



# **1997 BRFSS SUMMARY QUALITY CONTROL REPORT**



## BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM QUALITY CONTROL DOCUMENTATION

This report provides selected statistical indicators which are monitored in the Behavioral Risk Factor Surveillance System (BRFSS) to detect changes in the quality of the data collection procedures used in states. The value of these indicators is primarily for individual states to identify changes that may occur in their data collection process over time. When the indicators are below the objectives, it is appropriate to review data collection procedures and determine whether the procedures are optimal. When there are no evident procedural deficiencies and the quality indicators are stable, not meeting an objective is not an indication of poor quality. Similarly, it is useful to look at how the indicators differ between states to assess whether data collection procedures are optimal in all states. However, quality indicators that rank lower in one state than in another do not necessarily mean the quality of the data collection effort is also lower.

Additional tables of quality control indicators include those in Section 2 comparing demographic characteristics of BRFSS sample data with that of the population for each state, and Section 3 tables showing non-response rates for selected items from the core and module sections.

### **RESPONSE RATES**

The response rate measures the extent to which interviews were completed from among the telephone numbers selected for the sample. The higher the response rate, the lower the potential will be for bias in the data.

No definitive formula for response rate estimates exists. The two estimates that are used for BRFSS provide a combination of monitoring information that is useful for program management. The formulas for each, translated into BRFSS call disposition codes (see page 8), are as follows:

CASRO: This response rate formula, developed by the Council of American Survey Research Organizations (CASRO), apportions dispositions with unknown eligibility status (ring-no-answer and busy) to dispositions representing eligible respondents in the same proportion as exists among all calls of known status (all other BRFSS call dispositions). The resulting estimate reflects telephone sampling efficiency as well as the degree of cooperation among eligibles contacted.

$$(01+02+07+09) + \frac{01}{(01+02+07+09) + (03+05+06+08+11)} \times (04 + 10)$$

Upper Bound: The most liberal of response rate formulas, the upper bound calculation includes only refusals, terminations, and completed interviews. The resulting estimate reflects the cooperation of eligibles contacted and is not affected by differences in telephone sampling efficiency.

$$\frac{01}{01+02+09}$$

Because the call-back rules are disregarded during wind-down interviewing (see page 3), total response rates for an interviewing period will not accurately reflect performance under the call-back rules during regular mode interviewing. Therefore, the response rate estimates included in this report have been calculated using only the records dispositioned during regular mode interviewing.

### **OTHER IMPORTANT QUALITY CONTROL INDICATORS**

Survey Efficiency: The efficiency rate used for BRFSS is the percentage of all numbers called (excluding numbers rejected during Waksberg prescreening) that resulted in completed interviews. This indicator is directly related to the percent of telephone numbers in the survey area that are assigned to households. The degree to which interviewers adhere to survey procedures and gain respondent cooperation also affects efficiency. This percentage should remain static unless there is a change in the phone companies' assignment of phone numbers in the survey area, a change in sampling design, or a substantial change in interviewer performance.

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Total Telephone Numbers Used

Wind-Down: In order to terminate data collection activities within the allotted time period each month, wind-down procedures (i.e., suspension of the call-back rules) may be necessary with Waksberg sampling. Wind-down is permitted once 95% of the sample has been completed. Each interview completed in the wind-down mode should be coded as such. Generally, if the percentage of wind-down interviews is greater than five percent, the survey supervisor is going into wind-down too early. The greater the proportion of interviews completed in wind-down mode, the greater the potential for bias in the survey results. This is because data collected during wind-down are reflective only of those respondents who are easiest to reach. Respondents who are more difficult to reach may differ significantly from those who are easier to reach.

Refused Interview: The percentage of refusals of total numbers called in a given interviewing period is an indicator of both interviewer performance and degree of potential bias in the survey data. Ten percent<sup>1</sup> refusals or less is a generally accepted standard.

Ring-No-Answer: The percentage of ring-no-answers reflects how many attempts are made and with what time variation on unanswered phone numbers. The objective for ring-no-answers is 10%<sup>1</sup> or less of total numbers called. States that exceed this percentage may not be following prescribed call-back procedures or may be using this disposition inappropriately as a final disposition for a selected respondent who was not interviewed.

Selected Respondent Not Available During the Interviewing Period: This disposition is used most often in wind-down and therefore reflects the proportion of calling done during wind-down. It also reflects the diligence of efforts to contact selected respondents whose availability is limited. The objective for this disposition is 3%<sup>1</sup> or less of total numbers called. Those states that exceed this percentage may need to extend the number of days they interview during the month.

Line Busy: This disposition should be infrequent. The objective is 0.3%<sup>1</sup> or less. A higher percentage than 0.3 may indicate that call-back procedures are not being carefully followed or that this disposition is being used inappropriately as a final disposition for a selected respondent who was not interviewed.

<sup>1</sup>Because this percentage is affected by the efficiency of the sampling methodology (i.e., by the number of nonworking and nonresidential dispositions in the denominator), comparisons between surveys with different sampling methods may not be meaningful. However, for a particular survey, month-to-month and year-to-year changes in this percentage are important to monitor.

Variation in Cluster Size: Variation in size of clusters in Waksberg-Mitofsky designs is an indirect indicator of how the sampling design was implemented. Percentages of records with a cluster size of three are shown for states using Waksberg-Mitofsky designs.

Monitoring Capability: BRFSS protocol specifies that systematic, unobtrusive electronic monitoring be a routine and integral part of monthly survey procedures for all interviewers. Monitoring is considered a valuable tool for training and achieving uniform questionnaire administration, resulting in less bias in the data set. Monitoring of interviewers can provide quick information on features of the respondent recruitment and questioning process that needs improvement. Monitoring capability information is shown for all states as of December, 1997.

## **OTHER DATA QUALITY MEASURES**

BRFSS is developing a quality profile, which is a compendia of all known information about the quality of the data, including aspects of sampling error, coverage, nonresponse, and other indicators of quality. Tables in Section 2 present information on the discrepancy between sample data and population estimates for gender, race, and age. In these tables, the sample data percentage is based upon data weighted by the variable WT1, composed of number of telephones, size of household, and geographic and density stratification. The rationale for using the weighted data is that the factors which go into it are deliberate features of the sample design. Thus, any differences between the raw and WT1 percentages are not considered as bias.

Respondent Sex Distribution: Survey samples with a respondent sex distribution that differs substantially from the population distribution in the survey area may produce biased estimates of risk factor prevalences. A distribution substantially skewed toward females relative to the population surveyed (after adjusting for probability of selection due to number of telephone and number of adults in households) suggests that interviewers may not be interviewing randomly selected respondents.

Respondent Race Distribution: Survey samples with a respondent race distribution that differs substantially from the population distribution in the survey area may produce biased estimates of risk factor prevalences. The discrepancy between the percentage Non-white in the sample and the percentage Non-White in the population is an indicator of racial bias of the sample. The percentage Non-White in the sample is, however, affected by large interstate differences in the protocol for coding the race of Hispanics. For example, Texas and Idaho coded Hispanics as Other race unless they identified themselves as belonging to one of the standard categorical races the first time they

were asked the question. New Mexico, by contrast, probed for one of the standard race categories. Finally, California coded the race of Hispanics as White unless they identified themselves as belonging to one of the other standard races the first time they were asked the question. These differences in protocol significantly affect the percentage Non-white in states with large Hispanic populations and can introduce substantial bias in the race-specific risk factor prevalences for these areas.

Respondent Age Distribution: The discrepancy between the percentage in specific age groups in the sample and the corresponding percentage in the population is an indicator of the age bias of the sample. An age distribution that differs substantially from the population distribution in the survey area may produce biased estimates of risk factor prevalences, particularly since many characteristics of individuals are substantially affected by age. For example, younger persons tend to be healthier than those who are older. Such a discrepancy also suggests that interviewers may not be interviewing randomly selected respondents.

Item Nonresponse: Item non-response rates from completed interviews for selected items from the core questions have been calculated by state, and are shown in Section 3. The assumption is that these measures are an indication of overall interviewing and/or coding quality. The percentages shown are based upon the number of responses coded as missing or refused. On the questionnaire, the code 9 is generally listed as refused, but this code may capture some responses that were supposed to be answered, but for some reason were not, and appeared as a blank or other missing value symbol. These cases have been coded as 9 in order to meet the constraints of processing CATI and editing programs. It is important to note that any survey will have natural variation over sample sites; therefore, some variation between states is to be expected. In evaluating possible measurement error stemming from variation in item missing data rates across states, the goal is to identify outliers in the distribution of the indicators.

## **BRFSS CALL DISPOSITION CODES**

- 01** Completed interview
- 02** Refused interview
- 03** Nonworking number
- 04** Ring-no-answer
- 05** Not a private residence
- 06** No eligible respondent at this number
- 07** Selected respondent not available during the interviewing period
- 08** Language barrier
- 09** Interview terminated within questionnaire
- 10** Line Busy
- 11** Respondent unable to communicate due to physical or mental impairment

