 | 71 | 643 | 227 | 104 | 634 | 170 | 556 | 0 | 3002 | 42450 |
| SC | 3201 | 1524 | 16183 | 1232 | 3938 | 70 | 556 | 58 | 100 | 318 | 147 | 515 | 0 | 2158 | 30000 |
| SD | 5119 | 703 | 37661 | 1280 | 4443 | 57 | 590 | 33 | 44 | 209 | 91 | 724 | 0 | 1096 | 52050 |
| TN | 2924 | 196 | 11583 | 845 | 1906 | 111 | 42 | 52 | 22 | 62 | 161 | 409 | 0 | 1927 | 20240 |
| TX | 5916 | 1485 | 39753 | 3312 | 9464 | 75 | 2821 | 111 | 113 | 497 | 268 | 1282 | 0 | 4303 | 69400 |
| UT | 3656 | 343 | 16033 | 1257 | 3230 | 26 | 643 | 126 | 30 | 788 | 77 | 451 | 0 | 440 | 27100 |
| VA | 2939 | 615 | 10618 | 1260 | 3980 | 7 | 626 | 213 | 81 | 514 | 140 | 523 | 0 | 1282 | 22798 |
| VI | 2263 | 306 | 8170 | 818 | 3064 | 38 | 715 | 44 | 76 | 46 | 88 | 343 | 0 | 479 | 16450 |
| VT | 4301 | 1345 | 40290 | 1670 | 4387 | 87 | 435 | 23 | 37 | 421 | 122 | 529 | 0 | 2053 | 55700 |
| WA | 4207 | 1177 | 21200 | 1458 | 7372 | 119 | 662 | 391 | 76 | 891 | 209 | 952 | 0 | 2386 | 41100 |
| WI | 3351 | 1072 | 12475 | 899 | 3549 | 13 | 49 | 30 | 135 | 0 | 52 | 812 | 0 | 1584 | 24021 |
| WV | 3093 | 373 | 8271 | 617 | 1881 | 32 | 543 | 5 | 30 | 104 | 127 | 358 | 0 | 666 | 16100 |
| WY | 3039 | 494 | 15159 | 794 | 2867 | 9 | 571 | 37 | 30 | 83 | 76 | 330 | 0 | 911 | 24400 |
| Cumulative | 212510 | 54992 | 1166235 | 92630 | 272596 | 3564 | 44843 | 9574 | 4091 | 34612 | 8550 | 42096 | 669 | 114722 | 2061684 |
| Median | 3765 | 770 | 20050 | 1361 | 4464 | 52 | 679 | 93 | 63 | 363 | 139 | 595 | 0 | 1637 | 35025 |

Table 2. Summary of 2001 BRFSS Disposition Rules

|  |  |  |
| --- | --- | --- |
| Code |  | Rule |
| 1 Completed interview  (questions asked through age, race, and sex) | Give final disposition. |  |
| 2 Refused interview | Give final disposition after second refusal or when a first-time refusal  will not be called a second time | |
| 3 Non-working number | Usually recognized by a recording or fast-busy signal. Includes  "number changed" recordings and numbers that "bridge." Call operator or repair service when in doubt. Give final disposition. | |
| 4 Ring no answer | A normal telephone ring which no one answers (answering machines do not count as an answer) to be given final disposition only after (1) 5  calling occasions (each consisting of 3 attempts), and (2) the 5 occasions have a mixture of weekday, weeknight, and weekend calls.  If possible, contact the phone company repair service to verify the  number is in service. | |
| 5 Not a private residence | The person answering identifies the telephone number as a business  or says "no" when asked, "Is this a private residence?" Also use this disposition for institutions (government offices, educational facilities, dormitories, nursing homes, hospitals, prisons, etc.), group homes (fraternities and sororities, half-way houses, shelters, etc.), pagers, fax machines, and computer modems. Give final disposition. | |
| 6 No eligible respondent at  this number | The household does not include anyone 18 years of age or older (this  does not mean the adults are away temporarily). Give final disposition. | |
| 7 Selected respondent not  available during the interviewing period | The selected respondent will not be available or could not be reached  during the time you have allotted for the month's interviewing. Give final disposition only when respondent's unavailability is certain or when the same calling requirements for ring-no-answers and busies have been met. | |
| 8 Language barrier | The selected respondent does not speak English well enough to be interviewed, and there is not a translated questionnaire and interviewer  available for the respective language. Give final disposition. | |
| 9 Interview terminated  within questionnaire | A "hang up" at some point after the first question has been asked (this  does not mean the respondent refused a particular question). Make another attempt to complete questionnaire. Give final disposition if second attempt unsuccessful. If after a second attempt the  respondent has completed the interview at least through the age, race, and sex questions, recode as a completed interview. | |
| 10 Line busy | To be given final disposition only after (1) 5 calling occasions (each  consisting of 3 attempts at > 10 minute intervals), and (2) the 5 occasions have a mixture of weekday, weeknight, and weekend calls. If possible, contact the phone company repair service to verify the number is in service. | |
| 11 Respondent unable to  communicate due to physical or mental  impairment | Example: respondent is deaf. Give final disposition | |
| 12 Technological barrier  (Answering machine, call blocking, etc.) | To be given final disposition only after (a) 5 calling occasions (each  consisting of 3 attempts), and (b) the 5 occasions have a mixture of weekday, weeknight, and weekend calls. One or more attempts reached an answering machine, call blocking, or other automated response but no person was ever spoken to. | |
| 13 On “never call” list | To be assigned to (those few) phone numbers where the BRFSS State  Coordinator has determined that a phone number should not be called. | |
| 14 Hang-up or termination | Give final disposition after second hang-up or refusal or when a first- | |

before respondent selection

time hang-up or refusal will not be called a second time.

2001 Summary Data Quality Report 6

Table 3. BRFSS CASRO & Cooperation Rates, By State, 2001

|  |  |  |
| --- | --- | --- |
| State | CASRO | COOPERATION |
| AK | 56.7% | 57.4% |
| AL | 54.4% | 56.0% |
| AR | 46.4% | 47.0% |
| AZ | 48.9% | 50.0% |
| CA | 38.0% | 42.0% |
| CO | 52.1% | 53.1% |
| CT | 39.0% | 39.7% |
| DC | 36.8% | 37.5% |
| DE | 47.3% | 48.0% |
| FL | 40.1% | 41.1% |
| GA | 37.9% | 38.6% |
| GU | 54.3% | 54.9% |
| HI | 70.8% | 72.9% |
| IA | 59.4% | 60.5% |
| ID | 54.3% | 55.1% |
| IL | 45.8% | 46.2% |
| IN | 45.7% | 46.6% |
| KS | 50.3% | 50.8% |
| KY | 56.7% | 56.7% |
| LA | 44.6% | 45.9% |
| MA | 36.7% | 37.2% |
| MD | 37.2% | 37.9% |
| ME | 52.1% | 52.7% |
| MI | 44.2% | 45.1% |
| MN | 62.8% | 64.2% |
| MO | 49.3% | 53.9% |
| MS | 46.6% | 46.9% |
| MT | 70.8% | 71.5% |
| NC | 56.2% | 58.0% |
| ND | 57.5% | 57.9% |
| NE | 61.8% | 62.7% |
| NH | 47.1% | 47.7% |
| NJ | 33.3% | 34.0% |
| NM | 60.6% | 62.3% |
| NV | 58.9% | 61.5% |
| NY | 35.1% | 36.0% |
| OH | 38.9% | 39.5% |
| OK | 60.6% | 61.9% |
| OR | 50.4% | 51.4% |
| PA | 43.3% | 44.2% |
| PR | 81.5% | 81.5% |
| RI | 42.6% | 43.2% |
| SC | 41.7% | 42.5% |
| SD | 66.8% | 67.8% |
| TN | 56.1% | 57.2% |
| TX | 39.7% | 40.4% |
| UT | 70.3% | 71.5% |
| VA | 51.8% | 53.0% |
| VI | 57.7% | 58.9% |
| VT | 52.1% | 52.6% |
| WA | 48.3% | 49.4% |
| WI | 52.3% | 54.1% |
| WV | 64.3% | 65.7% |
| WY | 59.4% | 60.2% |
| Median | 51.1% | 52.7% |
| Minimum | 33.3% | 34.0% |
| Maximum | 81.5% | 81.5% |

Table 4. BRFSS Household Dispositions, Frequency Distribution by State, 2001

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| State | 1 | 2 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | Total |
| AK | 2875 | 678 | 52 | 653 | 133 | 15 | 63 | 550 | 0 | 791 | 5810 |
| AL | 2795 | 645 | 91 | 761 | 39 | 59 | 139 | 488 | 421 | 312 | 5750 |
| AR | 2928 | 755 | 14 | 821 | 78 | 93 | 179 | 337 | 0 | 1630 | 6835 |
| AZ | 3264 | 1071 | 68 | 264 | 109 | 97 | 49 | 658 | 0 | 1830 | 7410 |
| CA | 4257 | 1332 | 114 | 944 | 1177 | 121 | 262 | 3965 | 0 | 3492 | 15664 |
| CO | 2032 | 425 | 47 | 545 | 70 | 13 | 94 | 316 | 0 | 812 | 4354 |
| CT | 7752 | 3511 | 177 | 1387 | 430 | 213 | 254 | 1496 | 0 | 6670 | 21890 |
| DC | 1888 | 565 | 37 | 346 | 135 | 36 | 41 | 595 | 0 | 2195 | 5838 |
| DE | 3514 | 746 | 39 | 1547 | 102 | 65 | 172 | 595 | 0 | 1447 | 8227 |
| FL | 4683 | 1852 | 138 | 434 | 321 | 143 | 90 | 1186 | 0 | 4279 | 13126 |
| GA | 4532 | 1456 | 183 | 2300 | 299 | 248 | 297 | 831 | 0 | 3219 | 13365 |
| GU | 871 | 199 | 18 | 218 | 201 | 22 | 17 | 239 | 0 | 277 | 2062 |
| HI | 4500 | 115 | 0 | 21 | 392 | 59 | 177 | 1106 | 0 | 1479 | 7849 |
| IA | 3635 | 602 | 14 | 1002 | 81 | 11 | 187 | 661 | 0 | 755 | 6948 |
| ID | 4833 | 897 | 32 | 840 | 193 | 105 | 140 | 639 | 0 | 2090 | 9769 |
| IL | 4010 | 979 | 38 | 722 | 237 | 37 | 259 | 402 | 0 | 2925 | 9609 |
| IN | 3993 | 1042 | 23 | 1077 | 51 | 74 | 119 | 649 | 0 | 2383 | 9411 |
| KS | 4601 | 1011 | 51 | 644 | 93 | 44 | 82 | 476 | 0 | 2757 | 9759 |
| KY | 7532 | 692 | 168 | 3380 | 137 | 25 | 805 | 24 | 0 | 1644 | 14407 |
| LA | 5003 | 1489 | 154 | 1495 | 78 | 167 | 298 | 1358 | 0 | 2739 | 12781 |
| MA | 8628 | 4338 | 151 | 1442 | 801 | 294 | 344 | 2009 | 0 | 8472 | 26479 |
| MD | 4472 | 1859 | 72 | 803 | 206 | 74 | 137 | 1024 | 0 | 4594 | 13241 |
| ME | 2420 | 785 | 40 | 243 | 26 | 18 | 95 | 241 | 0 | 1129 | 4997 |
| MI | 3830 | 847 | 88 | 696 | 132 | 98 | 182 | 731 | 0 | 3029 | 9633 |
| MN | 3965 | 472 | 75 | 835 | 93 | 17 | 98 | 656 | 0 | 891 | 7102 |
| MO | 4178 | 813 | 40 | 1010 | 34 | 159 | 139 | 3153 | 225 | 1361 | 11112 |
| MS | 3043 | 732 | 66 | 1472 | 40 | 110 | 233 | 189 | 0 | 1126 | 7011 |
| MT | 3338 | 454 | 82 | 531 | 10 | 8 | 184 | 280 | 22 | 317 | 5226 |
| NC | 6205 | 1020 | 71 | 1135 | 242 | 74 | 218 | 1356 | 0 | 2261 | 12582 |
| ND | 2510 | 499 | 16 | 453 | 13 | 32 | 82 | 183 | 0 | 842 | 4630 |
| NE | 3699 | 455 | 76 | 403 | 28 | 16 | 47 | 471 | 0 | 1324 | 6519 |
| NH | 4068 | 1416 | 57 | 472 | 77 | 36 | 111 | 553 | 0 | 2529 | 9319 |
| NJ | 6018 | 3226 | 258 | 1617 | 1017 | 222 | 203 | 1590 | 0 | 6609 | 20760 |
| NM | 3621 | 474 | 28 | 817 | 30 | 61 | 112 | 668 | 0 | 838 | 6649 |
| NV | 2573 | 211 | 35 | 126 | 333 | 3 | 89 | 1153 | 0 | 1271 | 5794 |
| NY | 3899 | 1910 | 47 | 859 | 570 | 73 | 185 | 1018 | 0 | 4102 | 12663 |
| OH | 3433 | 1667 | 48 | 506 | 65 | 92 | 134 | 592 | 0 | 2988 | 9525 |
| OK | 4550 | 732 | 76 | 770 | 10 | 56 | 82 | 764 | 1 | 1239 | 8280 |
| OR | 2536 | 518 | 23 | 547 | 34 | 43 | 75 | 403 | 0 | 1292 | 5471 |
| PA | 3661 | 955 | 39 | 1097 | 105 | 75 | 144 | 707 | 0 | 2495 | 9278 |
| PR | 4236 | 243 | 3 | 712 | 2 | 5 | 204 | 0 | 0 | 0 | 5405 |
| RI | 4120 | 1671 | 71 | 643 | 227 | 104 | 170 | 556 | 0 | 3002 | 10564 |
| SC | 3201 | 1524 | 70 | 556 | 58 | 100 | 147 | 515 | 0 | 2158 | 8329 |
| SD | 5119 | 703 | 57 | 590 | 33 | 44 | 91 | 724 | 0 | 1096 | 8457 |
| TN | 2924 | 196 | 111 | 42 | 52 | 22 | 161 | 409 | 0 | 1927 | 5844 |
| TX | 5916 | 1485 | 75 | 2821 | 111 | 113 | 268 | 1282 | 0 | 4303 | 16374 |
| UT | 3656 | 343 | 26 | 643 | 126 | 30 | 77 | 451 | 0 | 440 | 5792 |
| VA | 2939 | 615 | 7 | 626 | 213 | 81 | 140 | 523 | 0 | 1282 | 6426 |
| VI | 2263 | 306 | 38 | 715 | 44 | 76 | 88 | 343 | 0 | 479 | 4352 |
| VT | 4301 | 1345 | 87 | 435 | 23 | 37 | 122 | 529 | 0 | 2053 | 8932 |
| WA | 4207 | 1177 | 119 | 662 | 391 | 76 | 209 | 952 | 0 | 2386 | 10179 |
| WI | 3351 | 1072 | 13 | 49 | 30 | 135 | 52 | 812 | 0 | 1584 | 7098 |
| WV | 3093 | 373 | 32 | 543 | 5 | 30 | 127 | 358 | 0 | 666 | 5227 |
| WY | 3039 | 494 | 9 | 571 | 37 | 30 | 76 | 330 | 0 | 911 | 5497 |
| Cumulative | 212510 | 54992 | 3564 | 44843 | 9574 | 4091 | 8550 | 42096 | 669 | 114722 | 495611 |
| Median | 3765 | 770 | 52 | 679 | 93 | 63 | 139 | 595 | 0 | 1637 | 8254 |