BRFSS CALL DISPOSITIONS  
FREQUENCY DISTRIBUTION BY STATE, 1997

|       | 1      |      | 2     |      | 3      |      | 4     |      | 5     |      | 6     |     | 7     |      | 8     |     | 9     |     | 10    |     | 11    |     | TOTAL  |
|-------|--------|------|-------|------|--------|------|-------|------|-------|------|-------|-----|-------|------|-------|-----|-------|-----|-------|-----|-------|-----|--------|
| State | No     | %    | No    | %    | No     | %    | No    | %    | No    | %    | No    | %   | No    | %    | No    | %   | No    | %   | No    | %   | No    | %   | No     |
| AK    | 1545   | 23.3 | 573   | 8.6  | 2013   | 30.4 | 823   | 12.4 | 1036  | 15.6 | 14    | 0.2 | 367   | 5.5  | 42    | 0.6 | 10    | 0.2 | 171   | 2.6 | 31    | 0.5 | 6625   |
| AL    | 2176   | 28.8 | 700   | 9.3  | 1906   | 25.3 | 1096  | 14.5 | 891   | 11.8 | 28    | 0.4 | 468   | 6.2  | 10    | 0.1 | 34    | 0.5 | 112   | 1.5 | 127   | 1.7 | 7548   |
| AR    | 1800   | 20.0 | 487   | 5.4  | 4223   | 47.0 | 738   | 8.2  | 1004  | 11.2 | 349   | 3.9 | 216   | 2.4  | 12    | 0.1 | 0     | 0.0 | 16    | 0.2 | 143   | 1.6 | 8988   |
| AZ    | 1904   | 32.1 | 144   | 2.4  | 1773   | 29.9 | 976   | 16.5 | 831   | 14.0 | 22    | 0.4 | 201   | 3.4  | 17    | 0.3 | 2     | 0.0 | 50    | 0.8 | 9     | 0.2 | 5929   |
| CA    | 4063   | 30.5 | 2195  | 16.5 | 1717   | 12.9 | 1380  | 10.4 | 1585  | 11.9 | 640   | 4.8 | 1245  | 9.4  | 252   | 1.9 | 28    | 0.2 | 28    | 0.2 | 172   | 1.3 | 13305  |
| CO    | 1813   | 29.3 | 547   | 8.8  | 1964   | 31.7 | 594   | 9.6  | 926   | 14.9 | 22    | 0.4 | 239   | 3.9  | 10    | 0.2 | 19    | 0.3 | 13    | 0.2 | 48    | 0.8 | 6195   |
| CT    | 2250   | 20.2 | 769   | 6.9  | 4616   | 41.5 | 848   | 7.6  | 1992  | 17.9 | 39    | 0.4 | 390   | 3.5  | 125   | 1.1 | 0     | 0.0 | 46    | 0.4 | 45    | 0.4 | 11120  |
| DC    | 1505   | 22.6 | 347   | 5.2  | 2241   | 33.7 | 1000  | 15.0 | 1104  | 16.6 | 6     | 0.1 | 218   | 3.3  | 79    | 1.2 | 6     | 0.1 | 30    | 0.5 | 119   | 1.8 | 6655   |
| DE    | 2556   | 29.5 | 619   | 7.1  | 1574   | 18.2 | 1937  | 22.4 | 1366  | 15.8 | 100   | 1.2 | 317   | 3.7  | 34    | 0.4 | 7     | 0.1 | 53    | 0.6 | 100   | 1.2 | 8663   |
| FL    | 3495   | 23.5 | 1999  | 13.4 | 2936   | 19.7 | 2475  | 16.6 | 2445  | 16.4 | 218   | 1.5 | 879   | 5.9  | 103   | 0.7 | 45    | 0.3 | 59    | 0.4 | 224   | 1.5 | 14878  |
| GA    | 2308   | 40.5 | 337   | 5.9  | 1494   | 26.2 | 572   | 10.0 | 742   | 13.0 | 9     | 0.2 | 137   | 2.4  | 28    | 0.5 | 15    | 0.3 | 24    | 0.4 | 35    | 0.6 | 5701   |
| HI    | 2169   | 32.4 | 730   | 10.9 | 458    | 6.8  | 1797  | 26.9 | 111   | 1.7  | 65    | 1.0 | 850   | 12.7 | 253   | 3.8 | 0     | 0.0 | 119   | 1.8 | 137   | 2.0 | 6689   |
| IA    | 3600   | 38.8 | 532   | 5.7  | 2270   | 24.5 | 576   | 6.2  | 1258  | 13.6 | 7     | 0.1 | 762   | 8.2  | 37    | 0.4 | 9     | 0.1 | 15    | 0.2 | 206   | 2.2 | 9272   |
| ID    | 4923   | 24.5 | 2003  | 9.9  | 7412   | 36.8 | 1335  | 6.6  | 3061  | 15.2 | 67    | 0.3 | 710   | 3.5  | 113   | 0.6 | 129   | 0.6 | 62    | 0.3 | 316   | 1.6 | 20131  |
| IL    | 2886   | 21.2 | 1675  | 12.3 | 3108   | 22.8 | 2104  | 15.4 | 2189  | 16.0 | 73    | 0.5 | 1227  | 9.0  | 172   | 1.3 | 20    | 0.1 | 0     | 0.0 | 186   | 1.4 | 13640  |
| IN    | 2372   | 26.4 | 830   | 9.2  | 2852   | 31.8 | 1134  | 12.6 | 1099  | 12.2 | 17    | 0.2 | 465   | 5.2  | 24    | 0.3 | 13    | 0.1 | 121   | 1.3 | 49    | 0.5 | 8976   |
| KS    | 2004   | 59.7 | 164   | 4.9  | 270    | 8.0  | 464   | 13.8 | 245   | 7.3  | 25    | 0.7 | 125   | 3.7  | 23    | 0.7 | 5     | 0.1 | 3     | 0.1 | 29    | 0.9 | 3357   |
| KY    | 3613   | 33.1 | 573   | 5.2  | 3568   | 32.7 | 1019  | 9.3  | 1149  | 10.5 | 33    | 0.3 | 723   | 6.6  | 9     | 0.1 | 7     | 0.1 | 52    | 0.5 | 173   | 1.6 | 10919  |
| LA    | 1656   | 27.6 | 546   | 9.1  | 1586   | 26.5 | 1017  | 17.0 | 678   | 11.3 | 164   | 2.7 | 171   | 2.9  | 31    | 0.5 | 4     | 0.1 | 47    | 0.8 | 95    | 1.6 | 5995   |
| MA    | 1770   | 17.4 | 869   | 8.5  | 3421   | 33.6 | 1083  | 10.7 | 2234  | 22.0 | 34    | 0.3 | 468   | 4.6  | 167   | 1.6 | 2     | 0.0 | 82    | 0.8 | 39    | 0.4 | 10169  |
| MD    | 4576   | 25.3 | 2421  | 13.4 | 4032   | 22.3 | 3151  | 17.4 | 3392  | 18.7 | 75    | 0.4 | 204   | 1.1  | 95    | 0.5 | 0     | 0.0 | 99    | 0.5 | 66    | 0.4 | 18111  |
| ME    | 1699   | 32.3 | 353   | 6.7  | 1561   | 29.7 | 388   | 7.4  | 604   | 11.5 | 99    | 1.9 | 467   | 8.9  | 5     | 0.1 | 19    | 0.4 | 29    | 0.6 | 36    | 0.7 | 5260   |
| MI    | 2567   | 17.9 | 1548  | 10.8 | 6291   | 43.8 | 699   | 4.9  | 2192  | 15.3 | 105   | 0.7 | 802   | 5.6  | 64    | 0.4 | 4     | 0.0 | 6     | 0.0 | 94    | 0.7 | 14372  |
| MN    | 4818   | 34.7 | 407   | 2.9  | 4577   | 33.0 | 1669  | 12.0 | 1717  | 12.4 | 50    | 0.4 | 363   | 2.6  | 62    | 0.4 | 14    | 0.1 | 129   | 0.9 | 82    | 0.6 | 13888  |
| MO    | 1849   | 23.5 | 392   | 5.0  | 1799   | 22.9 | 1418  | 18.0 | 1257  | 16.0 | 43    | 0.5 | 894   | 11.4 | 24    | 0.3 | 39    | 0.5 | 45    | 0.6 | 109   | 1.4 | 7869   |
| MS    | 1599   | 35.9 | 396   | 8.9  | 1011   | 22.7 | 504   | 11.3 | 573   | 12.9 | 13    | 0.3 | 196   | 4.4  | 2     | 0.0 | 29    | 0.7 | 46    | 1.0 | 85    | 1.9 | 4454   |
| MT    | 1803   | 31.0 | 272   | 4.7  | 2007   | 34.5 | 518   | 8.9  | 778   | 13.4 | 43    | 0.7 | 257   | 4.4  | 5     | 0.1 | 9     | 0.2 | 50    | 0.9 | 82    | 1.4 | 5824   |
| NC    | 3633   | 27.7 | 1049  | 8.0  | 3548   | 27.1 | 1978  | 15.1 | 1749  | 13.3 | 187   | 1.4 | 647   | 4.9  | 31    | 0.2 | 16    | 0.1 | 177   | 1.4 | 95    | 0.7 | 13110  |
| ND    | 1802   | 38.4 | 153   | 3.3  | 1526   | 32.5 | 433   | 9.2  | 508   | 10.8 | 29    | 0.6 | 196   | 4.2  | 7     | 0.1 | 2     | 0.0 | 10    | 0.2 | 24    | 0.5 | 4690   |
| NE    | 2704   | 19.1 | 779   | 5.5  | 6859   | 48.5 | 1144  | 8.1  | 1838  | 13.0 | 29    | 0.2 | 495   | 3.5  | 68    | 0.5 | 3     | 0.0 | 168   | 1.2 | 61    | 0.4 | 14148  |
| NH    | 1514   | 24.0 | 515   | 8.2  | 1383   | 22.0 | 1096  | 17.4 | 987   | 15.7 | 74    | 1.2 | 589   | 9.3  | 23    | 0.4 | 4     | 0.1 | 55    | 0.9 | 60    | 1.0 | 6300   |
| NJ    | 2667   | 19.5 | 938   | 6.8  | 3952   | 28.8 | 1815  | 13.2 | 2970  | 21.7 | 66    | 0.5 | 886   | 6.5  | 266   | 1.9 | 4     | 0.0 | 105   | 0.8 | 42    | 0.3 | 13711  |
| NM    | 1813   | 29.3 | 547   | 8.8  | 1964   | 31.7 | 594   | 9.6  | 926   | 14.9 | 22    | 0.4 | 239   | 3.9  | 10    | 0.2 | 19    | 0.3 | 13    | 0.2 | 48    | 0.8 | 6195   |
| NV    | 2507   | 24.9 | 406   | 4.0  | 4211   | 41.8 | 818   | 8.1  | 1251  | 12.4 | 227   | 2.3 | 261   | 2.6  | 215   | 2.1 | 0     | 0.0 | 96    | 1.0 | 89    | 0.9 | 10081  |
| NY    | 3403   | 22.7 | 1643  | 11.0 | 3245   | 21.6 | 2397  | 16.0 | 2395  | 16.0 | 7     | 0.0 | 824   | 5.5  | 640   | 4.3 | 82    | 0.5 | 154   | 1.0 | 213   | 1.4 | 15003  |
| OH    | 3166   | 25.8 | 1161  | 9.5  | 3385   | 27.6 | 1796  | 14.6 | 1854  | 15.1 | 12    | 0.1 | 709   | 5.8  | 22    | 0.2 | 10    | 0.1 | 90    | 0.7 | 61    | 0.5 | 12266  |
| OK    | 1885   | 32.4 | 505   | 8.7  | 1347   | 23.2 | 1006  | 17.3 | 711   | 12.2 | 85    | 1.5 | 188   | 3.2  | 10    | 0.2 | 17    | 0.3 | 52    | 0.9 | 11    | 0.2 | 5817   |
| OR    | 3321   | 19.8 | 1782  | 10.6 | 5487   | 32.7 | 1230  | 7.3  | 3835  | 22.9 | 31    | 0.2 | 580   | 3.5  | 140   | 0.8 | 79    | 0.5 | 76    | 0.5 | 202   | 1.2 | 16763  |
| PA    | 3603   | 22.6 | 1302  | 8.1  | 6018   | 37.7 | 1312  | 8.2  | 2740  | 17.1 | 44    | 0.3 | 740   | 4.6  | 70    | 0.4 | 2     | 0.0 | 83    | 0.5 | 63    | 0.4 | 15977  |
| PR    | 2261   | 52.2 | 159   | 3.7  | 1091   | 25.2 | 166   | 3.8  | 547   | 12.6 | 16    | 0.4 | 8     | 0.2  | 9     | 0.2 | 19    | 0.4 | 0     | 0.0 | 54    | 1.2 | 4330   |
| RI    | 1842   | 21.9 | 766   | 9.1  | 3107   | 36.9 | 686   | 8.2  | 1327  | 15.8 | 21    | 0.2 | 465   | 5.5  | 106   | 1.3 | 2     | 0.0 | 51    | 0.6 | 39    | 0.5 | 8412   |
| SC    | 2158   | 21.7 | 354   | 3.6  | 2531   | 25.5 | 2245  | 22.6 | 1661  | 16.7 | 167   | 1.7 | 296   | 3.0  | 7     | 0.1 | 2     | 0.0 | 386   | 3.9 | 130   | 1.3 | 9937   |
| SD    | 2200   | 33.5 | 542   | 8.2  | 2311   | 35.1 | 660   | 10.0 | 545   | 8.3  | 15    | 0.2 | 230   | 3.5  | 4     | 0.1 | 11    | 0.2 | 32    | 0.5 | 26    | 0.4 | 6576   |
| TN    | 2983   | 24.7 | 1249  | 10.3 | 3941   | 32.7 | 2262  | 18.7 | 1117  | 9.3  | 57    | 0.5 | 206   | 1.7  | 21    | 0.2 | 10    | 0.1 | 113   | 0.9 | 109   | 0.9 | 12068  |
| TX    | 2504   | 25.5 | 1213  | 12.4 | 1728   | 17.6 | 2065  | 21.0 | 1403  | 14.3 | 68    | 0.7 | 536   | 5.5  | 19    | 0.2 | 2     | 0.0 | 124   | 1.3 | 148   | 1.5 | 9810   |
| UT    | 2865   | 31.3 | 459   | 5.0  | 2754   | 30.1 | 1314  | 14.4 | 996   | 10.9 | 29    | 0.3 | 409   | 4.5  | 61    | 0.7 | 14    | 0.2 | 187   | 2.0 | 61    | 0.7 | 9149   |
| VA    | 3524   | 20.1 | 1124  | 6.4  | 7201   | 41.1 | 1338  | 7.6  | 2861  | 16.3 | 128   | 0.7 | 808   | 4.6  | 178   | 1.0 | 1     | 0.0 | 0     | 0.0 | 340   | 1.9 | 17503  |
| VT    | 3193   | 21.1 | 482   | 3.2  | 7879   | 52.2 | 1042  | 6.9  | 1832  | 12.1 | 89    | 0.6 | 465   | 3.1  | 23    | 0.2 | 5     | 0.0 | 45    | 0.3 | 50    | 0.3 | 15105  |
| WA    | 3604   | 24.4 | 1768  | 12.0 | 3560   | 24.1 | 1054  | 7.1  | 2985  | 20.2 | 325   | 2.2 | 796   | 5.4  | 184   | 1.2 | 126   | 0.9 | 215   | 1.5 | 174   | 1.2 | 14791  |
| WI    | 2245   | 23.1 | 785   | 8.1  | 4560   | 47.0 | 215   | 2.2  | 1605  | 16.5 | 124   | 1.3 | 73    | 0.8  | 0     | 0.0 | 38    | 0.4 | 21    | 0.2 | 44    | 0.5 | 9710   |
| WV    | 2438   | 35.9 | 721   | 10.6 | 1395   | 20.6 | 786   | 11.6 | 833   | 12.3 | 27    | 0.4 | 410   | 6.0  | 5     | 0.1 | 5     | 0.1 | 53    | 0.8 | 113   | 1.7 | 6786   |
| WY    | 2414   | 24.9 | 764   | 7.9  | 3926   | 40.5 | 638   | 6.6  | 1417  | 14.6 | 24    | 0.2 | 325   | 3.3  | 35    | 0.4 | 47    | 0.5 | 16    | 0.2 | 98    | 1.0 | 9704   |
| CUM   | 135568 | 25.9 | 43594 | 8.3  | 161589 | 30.9 | 61405 | 11.8 | 77352 | 14.8 | 4263  | 0.8 | 24742 | 4.7  | 3952  | 0.8 | 989   | 0.2 | 3829  | 0.7 | 5192  | 1.0 | 522475 |
| MED   | 2393   | 25.4 | ***** | 8.1  | *****  | 30.0 | ***** | 11.0 | ***** | 14.2 | ***** | 0.4 | ***** | 4.4  | ***** | 0.4 | ***** | 0.1 | ***** | 0.6 | ***** | 0.9 | *****  |