Table 5. BRFSS Call Dispositions, Listed Telephone Numbers, Frequency Distribution by State, 2001\*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| State | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | Total |
| AK | 1854 | 426 | 1126 | 207 | 347 | 28 | 379 | 81 | 9 | 55 | 42 | 227 | 0 | 486 | 5267 |
| AL | 1942 | 456 | 850 | 82 | 241 | 64 | 444 | 19 | 36 | 11 | 109 | 142 | 284 | 211 | 4891 |
| AR | 2135 | 580 | 1241 | 182 | 251 | 8 | 563 | 57 | 73 | 9 | 149 | 176 | 0 | 1182 | 6606 |
| AZ | 1846 | 583 | 1691 | 203 | 353 | 41 | 130 | 49 | 54 | 27 | 30 | 262 | 0 | 913 | 6182 |
| CA | 2186 | 690 | 1429 | 273 | 945 | 32 | 431 | 521 | 60 | 23 | 146 | 630 | 0 | 1430 | 8796 |
| CO | 1172 | 260 | 686 | 97 | 282 | 19 | 297 | 26 | 8 | 13 | 56 | 166 | 0 | 487 | 3569 |
| CT | 5465 | 2475 | 3132 | 557 | 1173 | 90 | 888 | 264 | 129 | 37 | 196 | 729 | 0 | 4284 | 19419 |
| DC | 960 | 270 | 841 | 97 | 179 | 9 | 160 | 56 | 11 | 1 | 22 | 142 | 0 | 588 | 3336 |
| DE | 2380 | 480 | 834 | 429 | 719 | 14 | 900 | 56 | 39 | 27 | 104 | 371 | 0 | 892 | 7245 |
| FL | 2767 | 1082 | 3102 | 415 | 889 | 85 | 245 | 156 | 82 | 6 | 61 | 465 | 0 | 2259 | 11614 |
| GA | 2844 | 968 | 2279 | 292 | 838 | 94 | 1127 | 163 | 152 | 22 | 213 | 389 | 0 | 2059 | 11440 |
| HI | 2455 | 44 | 1475 | 761 | 707 | 0 | 9 | 180 | 19 | 7 | 114 | 376 | 0 | 756 | 6903 |
| IA | 2930 | 496 | 1229 | 201 | 244 | 5 | 720 | 38 | 10 | 17 | 152 | 386 | 0 | 598 | 7026 |
| ID | 3696 | 687 | 1693 | 248 | 482 | 23 | 610 | 110 | 74 | 9 | 112 | 348 | 0 | 1610 | 9702 |
| IL | 2394 | 566 | 1182 | 188 | 310 | 13 | 365 | 128 | 18 | 0 | 179 | 168 | 0 | 1556 | 7067 |
| IN | 2853 | 757 | 1405 | 225 | 424 | 16 | 710 | 28 | 52 | 11 | 88 | 354 | 0 | 1684 | 8607 |
| KS | 3456 | 747 | 1597 | 207 | 481 | 19 | 430 | 64 | 27 | 28 | 67 | 213 | 0 | 1934 | 9270 |
| KY | 5404 | 513 | 2719 | 403 | 533 | 102 | 1963 | 76 | 20 | 11 | 597 | 13 | 0 | 1178 | 13532 |
| LA | 3424 | 1043 | 2415 | 464 | 632 | 79 | 978 | 49 | 112 | 19 | 226 | 668 | 0 | 1836 | 11945 |
| MA | 5503 | 2783 | 3388 | 625 | 1199 | 88 | 861 | 447 | 174 | 52 | 251 | 764 | 0 | 4815 | 20950 |
| MD | 2843 | 1147 | 1714 | 440 | 582 | 34 | 443 | 98 | 39 | 21 | 97 | 418 | 0 | 2428 | 10304 |
| ME | 1957 | 642 | 966 | 337 | 322 | 32 | 185 | 18 | 13 | 16 | 82 | 161 | 0 | 843 | 5574 |
| MI | 2552 | 600 | 1252 | 424 | 419 | 45 | 440 | 86 | 59 | 0 | 133 | 383 | 0 | 1993 | 8386 |
| MN | 2984 | 375 | 1030 | 201 | 323 | 31 | 556 | 40 | 10 | 21 | 83 | 236 | 0 | 622 | 6512 |
| MO | 3005 | 580 | 1054 | 302 | 454 | 15 | 655 | 18 | 108 | 29 | 115 | 378 | 131 | 924 | 7768 |
| MS | 2241 | 545 | 1318 | 137 | 330 | 31 | 721 | 25 | 83 | 7 | 197 | 90 | 0 | 828 | 6553 |
| MT | 2534 | 337 | 1177 | 143 | 291 | 47 | 360 | 5 | 8 | 0 | 137 | 131 | 13 | 222 | 5405 |
| NC | 4017 | 675 | 2046 | 345 | 647 | 33 | 630 | 133 | 43 | 28 | 141 | 534 | 0 | 1443 | 10715 |
| ND | 2023 | 408 | 891 | 103 | 154 | 10 | 337 | 9 | 27 | 1 | 64 | 91 | 0 | 689 | 4807 |
| NE | 2785 | 322 | 1298 | 79 | 428 | 43 | 257 | 15 | 8 | 9 | 40 | 186 | 0 | 834 | 6304 |
| NH | 3068 | 1072 | 1439 | 486 | 608 | 42 | 348 | 55 | 21 | 13 | 93 | 333 | 0 | 1746 | 9324 |
| NJ | 3114 | 1660 | 2365 | 570 | 878 | 82 | 759 | 524 | 100 | 16 | 110 | 544 | 0 | 3107 | 13829 |
| NM | 2266 | 306 | 1081 | 166 | 291 | 9 | 483 | 16 | 38 | 9 | 73 | 337 | 0 | 546 | 5621 |
| NV | 936 | 85 | 597 | 232 | 695 | 5 | 39 | 91 | 1 | 47 | 37 | 338 | 0 | 430 | 3533 |
| NY | 2471 | 1198 | 1695 | 377 | 564 | 26 | 504 | 333 | 44 | 23 | 121 | 378 | 0 | 2331 | 10065 |
| OH | 2172 | 1060 | 1265 | 178 | 341 | 23 | 288 | 37 | 48 | 5 | 93 | 269 | 0 | 1673 | 7452 |
| OK | 3237 | 540 | 1499 | 237 | 271 | 35 | 490 | 5 | 47 | 24 | 68 | 210 | 0 | 866 | 7529 |
| OR | 1525 | 324 | 788 | 118 | 259 | 14 | 317 | 19 | 31 | 7 | 47 | 182 | 0 | 765 | 4396 |
| PA | 2504 | 650 | 719 | 247 | 457 | 18 | 629 | 62 | 52 | 13 | 100 | 350 | 0 | 1622 | 7423 |
| RI | 2794 | 1169 | 1601 | 266 | 516 | 45 | 430 | 160 | 70 | 16 | 129 | 301 | 0 | 1926 | 9423 |
| SC | 2059 | 1009 | 1750 | 214 | 402 | 41 | 328 | 29 | 64 | 44 | 118 | 228 | 0 | 1387 | 7673 |
| SD | 4032 | 572 | 2163 | 261 | 342 | 32 | 394 | 16 | 35 | 14 | 74 | 470 | 0 | 850 | 9255 |
| TN | 1461 | 101 | 971 | 168 | 216 | 57 | 19 | 28 | 10 | 4 | 93 | 179 | 0 | 964 | 4271 |
| TX | 3535 | 898 | 2834 | 546 | 761 | 38 | 1519 | 57 | 67 | 19 | 189 | 503 | 0 | 2595 | 13561 |
| UT | 2479 | 248 | 937 | 181 | 193 | 13 | 375 | 50 | 15 | 30 | 57 | 131 | 0 | 285 | 4994 |
| VA | 1984 | 432 | 755 | 150 | 271 | 3 | 361 | 124 | 58 | 17 | 106 | 207 | 0 | 848 | 5316 |
| VT | 3601 | 1138 | 1806 | 480 | 641 | 72 | 362 | 18 | 25 | 5 | 109 | 348 | 0 | 1655 | 10260 |
| WA | 2643 | 751 | 1647 | 130 | 595 | 31 | 368 | 199 | 43 | 16 | 143 | 272 | 0 | 1364 | 8202 |
| WI | 2500 | 808 | 1057 | 162 | 358 | 10 | 27 | 15 | 94 | 0 | 47 | 252 | 0 | 1151 | 6481 |
| WV | 2558 | 297 | 552 | 181 | 200 | 23 | 405 | 2 | 26 | 9 | 110 | 171 | 0 | 513 | 5047 |
| WY | 2368 | 384 | 1108 | 106 | 249 | 7 | 402 | 18 | 21 | 7 | 66 | 183 | 0 | 690 | 5609 |
| Cumulative | 137914 | 36239 | 75689 | 14123 | 24287 | 1776 | 25641 | 4873 | 2467 | 855 | 5986 | 15783 | 428 | 68898 | 414959 |
| Median | 2534 | 580 | 1298 | 225 | 419 | 31 | 430 | 55 | 39 | 14 | 106 | 272 | 0 | 1151 | 7423 |

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

Table 6. Percentage of Females in BRFSS and Population Data by State, 2001

|  |  |  |  |
| --- | --- | --- | --- |
| State | BRFSS Percent | Population Percent | Difference |
| Tennessee | 67.37 | 52.53 | 14.85 |
| Puerto Rico | 64.12 | 52.95 | 11.17 |
| Georgia | 61.98 | 52.08 | 9.90 |
| Nebraska | 61.56 | 51.88 | 9.67 |
| Louisiana | 62.28 | 52.63 | 9.65 |
| Alabama | 62.43 | 52.81 | 9.63 |
| Rhode Island | 62.38 | 52.79 | 9.59 |
| Mississippi | 62.31 | 52.92 | 9.39 |
| North Carolina | 61.61 | 52.23 | 9.38 |
| Arkansas | 61.68 | 52.50 | 9.18 |
| California | 59.53 | 50.41 | 9.12 |
| Delaware | 61.27 | 52.27 | 9.00 |
| Oklahoma | 60.99 | 52.09 | 8.90 |
| Kentucky | 61.15 | 52.28 | 8.87 |
| Guam | 56.14 | 47.53 | 8.62 |
| Michigan | 60.37 | 52.11 | 8.25 |
| Ohio | 60.65 | 52.56 | 8.09 |
| Kansas | 59.64 | 51.58 | 8.06 |
| South Carolina | 60.36 | 52.40 | 7.96 |
| Missouri | 60.44 | 52.48 | 7.95 |
| Arizona | 58.88 | 51.19 | 7.70 |
| West Virginia | 60.30 | 52.74 | 7.56 |
| Texas | 58.81 | 51.33 | 7.48 |
| Indiana | 59.58 | 52.20 | 7.38 |
| Hawaii | 56.96 | 49.63 | 7.33 |
| Washington | 58.24 | 51.05 | 7.18 |
| Maryland | 59.26 | 52.17 | 7.09 |
| New Mexico | 58.52 | 51.47 | 7.05 |
| New Jersey | 59.37 | 52.32 | 7.05 |
| Oregon | 58.48 | 51.43 | 7.05 |
| Illinois | 59.03 | 52.05 | 6.98 |
| Iowa | 59.15 | 52.19 | 6.96 |
| Florida | 59.13 | 52.23 | 6.90 |
| North Dakota | 57.53 | 50.66 | 6.87 |
| Vermont | 58.38 | 51.66 | 6.72 |
| Pennsylvania | 59.52 | 52.80 | 6.72 |
| Virgin Islands | 61.29 | 54.75 | 6.54 |
| Colorado | 57.48 | 51.01 | 6.47 |
| Connecticut | 58.68 | 52.24 | 6.44 |
| South Dakota | 57.71 | 51.39 | 6.32 |
| Montana | 57.37 | 51.18 | 6.19 |
| Idaho | 57.17 | 50.99 | 6.18 |
| Massachusetts | 58.73 | 52.57 | 6.16 |
| Virginia | 57.77 | 51.63 | 6.14 |
| Wyoming | 56.60 | 50.57 | 6.03 |
| New Hampshire | 57.52 | 51.53 | 6.00 |
| New York | 58.66 | 52.78 | 5.88 |
| Minnesota | 57.15 | 51.49 | 5.66 |
| Maine | 57.48 | 51.95 | 5.53 |
| Alaska | 52.73 | 47.98 | 4.75 |
| District of Columbia | 58.53 | 54.12 | 4.41 |
| Wisconsin | 55.86 | 51.70 | 4.17 |
| Utah | 54.79 | 51.22 | 3.57 |
| Nevada | 49.13 | 49.75 | -0.62 |
| Median | 59.08 | 52.08 | 7.07 |