Revised 2/25/99

BRFSS CASRO RESPONSE RATE ESTIMATES\*  
BY STATE, 1993-1997

| State  | 1993<br>Rate | 1994<br>Rate | 1995<br>Rate | 1996<br>Rate | 1997<br>Rate |
|--------|--------------|--------------|--------------|--------------|--------------|
| AK     | 75.1         | 74.6         | 68.4         | 62.9         | 59.5         |
| AL     | 91.1         | 71.0         | 68.3         | 69.1         | 59.6         |
| AR     | 69.7         | 71.9         | 65.7         | 62.5         | 65.9         |
| AZ     | 64.2         | 63.5         | 65.1         | 67.1         | 72.5         |
| CA     | 63.5         | 61.4         | 52.3         | 47.9         | 48.2         |
| CO     | 75.8         | 74.8         | 77.4         | 74.4         | 62.5         |
| CT     | 65.1         | 75.9         | 65.1         | 60.4         | 60.7         |
| DC     | 79.1         | 76.1         | NA           | 64.1         | 67.8         |
| DE     | 73.6         | 69.7         | 68.3         | 63.5         | 59.8         |
| FL     | 66.0         | 66.7         | 54.6         | 55.8         | 49.4         |
| GA     | 63.3         | 62.5         | 77.6         | 87.1         | 76.8         |
| HI     | 61.9         | 59.6         | 48.6         | NA           | 41.3         |
| IA     | 78.4         | 75.3         | 73.3         | 74.9         | 69.4         |
| ID     | 73.6         | 66.2         | 66.8         | 59.6         | 59.0         |
| IL     | 71.3         | 71.5         | 61.6         | 45.6         | 44.2         |
| IN     | 80.1         | 77.1         | 78.9         | 73.2         | 62.8         |
| KS     | 81.2         | 77.9         | 73.6         | 77.5         | 75.1         |
| KY     | 73.8         | 73.6         | 72.6         | 65.5         | 69.6         |
| LA     | 64.1         | 67.3         | 67.3         | 62.7         | 63.8         |
| MA     | 62.8         | 65.4         | 60.4         | 56.6         | 50.4         |
| MD     | 58.2         | 58.6         | 60.9         | 54.6         | 54.9         |
| ME     | 73.6         | 73.2         | 70.2         | 66.0         | 66.1         |
| MI     | 50.6         | 42.6         | 56.0         | 54.6         | 49.6         |
| MN     | 74.9         | 73.3         | 78.1         | 73.6         | 77.9         |
| MO     | 62.5         | 63.3         | 59.1         | 59.5         | 54.2         |
| MS     | 73.6         | 73.1         | 75.4         | 71.3         | 67.4         |
| MT     | 75.8         | 74.7         | 77.5         | 76.5         | 72.6         |
| NC     | 69.4         | 68.3         | 69.2         | 59.3         | 64.4         |
| ND     | 85.3         | 86.8         | 84.5         | 85.6         | 79.3         |
| NE     | 75.9         | 70.2         | 67.5         | 68.0         | 61.6         |
| NH     | 65.4         | 62.0         | 59.5         | 59.3         | 51.4         |
| NJ     | 65.5         | 67.5         | 66.9         | 52.4         | 51.0         |
| NM     | 53.7         | 53.3         | 52.5         | 61.2         | 62.5         |
| NV     | 77.5         | 76.0         | 77.4         | 75.9         | 71.8         |
| NY     | 65.4         | 60.6         | 60.2         | 50.6         | 51.6         |
| OH     | 59.4         | 66.2         | 69.5         | 74.4         | 61.7         |
| OK     | 82.2         | 71.2         | 76.2         | 72.8         | 72.3         |
| OR     | 65.6         | 65.3         | 56.9         | 55.4         | 53.1         |
| PA     | 66.5         | 66.0         | 64.1         | 61.8         | 58.2         |
| PR     | NA           | NA           | NA           | NA           | 88.9         |
| RI     | 73.1         | NA           | 68.7         | 59.4         | 54.7         |
| SC     | 66.0         | 76.8         | 74.5         | 60.9         | 58.8         |
| SD     | 81.7         | 79.4         | 81.2         | 76.8         | 70.0         |
| TN     | 68.2         | 65.4         | 68.7         | 62.5         | 60.1         |
| TX     | 54.6         | 57.7         | 60.2         | 52.8         | 45.7         |
| UT     | 76.1         | 79.4         | 78.5         | 77.6         | 71.9         |
| VA     | 72.7         | 60.9         | 62.3         | 61.2         | 59.6         |
| VT     | 71.5         | 72.3         | 74.5         | 71.6         | 71.5         |
| WA     | 62.6         | 64.8         | 61.4         | 53.7         | 52.3         |
| WI     | 76.7         | 74.7         | 71.9         | 69.6         | 69.7         |
| WV     | 77.7         | 77.5         | 77.5         | 71.8         | 65.9         |
| WY     | NA           | 66.9         | 69.2         | 67.7         | 63.4         |
| MEDIAN | 71.4         | 70.0         | 68.4         | 63.2         | 62.1         |
| RANGE  | 50.6-91.1    | 42.6-86.8    | 48.6-84.5    | 45.6-87.1    | 41.3-88.9    |