Table 7. Percentage of People Aged 18–24 In BRFSS and Population Data by State, 2001

|  |  |  |  |
| --- | --- | --- | --- |
| State | BRFSS Percent | Population Percent | Difference |
| Florida | 8.39 | 9.86 | -1.47 |
| Missouri | 11.06 | 12.57 | -1.51 |
| Colorado | 10.48 | 12.02 | -1.54 |
| Oregon | 9.54 | 11.74 | -2.20 |
| Louisiana | 11.71 | 14.01 | -2.30 |
| Nevada | 8.78 | 11.17 | -2.38 |
| Guam | 13.32 | 15.77 | -2.45 |
| Alaska | 10.43 | 12.99 | -2.56 |
| Arizona | 9.96 | 12.72 | -2.76 |
| California | 9.82 | 12.62 | -2.80 |
| Idaho | 10.06 | 13.03 | -2.97 |
| Utah | 12.86 | 15.84 | -2.98 |
| North Dakota | 11.35 | 14.36 | -3.00 |
| Washington | 9.01 | 12.11 | -3.10 |
| District of Columbia | 9.27 | 12.45 | -3.18 |
| Ohio | 9.64 | 12.88 | -3.24 |
| Wyoming | 8.95 | 12.24 | -3.29 |
| New Jersey | 7.49 | 10.96 | -3.46 |
| Illinois | 9.20 | 12.70 | -3.49 |
| Nebraska | 9.46 | 12.98 | -3.52 |
| Wisconsin | 9.34 | 12.94 | -3.60 |
| Kansas | 9.48 | 13.14 | -3.67 |
| New York | 8.18 | 11.86 | -3.68 |
| Arkansas | 8.85 | 12.73 | -3.88 |
| Tennessee | 8.79 | 12.76 | -3.97 |
| Texas | 9.57 | 13.61 | -4.04 |
| Indiana | 9.37 | 13.51 | -4.14 |
| New Mexico | 8.62 | 12.85 | -4.23 |
| Oklahoma | 8.79 | 13.04 | -4.25 |
| Georgia | 9.11 | 13.40 | -4.28 |
| Pennsylvania | 7.92 | 12.22 | -4.30 |
| Maryland | 7.33 | 11.69 | -4.36 |
| North Carolina | 8.83 | 13.22 | -4.39 |
| Connecticut | 6.93 | 11.36 | -4.43 |
| Alabama | 9.05 | 13.49 | -4.43 |
| Minnesota | 7.92 | 12.37 | -4.45 |
| Hawaii | 7.36 | 11.82 | -4.46 |
| Virginia | 8.34 | 12.83 | -4.50 |
| Delaware | 8.65 | 13.29 | -4.64 |
| Iowa | 8.56 | 13.25 | -4.70 |
| Michigan | 8.43 | 13.14 | -4.70 |
| Montana | 7.34 | 12.10 | -4.76 |
| South Carolina | 8.62 | 13.76 | -5.14 |
| Massachusetts | 7.66 | 12.82 | -5.16 |
| South Dakota | 7.93 | 13.23 | -5.30 |
| Kentucky | 7.54 | 13.15 | -5.61 |
| Virgin Islands | 9.15 | 14.88 | -5.73 |
| New Hampshire | 6.93 | 12.85 | -5.92 |
| Mississippi | 8.84 | 14.76 | -5.92 |
| Maine | 6.57 | 12.52 | -5.95 |
| West Virginia | 6.53 | 12.59 | -6.06 |
| Rhode Island | 6.60 | 13.09 | -6.49 |
| Vermont | 7.02 | 13.84 | -6.81 |
| Puerto Rico | 8.81 | 17.35 | -8.54 |
| Median | 8.82 | 12.86 | -4.19 |

Table 8. Percentage of People Aged 25–34 in BRFSS and Population Data, by State, 2001

|  |  |  |  |
| --- | --- | --- | --- |
| State | BRFSS Percent | Population Percent | Difference |
| Guam | 26.29 | 21.15 | 5.14 |
| District of Columbia | 22.62 | 18.92 | 3.69 |
| New York | 20.52 | 17.91 | 2.61 |
| Massachusetts | 19.94 | 17.71 | 2.23 |
| New Jersey | 19.43 | 17.58 | 1.85 |
| Colorado | 20.62 | 19.03 | 1.59 |
| Oregon | 18.73 | 17.14 | 1.59 |
| Utah | 20.95 | 19.51 | 1.44 |
| Indiana | 18.31 | 17.50 | 0.81 |
| Illinois | 19.00 | 18.21 | 0.79 |
| Washington | 18.75 | 17.98 | 0.78 |
| North Carolina | 18.65 | 18.16 | 0.49 |
| Kansas | 18.21 | 17.77 | 0.45 |
| Tennessee | 18.09 | 17.67 | 0.43 |
| Mississippi | 19.09 | 18.71 | 0.38 |
| Connecticut | 17.31 | 16.98 | 0.33 |
| South Carolina | 18.78 | 18.51 | 0.27 |
| California | 19.71 | 19.58 | 0.13 |
| Wisconsin | 17.43 | 17.43 | 0.00 |
| Idaho | 17.77 | 17.82 | -0.04 |
| Rhode Island | 16.63 | 16.71 | -0.08 |
| Virgin Islands | 18.74 | 18.84 | -0.10 |
| Georgia | 19.46 | 19.61 | -0.15 |
| Pennsylvania | 16.14 | 16.44 | -0.30 |
| Ohio | 17.04 | 17.36 | -0.32 |
| Vermont | 16.51 | 16.91 | -0.40 |
| Texas | 19.88 | 20.29 | -0.41 |
| Florida | 16.31 | 16.75 | -0.44 |
| Louisiana | 18.41 | 19.01 | -0.60 |
| Alabama | 17.35 | 18.03 | -0.68 |
| Kentucky | 16.52 | 17.51 | -0.99 |
| Minnesota | 17.73 | 18.79 | -1.06 |
| Arkansas | 16.29 | 17.42 | -1.13 |
| Virginia | 17.49 | 18.80 | -1.31 |
| West Virginia | 15.10 | 16.43 | -1.34 |
| North Dakota | 16.18 | 17.60 | -1.42 |
| Nevada | 16.48 | 18.05 | -1.57 |
| Hawaii | 17.09 | 18.69 | -1.60 |
| Maryland | 16.91 | 18.53 | -1.62 |
| Nebraska | 15.90 | 17.53 | -1.63 |
| Delaware | 16.02 | 17.80 | -1.78 |
| Michigan | 16.11 | 17.94 | -1.83 |
| New Hampshire | 16.32 | 18.18 | -1.86 |
| Oklahoma | 15.82 | 17.69 | -1.87 |
| Maine | 14.88 | 16.90 | -2.02 |
| Wyoming | 16.03 | 18.15 | -2.13 |
| Iowa | 14.53 | 16.76 | -2.23 |
| Arizona | 16.33 | 18.59 | -2.26 |
| Missouri | 14.96 | 17.46 | -2.50 |
| Montana | 13.75 | 16.92 | -3.17 |
| South Dakota | 14.16 | 17.61 | -3.45 |
| Puerto Rico | 15.53 | 19.23 | -3.70 |
| Alaska | 17.81 | 21.59 | -3.78 |
| New Mexico | 15.30 | 19.28 | -3.98 |
| Median | 17.33 | 17.93 | -0.42 |