\*Excluding wind-down records

Revised 2/25/99

## BRFSS UPPER BOUND RESPONSE RATE ESTIMATES\*

## BY STATE, 1993-1997

| State  | 1993<br>Rate | 1994<br>Rate | 1995<br>Rate | 1996<br>Rate | 1997<br>Rate |
|--------|--------------|--------------|--------------|--------------|--------------|
| AK     | 85.8         | 84.7         | 80.0         | 75.3         | 74.4         |
| AL     | 96.5         | 80.0         | 79.9         | 80.6         | 75.2         |
| AR     | 79.6         | 81.4         | 76.0         | 73.1         | 78.7         |
| AZ     | 71.5         | 74.6         | 73.6         | 81.9         | 92.6         |
| CA     | 78.5         | 77.6         | 70.3         | 66.9         | 64.6         |
| CO     | 88.4         | 86.0         | 86.1         | 83.2         | 76.2         |
| CT     | 85.6         | 88.0         | 78.9         | 77.7         | 74.5         |
| DC     | 90.7         | 88.3         | NA           | 82.1         | 82.1         |
| DE     | 89.9         | 89.4         | 89.9         | 85.1         | 80.2         |
| FL     | 79.0         | 77.4         | 77.1         | 70.0         | 64.7         |
| GA     | 73.2         | 68.5         | 83.4         | 93.5         | 86.7         |
| HI     | 81.1         | 79.8         | 82.2         | NA           | 74.8         |
| IA     | 86.0         | 82.3         | 86.9         | 85.7         | 86.9         |
| ID     | 82.3         | 77.8         | 76.0         | 69.8         | 69.8         |
| IL     | 85.0         | 83.0         | 73.2         | 54.1         | 64.0         |
| IN     | 88.7         | 85.5         | 89.9         | 82.5         | 74.3         |
| KS     | 95.2         | 93.8         | 89.9         | 92.5         | 92.2         |
| KY     | 89.2         | 88.5         | 87.1         | 84.1         | 86.6         |
| LA     | 75.2         | 76.8         | 77.4         | 74.6         | 77.1         |
| MA     | 69.3         | 72.6         | 69.1         | 68.2         | 67.0         |
| MD     | 76.7         | 72.4         | 75.7         | 60.1         | 65.4         |
| ME     | 84.0         | 83.0         | 83.8         | 78.2         | 82.7         |
| MI     | 73.9         | 66.1         | 80.1         | 63.6         | 62.3         |
| MN     | 86.1         | 84.9         | 92.9         | 89.0         | 92.1         |
| MO     | 72.1         | 73.6         | 68.6         | 68.6         | 81.6         |
| MS     | 83.2         | 85.2         | 85.3         | 81.2         | 79.5         |
| MT     | 90.2         | 88.1         | 88.7         | 88.6         | 86.2         |
| NC     | 81.8         | 82.5         | 86.8         | 81.8         | 78.2         |
| ND     | 94.3         | 95.4         | 95.0         | 94.4         | 92.4         |
| NE     | 88.3         | 83.2         | 80.4         | 83.7         | 77.6         |
| NH     | 75.7         | 76.7         | 78.7         | 77.3         | 73.9         |
| NJ     | 85.3         | 86.5         | 86.7         | 76.5         | 73.9         |
| NM     | 63.0         | 61.9         | 60.5         | 69.5         | 76.2         |
| NV     | 89.4         | 86.6         | 90.4         | 87.1         | 86.1         |
| NY     | 77.9         | 74.9         | 72.4         | 62.3         | 67.1         |
| OH     | 74.2         | 79.4         | 81.4         | 83.2         | 76.8         |
| OK     | 87.3         | 75.2         | 79.2         | 78.5         | 79.0         |
| OR     | 75.9         | 76.9         | 67.9         | 67.1         | 64.1         |
| PA     | 70.5         | 70.3         | 69.0         | 78.0         | 73.4         |
| PR     | NA           | NA           | NA           | NA           | 92.7         |
| RI     | 78.8         | NA           | 76.9         | 70.6         | 70.6         |
| SC     | 81.0         | 84.2         | 83.9         | 75.9         | 85.6         |
| SD     | 91.5         | 90.6         | 89.0         | 86.1         | 80.1         |
| TN     | 79.5         | 77.7         | 79.9         | 75.0         | 72.2         |
| TX     | 75.3         | 73.4         | 75.6         | 74.0         | 67.3         |
| UT     | 85.2         | 87.7         | 87.4         | 88.3         | 87.0         |
| VA     | 81.4         | 76.2         | 75.9         | 76.4         | 75.8         |
| VT     | 87.5         | 88.3         | 89.3         | 87.4         | 86.8         |
| WA     | 71.1         | 73.5         | 72.0         | 66.4         | 65.6         |
| WI     | 79.9         | 78.4         | 74.5         | 72.5         | 73.2         |
| WV     | 85.1         | 85.0         | 85.0         | 81.2         | 78.2         |
| WY     | NA           | 81.4         | 79.5         | 77.9         | 74.9         |
| MEDIAN | 82.1         | 81.4         | 80.0         | 77.9         | 76.5         |
| RANGE  | 63.0-96.5    | 61.9-95.4    | 60.5-95.0    | 54.1-94.4    | 62.3-92.7    |

\*Excluding wind-down records

Revised 2/25/99

BRFSS EFFICIENCY RATES  
BY STATE, 1993-1997

| State  | 1993<br>Rate | 1994<br>Rate | 1995<br>Rate | 1996<br>Rate | 1997<br>Rate |
|--------|--------------|--------------|--------------|--------------|--------------|
| AK     | 17.1         | 23.8         | 22.4         | 23.7         | 23.3         |
| AL     | 58.0         | 45.2         | 40.6         | 37.0         | 28.8         |
| AR     | 39.7         | 38.2         | 35.6         | 19.8         | 20.0         |
| AZ     | 30.9         | 33.3         | 31.5         | 32.2         | 32.1         |
| CA     | 24.5         | 36.1         | 31.5         | 33.6         | 30.5         |
| CO     | 35.1         | 31.4         | 29.0         | 28.6         | 29.3         |
| CT     | 52.3         | 49.5         | 26.3         | 20.1         | 20.2         |
| DC     | 29.1         | 29.1         | NA           | 19.1         | 22.6         |
| DE     | 42.0         | 40.0         | 38.8         | 34.0         | 29.5         |
| FL     | 33.5         | 36.1         | 30.3         | 26.3         | 23.5         |
| GA     | 34.9         | 29.0         | 38.2         | 46.3         | 40.5         |
| HI     | 25.6         | 22.6         | 17.9         | NA           | 32.4         |
| IA     | 42.8         | 39.4         | 41.1         | 40.0         | 38.8         |
| ID     | 33.4         | 27.0         | 31.5         | 28.4         | 24.5         |
| IL     | 27.0         | 27.0         | 23.6         | 21.9         | 21.2         |
| IN     | 44.6         | 39.3         | 41.6         | 37.2         | 26.4         |
| KS     | 56.3         | 60.6         | 54.3         | 59.7         | 59.7         |
| KY     | 35.0         | 30.3         | 35.4         | 29.0         | 33.1         |
| LA     | 33.3         | 35.8         | 33.6         | 30.0         | 27.6         |
| MA     | 34.6         | 35.5         | 25.1         | 23.3         | 17.4         |
| MD     | 28.7         | 28.2         | 27.5         | 27.3         | 25.3         |
| ME     | 35.7         | 36.5         | 35.4         | 33.2         | 32.3         |
| MI     | 25.1         | 21.9         | 10.4         | 19.1         | 17.9         |
| MN     | 44.9         | 40.8         | 34.5         | 33.4         | 34.7         |
| MO     | 29.0         | 28.8         | 22.7         | 24.6         | 23.5         |
| MS     | 41.2         | 37.5         | 42.5         | 35.2         | 35.9         |
| MT     | 36.1         | 35.0         | 36.0         | 34.8         | 31.0         |
| NC     | 30.3         | 29.8         | 30.7         | 27.8         | 27.7         |
| ND     | 47.7         | 44.3         | 43.6         | 43.2         | 38.4         |
| NE     | 28.6         | 29.8         | 19.3         | 17.7         | 19.1         |
| NH     | 28.8         | 25.9         | 26.4         | 26.3         | 24.0         |
| NJ     | 52.0         | 53.8         | 45.5         | 16.9         | 19.5         |
| NM     | 29.3         | 25.8         | 24.9         | 27.0         | 29.3         |
| NV     | 54.0         | 42.7         | 58.8         | 54.9         | 24.9         |
| NY     | 29.9         | 27.5         | 24.0         | 21.2         | 22.7         |
| OH     | 34.5         | 29.6         | 29.7         | 28.6         | 25.8         |
| OK     | 42.7         | 23.6         | 30.0         | 25.6         | 32.4         |
| OR     | 35.2         | 32.4         | 25.9         | 21.9         | 19.8         |
| PA     | 36.3         | 36.3         | 32.2         | 20.2         | 22.6         |
| PR     | NA           | NA           | NA           | NA           | 52.2         |
| RI     | 40.7         | NA           | 29.6         | 25.9         | 21.9         |
| SC     | 26.2         | 31.6         | 30.4         | 26.1         | 21.7         |
| SD     | 53.1         | 48.5         | 39.5         | 37.5         | 33.5         |
| TN     | 39.3         | 30.1         | 35.3         | 30.2         | 24.7         |
| TX     | 28.3         | 32.4         | 31.0         | 30.4         | 25.5         |
| UT     | 31.7         | 34.7         | 33.3         | 34.1         | 31.3         |
| VA     | 39.0         | 36.1         | 33.6         | 18.7         | 20.1         |
| VT     | 44.0         | 46.3         | 35.0         | 19.0         | 21.1         |
| WA     | 41.0         | 41.2         | 37.9         | 22.8         | 24.4         |
| WI     | 27.5         | 26.8         | 27.0         | 24.6         | 23.1         |
| WV     | 43.1         | 42.1         | 42.5         | 41.3         | 35.9         |
| WY     | NA           | 28.7         | 27.6         | 29.4         | 24.9         |
| MEDIAN | 35.1         | 34.0         | 31.5         | 28.1         | 25.4         |
| RANGE  | 17.1-58.0    | 21.9-60.6    | 10.4-58.8    | 16.9-59.7    | 17.4-59.7    |