|  |  |  |  |
| --- | --- | --- | --- |
| State | BRFSS Percent | Population Percent | Difference |
| Wisconsin | 24.11 | 20.38 | 3.74 |
| Rhode Island | 23.88 | 20.71 | 3.18 |
| New Hampshire | 24.63 | 21.61 | 3.03 |
| North Dakota | 21.63 | 19.41 | 2.22 |
| Massachusetts | 22.96 | 20.83 | 2.13 |
| New Jersey | 22.98 | 21.02 | 1.96 |
| Ohio | 21.91 | 19.98 | 1.92 |
| Guam | 25.60 | 23.75 | 1.85 |
| Minnesota | 22.55 | 20.70 | 1.85 |
| Virgin Islands | 21.79 | 20.08 | 1.71 |
| New York | 22.49 | 20.90 | 1.59 |
| Maine | 21.98 | 20.56 | 1.42 |
| West Virginia | 19.56 | 18.20 | 1.36 |
| Texas | 22.55 | 21.33 | 1.22 |
| Maryland | 23.52 | 22.37 | 1.16 |
| Michigan | 21.67 | 20.53 | 1.14 |
| Kansas | 21.43 | 20.31 | 1.12 |
| South Dakota | 20.51 | 19.42 | 1.09 |
| Connecticut | 22.34 | 21.27 | 1.07 |
| Georgia | 22.73 | 21.70 | 1.03 |
| Arkansas | 19.71 | 18.68 | 1.03 |
| Hawaii | 21.53 | 20.54 | 0.99 |
| Iowa | 19.72 | 18.76 | 0.96 |
| Tennessee | 21.07 | 20.14 | 0.93 |
| Virginia | 22.56 | 21.63 | 0.93 |
| South Carolina | 21.12 | 20.34 | 0.78 |
| Idaho | 20.77 | 20.01 | 0.77 |
| Indiana | 20.79 | 20.03 | 0.75 |
| Colorado | 23.67 | 22.94 | 0.73 |
| Alabama | 20.18 | 19.50 | 0.68 |
| Alaska | 26.12 | 25.49 | 0.63 |
| Delaware | 21.14 | 20.51 | 0.63 |
| Vermont | 21.58 | 20.99 | 0.59 |
| Washington | 22.22 | 21.65 | 0.57 |
| Puerto Rico | 19.17 | 18.60 | 0.57 |
| Pennsylvania | 19.91 | 19.48 | 0.43 |
| North Carolina | 20.77 | 20.35 | 0.42 |
| Nevada | 22.23 | 21.81 | 0.42 |
| Mississippi | 19.78 | 19.38 | 0.41 |
| Nebraska | 19.95 | 19.76 | 0.20 |
| Oklahoma | 19.56 | 19.50 | 0.06 |
| Florida | 19.03 | 19.01 | 0.02 |
| Louisiana | 20.51 | 20.53 | -0.03 |
| Montana | 19.74 | 19.90 | -0.16 |
| Illinois | 20.65 | 20.82 | -0.17 |
| Kentucky | 19.76 | 20.12 | -0.36 |
| California | 22.03 | 22.48 | -0.45 |
| Utah | 20.92 | 21.43 | -0.50 |
| New Mexico | 20.71 | 21.50 | -0.79 |
| Wyoming | 20.24 | 21.10 | -0.86 |
| Missouri | 18.81 | 19.92 | -1.11 |
| Oregon | 19.01 | 20.70 | -1.70 |
| Arizona | 17.98 | 20.52 | -2.53 |
| District of Columbia | 18.96 | 21.81 | -2.85 |
| Median | 21.13 | 20.53 | 0.76 |

|  |  |  |  |
| --- | --- | --- | --- |
| State | BRFSS Percent | Population Percent | Difference |
| Alaska | 24.00 | 19.64 | 4.36 |
| Hawaii | 22.33 | 18.50 | 3.84 |
| Vermont | 23.32 | 19.65 | 3.67 |
| Wyoming | 23.72 | 20.11 | 3.62 |
| Montana | 22.53 | 19.74 | 2.79 |
| Michigan | 21.49 | 19.08 | 2.41 |
| New Mexico | 20.68 | 18.44 | 2.24 |
| Virgin Islands | 21.65 | 19.57 | 2.08 |
| Maine | 21.32 | 19.41 | 1.91 |
| District of Columbia | 20.34 | 18.48 | 1.86 |
| North Dakota | 19.84 | 18.07 | 1.77 |
| Arkansas | 19.71 | 17.99 | 1.71 |
| Alabama | 20.25 | 18.59 | 1.66 |
| Puerto Rico | 18.30 | 16.77 | 1.52 |
| Virginia | 20.79 | 19.36 | 1.43 |
| Washington | 21.04 | 19.65 | 1.39 |
| Rhode Island | 19.47 | 18.20 | 1.26 |
| Pennsylvania | 19.58 | 18.45 | 1.14 |
| Georgia | 20.10 | 18.97 | 1.13 |
| West Virginia | 20.37 | 19.24 | 1.13 |
| South Carolina | 20.03 | 18.95 | 1.07 |
| Kansas | 19.26 | 18.24 | 1.02 |
| South Dakota | 19.12 | 18.11 | 1.02 |
| Maryland | 20.53 | 19.63 | 0.90 |
| New Hampshire | 20.26 | 19.36 | 0.89 |
| Mississippi | 18.76 | 17.91 | 0.85 |
| Florida | 18.15 | 17.32 | 0.84 |
| Wisconsin | 19.70 | 18.91 | 0.79 |
| Illinois | 19.48 | 18.76 | 0.72 |
| Delaware | 19.10 | 18.39 | 0.71 |
| Nevada | 20.68 | 19.98 | 0.69 |
| Indiana | 19.56 | 18.96 | 0.60 |
| Missouri | 18.81 | 18.38 | 0.43 |
| New York | 19.26 | 18.89 | 0.38 |
| Oregon | 20.15 | 19.79 | 0.36 |
| Massachusetts | 19.11 | 18.76 | 0.36 |
| Minnesota | 19.19 | 18.94 | 0.25 |
| Kentucky | 19.17 | 18.97 | 0.20 |
| Ohio | 19.20 | 19.04 | 0.16 |
| Nebraska | 18.57 | 18.59 | -0.02 |
| Oklahoma | 18.35 | 18.43 | -0.08 |
| Louisiana | 18.21 | 18.33 | -0.12 |
| Connecticut | 19.45 | 19.60 | -0.15 |
| Texas | 17.92 | 18.21 | -0.29 |
| Tennessee | 18.91 | 19.25 | -0.34 |
| Iowa | 17.96 | 18.35 | -0.38 |
| Utah | 18.03 | 18.44 | -0.42 |
| New Jersey | 18.79 | 19.33 | -0.53 |
| North Carolina | 18.26 | 18.85 | -0.60 |
| California | 18.35 | 18.99 | -0.64 |
| Arizona | 17.37 | 18.22 | -0.85 |
| Colorado | 18.45 | 19.35 | -0.89 |
| Guam | 17.68 | 18.85 | -1.17 |
| Idaho | 17.98 | 19.41 | -1.43 |
| Median | 19.46 | 18.90 | 0.81 |