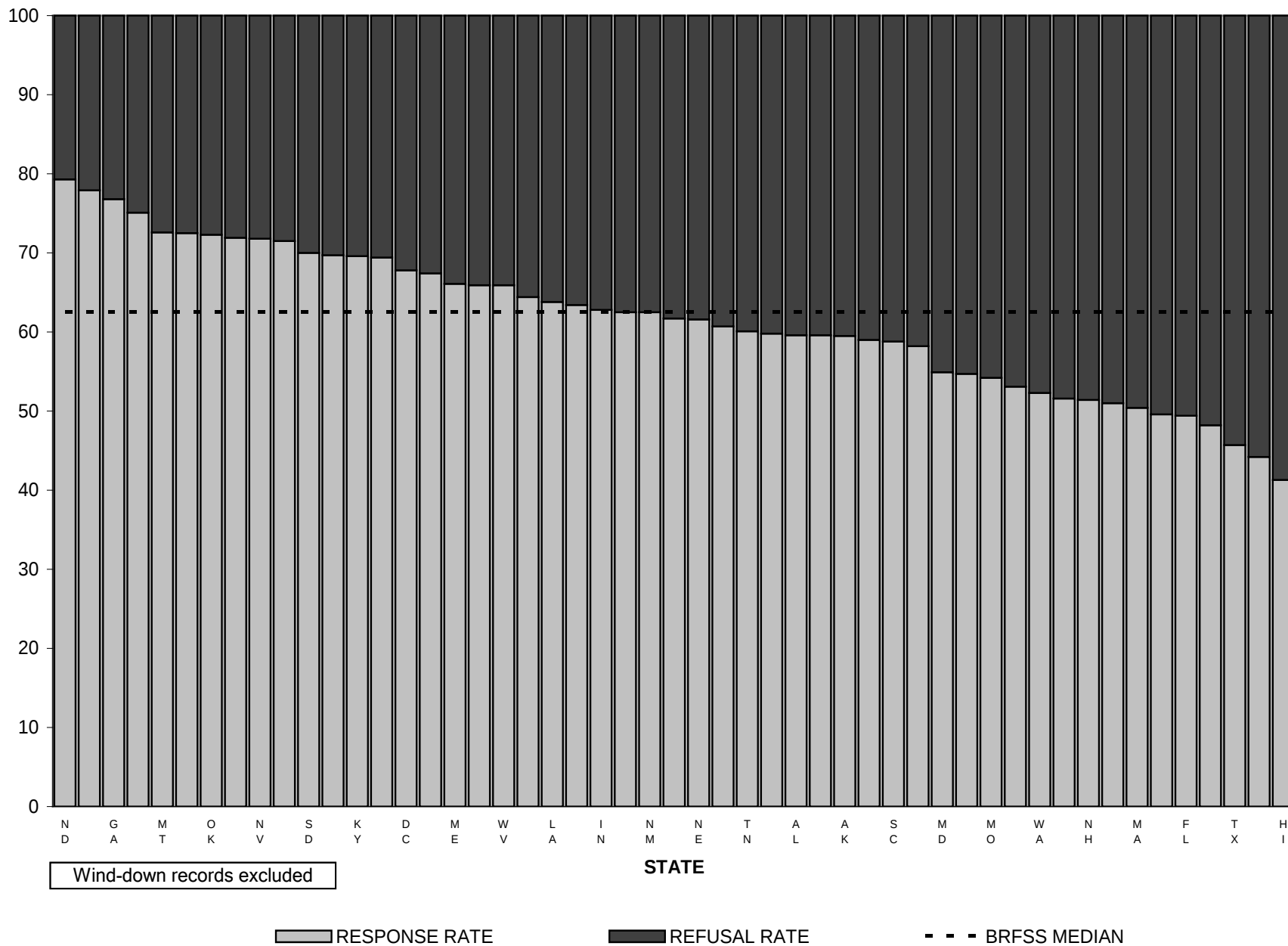
Revised 2/25/99

BRFSS WIND-DOWN RATES  
BY STATE, 1993-1997

| State  | 1993   |          | 1994   |          | 1995   |          | 1996   |          | 1997   |          |
|--------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
|        | Rate   | Obj Met  | Rate   | Obj Met  | Rate   | Obj Met  | Rate   | Obj Met  | Rate   | Obj Met  |
| AK     | 5.5    | N        | 5.9    | N        | 5.8    | N        | 6.6    | N        | 8.7    | N        |
| AL     | 0.3    | Y        | 0.8    | Y        | 5.1    | N        | 5.5    | N        | 3.5    | Y        |
| AR     | 4.9    | Y        | 4.5    | Y        | 4.9    | Y        | 0.0    | Y        | 0.0    | Y        |
| AZ     | 6.4    | N        | 5.0    | Y        | 6.0    | N        | 4.9    | Y        | 4.8    | Y        |
| CA     | 12.2   | N        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| CO     | 4.8    | Y        | 5.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| CT     | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| DC     | 5.7    | N        | 3.1    | Y        | NA     | NA       | 6.9    | N        | 4.5    | Y        |
| DE     | 1.2    | Y        | 1.1    | Y        | 0.8    | Y        | 1.9    | Y        | 3.8    | Y        |
| FL     | 3.8    | Y        | 3.0    | Y        | 3.5    | Y        | 2.9    | Y        | 3.6    | Y        |
| GA     | 0.4    | Y        | 5.2    | N        | 5.0    | Y        | 4.7    | Y        | 2.0    | Y        |
| HI     | 3.9    | Y        | 5.0    | Y        | 5.1    | N        | NA     | NA       | 0.0    | Y        |
| IA     | 8.9    | N        | 4.8    | Y        | 0.0    | Y        | 0.0    | Y        | 0.6    | Y        |
| ID     | 3.4    | Y        | 0.6    | Y        | 5.7    | N        | 4.8    | Y        | 0.0    | Y        |
| IL     | 4.8    | Y        | 0.0    | Y        | 1.3    | Y        | 2.5    | Y        | 2.6    | Y        |
| IN     | 4.4    | Y        | 4.8    | Y        | 4.4    | Y        | 4.7    | Y        | 4.6    | Y        |
| KS     | 4.4    | Y        | 2.3    | Y        | 1.1    | Y        | 0.4    | Y        | 0.0    | Y        |
| KY     | 5.4    | N        | 5.8    | N        | 5.2    | N        | 4.3    | Y        | 3.2    | Y        |
| LA     | 5.3    | N        | 4.3    | Y        | 4.2    | Y        | 3.7    | Y        | 3.9    | Y        |
| MA     | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| MD     | 2.7    | Y        | 7.9    | N        | 13.6   | N        | 3.2    | Y        | 3.8    | Y        |
| ME     | 5.2    | N        | 7.7    | N        | 5.9    | N        | 6.3    | N        | 6.0    | N        |
| MI     | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| MN     | 2.9    | Y        | 5.5    | N        | 3.1    | Y        | 1.6    | Y        | 2.0    | Y        |
| MO     | 6.5    | N        | 0.0    | Y        | 6.7    | N        | 5.9    | N        | 5.3    | N        |
| MS     | 5.2    | N        | 6.3    | N        | 6.0    | N        | 4.6    | Y        | 4.1    | Y        |
| MT     | 4.5    | Y        | 4.4    | Y        | 4.8    | Y        | 4.3    | Y        | 4.5    | Y        |
| NC     | 2.6    | Y        | 5.1    | N        | 4.0    | Y        | 2.0    | Y        | 5.1    | N        |
| ND     | 4.3    | Y        | 4.1    | Y        | 5.3    | N        | 4.8    | Y        | 4.8    | Y        |
| NE     | 5.4    | N        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| NH     | 0.0    | Y        | 7.7    | N        | 6.9    | N        | 6.7    | N        | 6.9    | N        |
| NJ     | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| NM     | 8.7    | N        | 28.6   | N        | 13.1   | N        | 12.0   | N        | 0.0    | Y        |
| NV     | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| NY     | 4.2    | Y        | 7.9    | N        | 7.0    | N        | 5.7    | N        | 3.0    | Y        |
| OH     | 9.4    | N        | 6.3    | N        | 7.1    | N        | 0.0    | Y        | 11.4   | N        |
| OK     | 7.7    | N        | 22.3   | N        | 13.8   | N        | 18.8   | N        | 16.4   | N        |
| OR     | 3.4    | Y        | 4.0    | Y        | 4.1    | Y        | 0.0    | Y        | 0.0    | Y        |
| PA     | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| PR     | NA     | NA       | NA     | NA       | NA     | NA       | NA     | NA       | 0      | Y        |
| RI     | 0.0    | Y        | NA     | NA       | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| SC     | 17.6   | N        | 17.9   | N        | 13.1   | N        | 9.8    | N        | 3.8    | Y        |
| SD     | 4.7    | Y        | 6.1    | N        | 10.1   | N        | 7.8    | N        | 3.8    | Y        |
| TN     | 3.3    | Y        | 4.7    | Y        | 6.7    | N        | 7.7    | N        | 7.1    | N        |
| TX     | 6.1    | N        | 5.0    | Y        | 4.7    | Y        | 0.0    | Y        | 0.0    | Y        |
| UT     | 5.6    | N        | 4.9    | Y        | 6.1    | N        | 4.7    | Y        | 3.9    | Y        |
| VA     | 3.4    | Y        | 4.8    | Y        | 4.3    | Y        | 0.0    | Y        | 0.0    | Y        |
| VT     | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| WA     | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| WI     | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        | 0.0    | Y        |
| WV     | 4.9    | Y        | 5.3    | N        | 5.0    | Y        | 5.0    | Y        | 5.0    | Y        |
| WY     | NA     | NA       | 0.7    | Y        | 5.7    | N        | 5.4    | N        | 0.0    | Y        |
| MEDIAN | 4.4    | Y        | 4.6    | Y        | 4.8    | Y        | 3.1    | Y        | 2.3    | Y        |
| RANGE  | 0-17.6 | 33 of 50 | 0-28.6 | 34 of 50 | 0-13.8 | 29 of 50 | 0-18.8 | 37 of 50 | 0-16.4 | 44 of 52 |