|  |  |  |  |
| --- | --- | --- | --- |
| State | BRFSS Percent | Population Percent | Difference |
| Puerto Rico | 15.91 | 12.66 | 3.25 |
| Arizona | 15.07 | 12.01 | 3.07 |
| Kentucky | 15.24 | 12.55 | 2.69 |
| Virgin Islands | 14.27 | 11.86 | 2.42 |
| Tennessee | 14.98 | 12.63 | 2.35 |
| New Mexico | 14.08 | 11.82 | 2.26 |
| Vermont | 14.49 | 12.25 | 2.23 |
| Maine | 14.50 | 12.38 | 2.13 |
| New Hampshire | 13.82 | 12.10 | 1.71 |
| Montana | 14.41 | 12.73 | 1.68 |
| Mississippi | 13.34 | 11.83 | 1.52 |
| Iowa | 13.81 | 12.32 | 1.49 |
| Arkansas | 14.34 | 12.89 | 1.45 |
| Missouri | 14.07 | 12.63 | 1.45 |
| Oklahoma | 14.00 | 12.60 | 1.40 |
| Nevada | 14.15 | 12.84 | 1.31 |
| Michigan | 13.52 | 12.28 | 1.24 |
| South Carolina | 13.25 | 12.07 | 1.18 |
| Pennsylvania | 14.07 | 12.93 | 1.14 |
| Virginia | 13.10 | 12.03 | 1.07 |
| Alaska | 12.24 | 11.18 | 1.06 |
| Texas | 12.59 | 11.54 | 1.05 |
| South Dakota | 12.66 | 11.63 | 1.03 |
| Maryland | 13.22 | 12.22 | 1.00 |
| Louisiana | 12.69 | 11.78 | 0.91 |
| California | 12.14 | 11.28 | 0.86 |
| Connecticut | 13.56 | 12.70 | 0.86 |
| North Carolina | 13.28 | 12.44 | 0.84 |
| Delaware | 13.23 | 12.49 | 0.74 |
| Georgia | 12.56 | 11.87 | 0.68 |
| Wyoming | 13.06 | 12.41 | 0.65 |
| Oregon | 13.25 | 12.60 | 0.65 |
| Utah | 11.41 | 10.79 | 0.62 |
| Illinois | 12.82 | 12.25 | 0.57 |
| Rhode Island | 12.33 | 11.77 | 0.56 |
| Minnesota | 12.61 | 12.10 | 0.51 |
| West Virginia | 13.87 | 13.36 | 0.51 |
| Idaho | 12.83 | 12.44 | 0.38 |
| Alabama | 12.84 | 12.56 | 0.28 |
| Indiana | 12.57 | 12.33 | 0.24 |
| Nebraska | 11.90 | 11.94 | -0.05 |
| Colorado | 11.86 | 11.91 | -0.05 |
| North Dakota | 11.27 | 11.36 | -0.09 |
| Kansas | 11.67 | 11.77 | -0.10 |
| Massachusetts | 11.68 | 11.86 | -0.18 |
| New York | 12.36 | 12.60 | -0.24 |
| Wisconsin | 11.79 | 12.03 | -0.24 |
| District of Columbia | 11.86 | 12.26 | -0.40 |
| Florida | 12.30 | 12.99 | -0.69 |
| Ohio | 11.80 | 12.50 | -0.70 |
| Hawaii | 12.53 | 13.51 | -0.98 |
| Washington | 11.27 | 12.26 | -0.99 |
| Guam | 9.18 | 10.23 | -1.05 |
| New Jersey | 11.30 | 12.87 | -1.57 |
| Median | 12.95 | 12.26 | 0.85 |

Table 12. Percentage of People Aged 65 or Older in BRFSS and Population Data by State, 2001

|  |  |  |  |
| --- | --- | --- | --- |
| State | BRFSS Percent | Population Percent | Difference |
| Puerto Rico | 22.24 | 15.38 | 6.86 |
| South Dakota | 24.67 | 19.99 | 4.68 |
| Nebraska | 23.28 | 19.20 | 4.08 |
| Oklahoma | 22.79 | 18.73 | 4.06 |
| West Virginia | 24.02 | 20.17 | 3.85 |
| New Mexico | 19.94 | 16.12 | 3.82 |
| Iowa | 24.32 | 20.56 | 3.76 |
| Kentucky | 21.35 | 17.70 | 3.65 |
| Arizona | 21.51 | 17.94 | 3.56 |
| Montana | 22.11 | 18.61 | 3.50 |
| Delaware | 20.94 | 17.52 | 3.43 |
| Minnesota | 20.00 | 17.10 | 2.90 |
| California | 17.90 | 15.05 | 2.85 |
| Missouri | 21.52 | 19.03 | 2.48 |
| Idaho | 19.70 | 17.29 | 2.41 |
| North Carolina | 19.19 | 16.96 | 2.23 |
| Mississippi | 19.36 | 17.41 | 1.94 |
| Texas | 16.90 | 15.02 | 1.88 |
| Alabama | 19.46 | 17.83 | 1.63 |
| Maine | 19.79 | 18.24 | 1.55 |
| Nevada | 17.53 | 16.15 | 1.38 |
| Hawaii | 18.20 | 16.95 | 1.25 |
| Wyoming | 17.24 | 15.99 | 1.25 |
| Illinois | 18.43 | 17.27 | 1.16 |
| Utah | 15.13 | 14.00 | 1.13 |
| Maryland | 16.66 | 15.57 | 1.09 |
| Pennsylvania | 21.55 | 20.47 | 1.08 |
| Indiana | 18.51 | 17.67 | 0.84 |
| Louisiana | 17.13 | 16.34 | 0.79 |
| New Hampshire | 16.62 | 15.90 | 0.72 |
| Virginia | 16.06 | 15.34 | 0.72 |
| Michigan | 17.73 | 17.03 | 0.70 |
| Georgia | 15.09 | 14.45 | 0.64 |
| Connecticut | 18.67 | 18.08 | 0.58 |
| Ohio | 18.79 | 18.24 | 0.55 |
| Oregon | 18.57 | 18.02 | 0.55 |
| Washington | 16.83 | 16.36 | 0.47 |
| New Jersey | 18.48 | 18.25 | 0.23 |
| Tennessee | 17.78 | 17.56 | 0.23 |
| Kansas | 18.95 | 18.77 | 0.18 |
| South Carolina | 16.46 | 16.37 | 0.09 |
| Arkansas | 20.25 | 20.29 | -0.04 |
| Florida | 24.00 | 24.07 | -0.07 |
| Rhode Island | 19.34 | 19.52 | -0.17 |
| Vermont | 16.02 | 16.36 | -0.34 |
| North Dakota | 18.65 | 19.20 | -0.55 |
| Alaska | 8.17 | 9.10 | -0.93 |
| Massachusetts | 17.01 | 18.02 | -1.01 |
| Colorado | 13.73 | 14.76 | -1.03 |
| Wisconsin | 17.28 | 18.32 | -1.04 |
| District of Columbia | 14.72 | 16.07 | -1.34 |
| New York | 15.34 | 17.83 | -2.50 |
| Virgin Islands | 11.84 | 14.78 | -2.94 |
| Guam | 6.89 | 10.24 | -3.35 |
| Median | 18.54 | 17.47 | 0.96 |