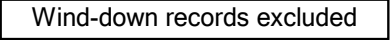
Revised 2/25/99

# BRFSS CASRO ESTIMATES OF RESPONSE AND REFUSAL RATES BY STATE, 1997



Revised 2/25/99

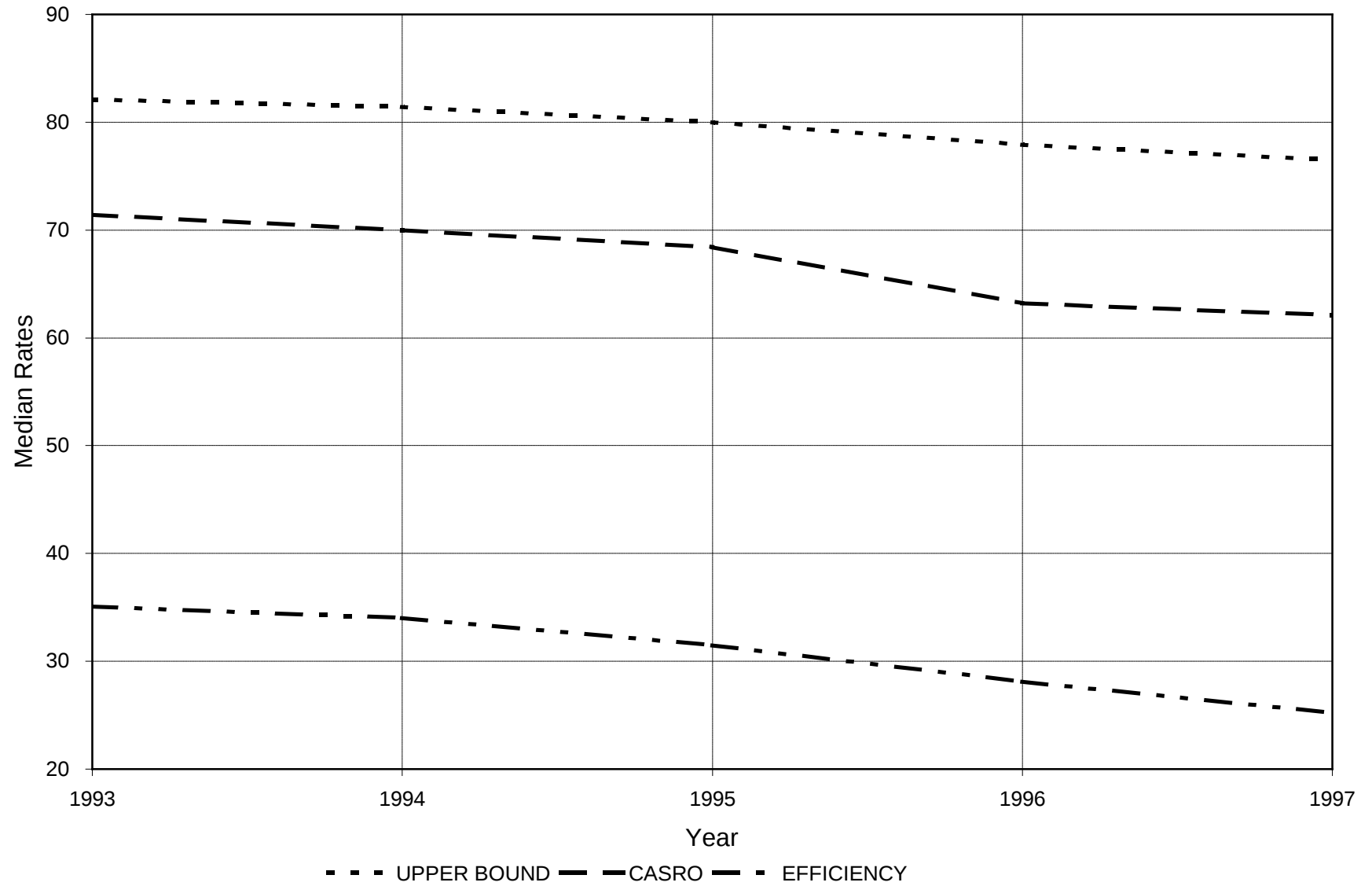
## AND REFUSAL RATES, BY STATE, 1997



REFUSAL RATE

Revised 2/25/99

**BRFSS**  
**MEDIAN UPPER BOUND, CASRO, AND EFFICIENCY**  
1993-1997



# STATUS OF MONITORING SYSTEMS 1997

December 31, 1997

| STATE         | AUDIO<br>(Y/N)                         | CATI DISPLAY<br>(Y/N/NA) | COMMENTS                                      |
|---------------|----------------------------------------|--------------------------|-----------------------------------------------|
| AL            | N                                      | N                        | 2-way audio/video in '98                      |
| AK            | N                                      | N                        |                                               |
| AZ            | N                                      | N                        |                                               |
| AR            | N                                      | N                        |                                               |
| CA            | Y                                      | Y                        |                                               |
| CO            | Y                                      | Y                        |                                               |
| CT            | Y                                      | Y                        |                                               |
| DE            | N                                      | NA                       | Interview from homes.                         |
| DC            | N                                      | N                        |                                               |
| FL            | Y                                      | Y                        |                                               |
| GA            | N                                      | N                        | Contractor in December = Y/Y                  |
| HI            | Y                                      | N                        |                                               |
| ID            | Y                                      | Y                        |                                               |
| IL            | N                                      | Y                        |                                               |
| IN            | Y                                      | Y                        |                                               |
| IA            | Y                                      | Y                        |                                               |
| KS            | N                                      | NA                       | Expect to install equipment by 1/98           |
| KY            | N                                      | N                        |                                               |
| LA            | N                                      | NA                       |                                               |
| ME            | N                                      | Y                        |                                               |
| MD            | N                                      | NA                       | Interview from homes.                         |
| MA            | Y                                      | Y                        |                                               |
| MI            | Y                                      | Y                        |                                               |
| MN            | N                                      | Y                        |                                               |
| MS            | Y                                      | N                        |                                               |
| MO            | N                                      | N                        |                                               |
| MT            | Y                                      | N                        |                                               |
| NE            | Y                                      | Y                        |                                               |
| NV            | Y                                      | N                        |                                               |
| NH            | Y                                      | Y                        |                                               |
| NJ            | Y                                      | Y                        |                                               |
| NM            | Y                                      | N                        |                                               |
| NY            | Y                                      | N                        |                                               |
| NC            | N                                      | N                        |                                               |
| ND            | Y                                      | N                        | Expect to install video by 1/98               |
| OH            | Y                                      | Y                        |                                               |
| OK            | N                                      | Y                        |                                               |
| OR            | Y                                      | Y                        |                                               |
| PA            | Y                                      | Y                        |                                               |
| PR            | N                                      | N                        |                                               |
| RI            | Y                                      | Y                        |                                               |
| SC            | N                                      | N                        | Bought, not installed; legal privacy problems |
| SD            | N                                      | N                        |                                               |
| TN            | N                                      | N                        | Ordered but not installed                     |
| TX            | Y                                      | Y                        |                                               |
| UT            | Y                                      | N                        | Expect to install video software in 98        |
| VT            | Y                                      | Y                        |                                               |
| VA            | Y                                      | Y                        |                                               |
| WA            | Y                                      | Y                        |                                               |
| WV            | N                                      | N                        | Working on video; considering audio.          |
| WI            | Y                                      | Y                        |                                               |
| WY            | Y                                      | Y                        |                                               |
| <b>TOTALS</b> | 30 with audio, 22 with audio and video |                          |                                               |

### Interpretation of summary statistics

Some of the tables in Section 3 contain Z-scores. Z-scores indicate how many standard deviations values are from the mean, and are one way of assessing the location of a case in a distribution. Standardization permits comparison of the scores from different distributions (e.g. states). Observations below the mean have a negative z-score. As a general guide, z-scores falling outside the -2.0 to 2.0 range can be considered extreme values, and indicate possible problems in the item.

## SECTION 2

### DEMOGRAPHIC VARIABLES USED IN WEIGHTING

TABLE 1: PERCENTAGE OF RECORDS WITH A CLUSTER SIZE OF THREE,  
WAKSBERG STATES, 1993-1997

| STATE                | 1993  | 1994  | 1995  | 1996  | 1997  | MEAN |
|----------------------|-------|-------|-------|-------|-------|------|
| Delaware             | 99.4  | 99.3  | 100.0 | 100.0 | 100.0 | 99.7 |
| Illinois             | 92.0  | 94.4  | 97.6  | 100.0 | 100.0 | 96.8 |
| Louisiana            | 98.3  | 97.2  | 99.8  | 100.0 | 100.0 | 99.0 |
| North Dakota         | 99.7  | 100.0 | 100.0 | 97.9  | 99.7  | 99.5 |
| Florida              | 98.8  | 98.8  | 89.7  | 98.8  | 99.6  | 97.1 |
| Minnesota            | 99.9  | 100.0 | 97.3  | 93.6  | 99.6  | 98.1 |
| Montana              | 99.9  | 95.0  | 98.3  | 99.7  | 99.5  | 98.5 |
| Tennessee            | 99.1  | 99.6  | 100.0 | 99.7  | 99.5  | 99.6 |
| District of Columbia | 95.1  | 98.5  | .     | 87.7  | 99.3  | 95.2 |
| Maine                | 100.0 | 91.9  | 95.0  | 98.4  | 99.1  | 96.9 |
| Ohio                 | .     | 78.6  | 83.6  | 96.5  | 98.9  | 89.4 |
| Kentucky             | 96.1  | 97.7  | 98.2  | 98.7  | 98.8  | 97.9 |
| New Mexico           | 99.5  | 97.3  | 69.8  | 60.2  | 98.8  | 85.1 |
| West Virginia        | 99.3  | 96.2  | 98.0  | 99.5  | 98.7  | 98.3 |
| Mississippi          | 99.9  | 96.7  | 98.6  | 98.6  | 98.7  | 98.5 |
| Missouri             | 98.8  | 98.9  | 83.4  | 95.4  | 98.6  | 95.0 |
| New York             | 98.3  | 98.1  | 99.4  | 98.1  | 98.3  | 98.4 |
| South Carolina       | 80.2  | 85.5  | 82.3  | 76.6  | 98.0  | 84.5 |
| Alabama              | 99.6  | 96.7  | 99.8  | 99.9  | 97.9  | 98.8 |
| Maryland             | 97.4  | 97.5  | 98.2  | 98.2  | 97.7  | 97.8 |
| Utah                 | 95.7  | 90.6  | 96.6  | 97.4  | 97.5  | 95.5 |
| New Hampshire        | .     | 92.1  | 93.1  | 95.7  | 96.5  | 94.3 |
| Arizona              | 95.4  | 99.4  | .     | 91.1  | 96.3  | 95.5 |
| North Carolina       | 92.8  | 87.2  | 93.3  | 86.2  | 95.1  | 90.9 |
| Georgia              | 98.7  | 96.9  | 98.7  | 99.7  | 93.7  | 97.6 |
| Oklahoma             | 99.6  | 86.6  | 94.8  | 84.0  | 93.6  | 91.7 |
| Iowa                 | 100.0 | 95.8  | 94.9  | 93.8  | 93.3  | 95.6 |
| Indiana              | 97.9  | 99.8  | 100.0 | 100.0 | 88.0  | 97.1 |
| South Dakota         | 99.8  | 89.3  | 94.5  | 97.3  | 82.2  | 92.6 |

TABLE 2: DISCREPANCY IN PERCENTAGE FEMALE BETWEEN THE WEIGHTED\* SAMPLE DATA  
AND POPULATION DATA BY STATE, 1993-1997

| STATE                | PERCENTAGE POINT DIFFERENCE |      |      |      |      | MEAN<br>1993-1997 |
|----------------------|-----------------------------|------|------|------|------|-------------------|
|                      | 1993                        | 1994 | 1995 | 1996 | 1997 |                   |
| Tennessee            | 1.6                         | 5.0  | 3.9  | 7.2  | 11.0 | 5.7               |
| Kentucky             | 4.6                         | 7.5  | 6.5  | 7.8  | 8.5  | 7.0               |
| South Carolina       | 5.0                         | 2.7  | 4.9  | 5.0  | 8.5  | 5.2               |
| Arkansas             | 4.4                         | 7.3  | 4.5  | 7.7  | 8.2  | 6.4               |
| Nebraska             | 4.3                         | 7.8  | 5.2  | 7.0  | 7.8  | 6.4               |
| Alabama              | 5.3                         | 10.4 | 8.5  | 9.7  | 7.5  | 8.3               |
| New Jersey           | 7.3                         | 7.4  | 12.6 | 3.3  | 7.5  | 7.6               |
| Louisiana            | 6.3                         | 7.5  | 5.5  | 5.4  | 7.5  | 6.4               |
| New Hampshire        | 2.3                         | 5.0  | 4.6  | 4.0  | 7.5  | 4.7               |
| District of Columbia | 4.4                         | 2.4  | .    | 5.0  | 7.2  | 4.7               |
| Kansas               | 0.5                         | 3.2  | 2.1  | 3.9  | 7.1  | 3.4               |
| Missouri             | 4.8                         | 8.9  | 7.3  | 4.6  | 7.1  | 6.5               |
| Delaware             | 6.2                         | 5.8  | 8.0  | 7.1  | 7.0  | 6.8               |
| Ohio                 | 7.5                         | 7.3  | 7.6  | 5.9  | 6.7  | 7.0               |
| Mississippi          | 5.2                         | 5.7  | 4.6  | 7.9  | 6.6  | 6.0               |
| Connecticut          | 6.7                         | 8.8  | 3.6  | 7.3  | 6.5  | 6.6               |
| Wyoming              | .                           | 5.7  | 6.2  | 6.5  | 6.4  | 6.2               |
| Hawaii               | 4.9                         | 5.9  | 5.0  | .    | 6.4  | 5.5               |
| Nevada               | 12.2                        | 13.6 | 11.4 | 7.9  | 6.3  | 10.3              |
| Idaho                | 11.4                        | 6.5  | 7.6  | 6.2  | 6.2  | 7.6               |
| Texas                | 6.5                         | 6.9  | 9.4  | 8.5  | 6.2  | 7.5               |
| Pennsylvania         | 1.4                         | 3.3  | 2.0  | 2.8  | 6.0  | 3.1               |

|                |     |      |     |     |      |     |
|----------------|-----|------|-----|-----|------|-----|
| North Carolina | 1.3 | 2.9  | 5.5 | 4.7 | 5.8  | 4.0 |
| Washington     | 2.3 | 3.1  | 4.4 | 6.3 | 5.5  | 4.3 |
| Virginia       | 4.6 | 3.7  | 6.7 | 8.7 | 5.5  | 5.9 |
| New York       | 3.4 | 4.4  | 4.5 | 4.9 | 5.5  | 4.5 |
| Illinois       | 3.8 | 6.0  | 5.5 | 6.3 | 5.4  | 5.4 |
| Florida        | 3.9 | 3.9  | 4.8 | 6.1 | 5.3  | 4.8 |
| West Virginia  | 6.6 | 5.4  | 7.1 | 6.9 | 5.2  | 6.2 |
| Massachusetts  | 1.3 | 4.5  | 3.6 | 4.2 | 5.0  | 3.7 |
| New Mexico     | 5.8 | 9.2  | 9.1 | 7.9 | 4.9  | 7.4 |
| Rhode Island   | 0.0 | .    | 0.5 | 2.2 | 4.7  | 1.9 |
| Alaska         | 6.6 | 4.7  | 6.3 | 6.1 | 4.7  | 5.7 |
| California     | 4.2 | 4.5  | 2.7 | 5.2 | 4.7  | 4.2 |
| Montana        | 6.4 | 5.8  | 5.4 | 4.5 | 4.6  | 5.3 |
| Iowa           | 0.3 | 1.7  | 4.4 | 4.0 | 4.5  | 3.0 |
| Oregon         | 1.4 | 4.2  | 4.1 | 5.0 | 4.1  | 3.8 |
| Georgia        | 3.1 | 3.3  | 3.0 | 3.1 | 3.9  | 3.3 |
| Michigan       | 2.2 | 4.9  | 6.4 | 4.3 | 3.7  | 4.3 |
| Oklahoma       | 4.3 | 3.8  | 1.3 | 2.7 | 3.5  | 3.1 |
| Maryland       | 5.2 | 3.9  | 5.4 | 4.7 | 2.8  | 4.4 |
| South Dakota   | 3.1 | 3.9  | 3.3 | 3.4 | 2.8  | 3.3 |
| Wisconsin      | 0.4 | 2.3  | 1.0 | 2.6 | 2.7  | 1.8 |
| Vermont        | 5.4 | 4.1  | 5.0 | 3.2 | 2.6  | 4.1 |
| Puerto Rico    | .   | .    | .   | .   | 2.5  | 2.5 |
| Colorado       | 5.5 | 3.6  | 4.2 | 3.9 | 2.5  | 3.9 |
| North Dakota   | 2.2 | 2.0  | 2.9 | 6.2 | 2.3  | 3.1 |
| Utah           | 6.8 | 4.2  | 3.6 | 2.8 | 2.2  | 3.9 |
| Indiana        | 3.4 | 3.4  | 1.8 | 3.2 | 2.1  | 2.8 |
| Maine          | 3.1 | -0.1 | 2.5 | 3.6 | 1.8  | 2.2 |
| Minnesota      | 2.8 | 2.4  | 2.4 | 2.9 | 1.3  | 2.4 |
| Arizona        | 4.6 | 5.8  | 9.1 | 5.2 | -0.2 | 4.9 |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 3: DISCREPANCY IN PERCENTAGE NON-WHITE BETWEEN SAMPLE AND POPULATION  
BY STATE OTHER HISPANICS ARE CODED AS NON-WHITE, 1997

| RANK | STATE                | SAMPLE          |      |               |      | POPULATION |      | RATIO<br>S/P | DIFFERENCE<br>S-P |
|------|----------------------|-----------------|------|---------------|------|------------|------|--------------|-------------------|
|      |                      | UNWEIGHTED<br>N | %    | WEIGHTED<br>N | %    | N          | %    |              |                   |
| 1    | New Mexico           | 524.0           | 29.3 | 1013.9        | 31.7 | 140,101    | 11.4 | 2.8          | 20.3              |
| 2    | Texas                | 707.0           | 28.4 | 1307.7        | 30.3 | 2,027,245  | 14.6 | 2.1          | 15.7              |
| 3    | Nevada               | 340.0           | 13.6 | 12461.0       | 17.7 | 151,911    | 12.3 | 1.4          | 5.4               |
| 4    | District of Columbia | 1022.0          | 68.2 | 1373.5        | 68.6 | 269,970    | 63.4 | 1.1          | 5.2               |
| 5    | Colorado             | 202.0           | 11.1 | 342.3         | 10.8 | 198,806    | 6.9  | 1.6          | 3.9               |
| 6    | Hawaii               | 1378.0          | 63.8 | 8015.7        | 69.2 | 595,524    | 66.5 | 1.0          | 2.7               |
| 7    | Idaho                | 247.0           | 5.0  | 737.8         | 5.2  | 22,417     | 2.6  | 2.0          | 2.6               |
| 8    | Ohio                 | 488.0           | 15.5 | 974.3         | 13.9 | 967,827    | 11.6 | 1.2          | 2.2               |
| 9    | Oregon               | 240.0           | 7.3  | 775.5         | 7.8  | 137,636    | 5.7  | 1.4          | 2.1               |
| 10   | Wyoming              | 119.0           | 4.9  | 232.6         | 5.2  | 10,949     | 3.2  | 1.6          | 2.1               |
| 11   | North Carolina       | 863.0           | 23.9 | 1489.9        | 23.9 | 1,260,530  | 22.4 | 1.1          | 1.5               |
| 12   | Vermont              | 72.0            | 2.3  | 150.0         | 2.7  | 5,939      | 1.3  | 2.0          | 1.3               |
| 13   | South Dakota         | 138.0           | 6.3  | 290.5         | 7.6  | 35,333     | 6.7  | 1.1          | 1.0               |
| 14   | Arizona              | 215.0           | 11.3 | 1688.2        | 10.8 | 324,802    | 9.8  | 1.1          | 0.9               |
| 15   | Missouri             | 273.0           | 14.8 | 675.1         | 12.5 | 464,544    | 11.6 | 1.1          | 0.9               |
| 16   | New Hampshire        | 35.0            | 2.3  | 67.8          | 2.5  | 14,888     | 1.7  | 1.5          | 0.8               |
| 17   | Kansas               | 170.0           | 8.5  | 283.0         | 8.4  | 148,142    | 7.8  | 1.1          | 0.6               |
| 18   | New Jersey           | 472.0           | 18.0 | 831.0         | 19.1 | 1,143,022  | 18.6 | 1.0          | 0.5               |
| 19   | Nebraska             | 275.0           | 10.2 | 839.7         | 5.7  | 62,945     | 5.2  | 1.1          | 0.5               |
| 20   | Utah                 | 123.0           | 4.3  | 2771.8        | 4.8  | 60,669     | 4.6  | 1.0          | 0.2               |
| 21   | Maine                | 25.0            | 1.5  | 41.0          | 1.4  | 11,790     | 1.3  | 1.1          | 0.2               |
| 22   | Indiana              | 216.0           | 9.1  | 408.0         | 8.6  | 370,254    | 8.5  | 1.0          | 0.1               |
| 23   | Wisconsin            | 131.0           | 5.9  | 18918.0       | 6.7  | 254,654    | 6.7  | 1.0          | 0.1               |
| 24   | Rhode Island         | 118.0           | 6.4  | 212.5         | 6.7  | 50,340     | 6.6  | 1.0          | 0.1               |
| 25   | Massachusetts        | 157.0           | 9.0  | 267.0         | 8.9  | 417,584    | 8.9  | 1.0          | 0.0               |
| 26   | New York             | 706.0           | 20.9 | 1248.0        | 21.9 | 3,042,414  | 22.0 | 1.0          | -0.1              |
| 27   | Michigan             | 411.0           | 16.1 | 682.3         | 15.1 | 1,086,348  | 15.3 | 1.0          | -0.2              |
| 28   | Kentucky             | 273.0           | 7.6  | 438.9         | 7.1  | 210,444    | 7.2  | 1.0          | -0.2              |
| 29   | Minnesota            | 244.0           | 5.1  | 437.7         | 5.2  | 186,290    | 5.4  | 1.0          | -0.2              |
| 30   | Montana              | 93.0            | 5.2  | 166.0         | 5.3  | 36,248     | 5.6  | 0.9          | -0.3              |
| 31   | Iowa                 | 100.0           | 2.8  | 171.0         | 2.6  | 63,955     | 3.0  | 0.9          | -0.4              |
| 32   | North Dakota         | 73.0            | 4.1  | 130.5         | 4.3  | 21,811     | 4.6  | 0.9          | -0.4              |
| 33   | Washington           | 304.0           | 8.5  | 608.0         | 9.5  | 409,377    | 9.9  | 1.0          | -0.4              |
| 34   | Connecticut          | 228.0           | 10.3 | 383.8         | 10.0 | 262,797    | 10.5 | 1.0          | -0.5              |
| 35   | Pennsylvania         | 369.0           | 10.3 | 626.2         | 9.9  | 963,250    | 10.5 | 0.9          | -0.6              |
| 36   | South Carolina       | 606.0           | 28.4 | 988.3         | 27.6 | 775,731    | 28.2 | 1.0          | -0.7              |
| 37   | Georgia              | 643.0           | 27.9 | 1072.3        | 27.1 | 1,526,172  | 27.8 | 1.0          | -0.7              |
| 38   | Tennessee            | 473.0           | 15.9 | 766.2         | 14.9 | 638,512    | 15.8 | 0.9          | -0.9              |
| 39   | Florida              | 476.0           | 13.7 | 782.5         | 13.8 | 1,662,667  | 14.7 | 0.9          | -0.9              |
| 40   | Delaware             | 476.0           | 18.7 | 1180.6        | 18.4 | 106,940    | 19.5 | 0.9          | -1.0              |
| 41   | West Virginia        | 66.0            | 2.7  | 111.0         | 2.5  | 49,906     | 3.6  | 0.7          | -1.1              |
| 42   | Arkansas             | 249.0           | 14.0 | 449.8         | 13.7 | 278,324    | 14.9 | 0.9          | -1.1              |
| 43   | Oklahoma             | 254.0           | 13.5 | 418.8         | 13.3 | 368,675    | 15.1 | 0.9          | -1.7              |
| 44   | Alabama              | 504.0           | 23.2 | 861.9         | 22.6 | 776,625    | 24.3 | 0.9          | -1.8              |
| 45   | Virginia             | 691.0           | 19.8 | 4542.5        | 20.3 | 1,123,896  | 22.1 | 0.9          | -1.8              |
| 46   | Alaska               | 412.0           | 27.1 | 2399.7        | 19.2 | 91,020     | 21.5 | 0.9          | -2.2              |
| 47   | Mississippi          | 490.0           | 30.7 | 893.2         | 30.8 | 649,761    | 33.2 | 0.9          | -2.4              |
| 48   | Louisiana            | 457.0           | 27.7 | 817.0         | 28.3 | 961,178    | 30.9 | 0.9          | -2.6              |
| 49   | Illinois             | 417.0           | 14.5 | 725.5         | 14.1 | 1,531,116  | 17.4 | 0.8          | -3.3              |
| 50   | Maryland             | 992.0           | 21.8 | 4274.2        | 26.0 | 1,154,956  | 30.1 | 0.9          | -4.1              |
| 51   | California           | 579.0           | 14.3 | 1056.2        | 14.7 | 4,677,953  | 19.8 | 0.7          | -5.1              |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 4: DISCREPANCY IN PERCENTAGE NON-WHITE BETWEEN SAMPLE AND POPULATION  
BY STATE OTHER HISPANICS ARE CODED AS WHITE, 1997