Table 13. Percentage of White Non-Hispanic People in BRFSS and Population Data\* by State, 2001

|  |  |  |  |
| --- | --- | --- | --- |
| State | BRFSS Percent | Population Percent | Difference |
| Maryland | 74.52 | 64.12 | 10.40 |
| California | 61.38 | 51.72 | 9.66 |
| District of Columbia | 41.05 | 32.24 | 8.80 |
| Nevada | 77.03 | 68.84 | 8.19 |
| New York | 72.19 | 65.10 | 7.09 |
| Hawaii | 36.49 | 29.82 | 6.67 |
| Utah | 91.06 | 86.67 | 4.39 |
| South Carolina | 73.78 | 69.40 | 4.38 |
| Texas | 60.84 | 56.57 | 4.27 |
| Arizona | 73.01 | 68.81 | 4.20 |
| New Mexico | 53.11 | 49.27 | 3.83 |
| Delaware | 78.92 | 75.11 | 3.81 |
| Washington | 86.14 | 82.39 | 3.75 |
| Connecticut | 84.31 | 80.67 | 3.64 |
| Missouri | 89.18 | 85.67 | 3.50 |
| Illinois | 74.50 | 71.24 | 3.26 |
| Georgia | 68.11 | 65.52 | 2.58 |
| Kansas | 88.10 | 85.65 | 2.44 |
| South Dakota | 93.33 | 90.92 | 2.42 |
| Virginia | 74.78 | 72.60 | 2.18 |
| Florida | 70.75 | 68.58 | 2.16 |
| North Carolina | 75.16 | 73.06 | 2.10 |
| Pennsylvania | 87.90 | 85.96 | 1.94 |
| Minnesota | 92.56 | 90.68 | 1.88 |
| Kentucky | 92.14 | 90.54 | 1.60 |
| Colorado | 79.28 | 77.70 | 1.59 |
| Idaho | 91.81 | 90.24 | 1.57 |
| Mississippi | 66.35 | 64.83 | 1.52 |
| Tennessee | 82.87 | 81.50 | 1.37 |
| Wyoming | 92.09 | 90.93 | 1.16 |
| Iowa | 95.24 | 94.15 | 1.09 |
| Louisiana | 66.79 | 65.73 | 1.06 |
| Oklahoma | 79.72 | 78.77 | 0.95 |
| Rhode Island | 86.21 | 85.47 | 0.74 |
| Nebraska | 89.89 | 89.43 | 0.46 |
| Indiana | 87.94 | 87.57 | 0.37 |
| North Dakota | 93.58 | 93.75 | -0.17 |
| Arkansas | 81.43 | 81.64 | -0.21 |
| Oregon | 86.01 | 86.52 | -0.50 |
| Alabama | 72.70 | 73.24 | -0.53 |
| Vermont | 96.06 | 97.19 | -1.13 |
| New Hampshire | 94.63 | 96.03 | -1.40 |
| Michigan | 79.62 | 81.30 | -1.69 |
| Ohio | 83.71 | 85.87 | -2.16 |
| Maine | 94.90 | 97.51 | -2.60 |
| Alaska | 68.80 | 72.61 | -3.81 |
| Wisconsin | 85.99 | 89.83 | -3.84 |
| Massachusetts | 81.32 | 85.17 | -3.85 |
| West Virginia | 89.62 | 95.39 | -5.76 |
| New Jersey | 62.04 | 68.88 | -6.84 |
| Montana | 84.20 | 91.98 | -7.78 |
| Median | 81.43 | 81.50 | 1.59 |

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

\*\*The race variable used in 2001 is completely different than those used in previous years.

Table 14. Percentage of Respondents With Income Response “Unknown” (77), “Refused” (99), and Combined, by State,

2001

|  |  |  |  |
| --- | --- | --- | --- |
| State | Percent Don't  Know/Not sure | Percent Refused | Percent Combined |
| Kentucky | 10.29 | 18.77 | 29.06 |
| Hawaii | 8.02 | 19.67 | 27.69 |
| Tennessee | 10.12 | 17.07 | 27.19 |
| Montana | 9.50 | 13.54 | 23.04 |
| Delaware | 5.66 | 16.28 | 21.94 |
| Oklahoma | 9.36 | 10.37 | 19.74 |
| Nebraska | 6.60 | 12.73 | 19.33 |
| North Carolina | 6.32 | 12.41 | 18.73 |
| Florida | 6.71 | 10.61 | 17.32 |
| Mississippi | 9.76 | 7.23 | 16.99 |
| Arizona | 6.77 | 9.90 | 16.67 |
| New Jersey | 7.05 | 9.41 | 16.45 |
| Connecticut | 5.48 | 10.94 | 16.42 |
| Rhode Island | 6.21 | 10.00 | 16.21 |
| Louisiana | 7.98 | 7.74 | 15.71 |
| Kansas | 6.32 | 9.17 | 15.50 |
| Michigan | 5.95 | 9.45 | 15.40 |
| New York | 5.98 | 9.13 | 15.11 |
| South Carolina | 6.69 | 8.40 | 15.09 |
| Massachusetts | 6.08 | 8.89 | 14.97 |
| Georgia | 7.24 | 7.48 | 14.72 |
| Guam | 9.99 | 4.71 | 14.70 |
| Maine | 6.28 | 8.35 | 14.63 |
| Maryland | 4.18 | 10.13 | 14.31 |
| New Hampshire | 5.46 | 8.41 | 13.86 |
| Ohio | 5.04 | 8.62 | 13.66 |
| Virgin Islands | 9.85 | 3.71 | 13.57 |
| Iowa | 5.25 | 8.31 | 13.56 |
| Alabama | 5.69 | 7.76 | 13.45 |
| District of Columbia | 5.67 | 7.63 | 13.29 |
| West Virginia | 8.76 | 4.43 | 13.19 |
| Minnesota | 7.79 | 5.40 | 13.19 |
| Virginia | 7.49 | 5.34 | 12.83 |
| Missouri | 5.91 | 6.89 | 12.81 |
| South Dakota | 5.67 | 6.68 | 12.35 |
| Nevada | 4.59 | 7.58 | 12.16 |
| Texas | 6.51 | 5.36 | 11.87 |
| Indiana | 5.03 | 6.54 | 11.57 |
| Vermont | 5.12 | 6.44 | 11.56 |
| Pennsylvania | 4.92 | 6.42 | 11.34 |
| Arkansas | 5.77 | 5.53 | 11.30 |
| Washington | 3.87 | 7.39 | 11.27 |
| New Mexico | 6.08 | 4.69 | 10.77 |
| Illinois | 3.94 | 6.63 | 10.57 |
| Puerto Rico | 9.35 | 1.20 | 10.55 |
| Colorado | 4.18 | 6.10 | 10.29 |
| Utah | 4.65 | 5.42 | 10.07 |
| Alaska | 5.77 | 4.17 | 9.95 |
| Idaho | 5.09 | 4.82 | 9.91 |
| Wisconsin | 2.86 | 6.27 | 9.13 |
| Wyoming | 4.18 | 4.71 | 8.88 |
| Oregon | 5.28 | 3.51 | 8.79 |
| California | 2.70 | 5.94 | 8.64 |
| North Dakota | 3.51 | 4.90 | 8.41 |
| Median | 5.97 | 7.53 | 13.57 |