| RANK | STATE                | SAMPLE     |      |          |      | POPULATION |      | RATIO<br>S/P | DIFFERENCE<br>S-P |
|------|----------------------|------------|------|----------|------|------------|------|--------------|-------------------|
|      |                      | UNWEIGHTED |      | WEIGHTED |      | N          | %    |              |                   |
| 1    | District of Columbia | 1015       | 67.8 | 1361.5   | 68.0 | 269,970    | 63.4 | 1.1          | 4.6               |
| 2    | Ohio                 | 481        | 15.2 | 955.8    | 13.6 | 967,827    | 11.6 | 1.2          | 2.0               |
| 3    | Vermont              | 67         | 2.1  | 140.0    | 2.5  | 5,939      | 1.3  | 1.9          | 1.1               |
| 4    | Idaho                | 170        | 3.5  | 502.2    | 3.6  | 22,417     | 2.6  | 1.3          | 0.9               |
| 5    | North Carolina       | 841        | 23.3 | 1446.2   | 23.2 | 1,260,530  | 22.4 | 1.0          | 0.8               |
| 6    | New Hampshire        | 31         | 2.1  | 59.8     | 2.2  | 14,888     | 1.7  | 1.3          | 0.5               |
| 7    | South Dakota         | 129        | 5.9  | 270.5    | 7.1  | 35,333     | 6.7  | 1.1          | 0.4               |
| 8    | Oregon               | 188        | 5.7  | 610.1    | 6.1  | 137,636    | 5.7  | 1.1          | 0.4               |
| 9    | Missouri             | 261        | 14.1 | 646.6    | 12.0 | 464,544    | 11.6 | 1.0          | 0.4               |
| 10   | Maine                | 24         | 1.4  | 40.0     | 1.4  | 11,790     | 1.3  | 1.1          | 0.1               |
| 11   | Wyoming              | 72         | 3.0  | 143.1    | 3.2  | 10,949     | 3.2  | 1.0          | 0.0               |
| 12   | Nevada               | 235        | 9.4  | 8677.9   | 12.3 | 151,911    | 12.3 | 1.0          | 0.0               |
| 13   | Kentucky             | 271        | 7.5  | 432.9    | 7.0  | 210,444    | 7.2  | 1.0          | -0.3              |
| 14   | Kansas               | 153        | 7.7  | 252.0    | 7.5  | 148,142    | 7.8  | 1.0          | -0.3              |
| 15   | North Dakota         | 71         | 3.9  | 127.5    | 4.2  | 21,811     | 4.6  | 0.9          | -0.5              |
| 16   | Wisconsin            | 118        | 5.3  | 17204.0  | 6.1  | 254,654    | 6.7  | 0.9          | -0.5              |
| 17   | Colorado             | 120        | 6.6  | 200.5    | 6.3  | 198,806    | 6.9  | 0.9          | -0.6              |
| 18   | Washington           | 294        | 8.3  | 588.5    | 9.2  | 409,377    | 9.9  | 0.9          | -0.7              |
| 19   | Minnesota            | 223        | 4.6  | 394.7    | 4.7  | 186,290    | 5.4  | 0.9          | -0.7              |
| 20   | Montana              | 87         | 4.8  | 152.8    | 4.9  | 36,248     | 5.6  | 0.9          | -0.8              |
| 21   | Iowa                 | 88         | 2.4  | 146.0    | 2.3  | 63,955     | 3.0  | 0.7          | -0.8              |
| 22   | Indiana              | 197        | 8.3  | 362.5    | 7.7  | 370,254    | 8.5  | 0.9          | -0.9              |
| 23   | Rhode Island         | 100        | 5.5  | 181.5    | 5.7  | 50,340     | 6.6  | 0.9          | -0.9              |
| 24   | Nebraska             | 239        | 8.9  | 625.2    | 4.2  | 62,945     | 5.2  | 0.8          | -1.0              |
| 25   | Hawaii               | 1299       | 60.1 | 7583.7   | 65.5 | 595,524    | 66.5 | 1.0          | -1.0              |
| 26   | Tennessee            | 468        | 15.7 | 757.2    | 14.8 | 638,512    | 15.8 | 0.9          | -1.0              |
| 27   | Pennsylvania         | 351        | 9.8  | 597.7    | 9.4  | 963,250    | 10.5 | 0.9          | -1.0              |
| 28   | Texas                | 354        | 14.2 | 582.3    | 13.5 | 2,027,245  | 14.6 | 0.9          | -1.1              |
| 29   | Arkansas             | 249        | 14.0 | 449.8    | 13.7 | 278,324    | 14.9 | 0.9          | -1.1              |
| 30   | West Virginia        | 64         | 2.6  | 106.0    | 2.4  | 49,906     | 3.6  | 0.7          | -1.2              |
| 31   | Michigan             | 390        | 15.3 | 634.8    | 14.1 | 1,086,348  | 15.3 | 0.9          | -1.2              |
| 32   | Massachusetts        | 132        | 7.5  | 229.0    | 7.6  | 417,584    | 8.9  | 0.9          | -1.3              |
| 33   | Delaware             | 468        | 18.4 | 1164.0   | 18.2 | 106,940    | 19.5 | 0.9          | -1.3              |
| 34   | South Carolina       | 594        | 27.8 | 962.8    | 26.9 | 775,731    | 28.2 | 1.0          | -1.4              |
| 35   | Utah                 | 82         | 2.9  | 1857.0   | 3.2  | 60,669     | 4.6  | 0.7          | -1.4              |
| 36   | Georgia              | 627        | 27.2 | 1042.3   | 26.3 | 1,526,172  | 27.8 | 0.9          | -1.5              |
| 37   | Florida              | 452        | 13.0 | 745.8    | 13.2 | 1,662,667  | 14.7 | 0.9          | -1.6              |
| 38   | New Mexico           | 165        | 9.2  | 313.2    | 9.8  | 140,101    | 11.4 | 0.9          | -1.6              |
| 39   | Connecticut          | 197        | 8.9  | 330.0    | 8.6  | 262,797    | 10.5 | 0.8          | -1.9              |
| 40   | New York             | 640        | 19.0 | 1136.0   | 19.9 | 3,042,414  | 22.0 | 0.9          | -2.0              |
| 41   | Alabama              | 497        | 22.9 | 849.4    | 22.2 | 776,625    | 24.3 | 0.9          | -2.1              |
| 42   | Virginia             | 672        | 19.2 | 4411.1   | 19.7 | 1,123,896  | 22.1 | 0.9          | -2.4              |
| 43   | Oklahoma             | 239        | 12.7 | 392.8    | 12.5 | 368,675    | 15.1 | 0.8          | -2.6              |
| 44   | Alaska               | 407        | 26.8 | 2354.3   | 18.9 | 91,020     | 21.5 | 0.9          | -2.6              |
| 45   | Mississippi          | 486        | 30.4 | 886.2    | 30.6 | 649,761    | 33.2 | 0.9          | -2.6              |
| 46   | New Jersey           | 401        | 15.3 | 691.5    | 15.9 | 1,143,022  | 18.6 | 0.9          | -2.7              |
| 47   | Illinois             | 416        | 14.4 | 723.5    | 14.1 | 1,531,116  | 17.4 | 0.8          | -3.3              |
| 48   | Louisiana            | 442        | 26.8 | 790.0    | 27.3 | 961,178    | 30.9 | 0.9          | -3.5              |
| 49   | Arizona              | 148        | 7.8  | 907.0    | 5.8  | 324,802    | 9.8  | 0.6          | -4.0              |
| 50   | Maryland             | 974        | 21.4 | 4174.1   | 25.4 | 1,154,956  | 30.1 | 0.8          | -4.7              |
| 51   | California           | 579        | 14.3 | 1056.2   | 14.7 | 4,677,953  | 19.8 | 0.7          | -5.1              |
| 1    | District of Columbia | 1015       | 67.8 | 1361.5   | 68.0 | 269,970    | 63.4 | 1.1          | 4.6               |
| 2    | Ohio                 | 481        | 15.2 | 955.8    | 13.6 | 967,827    | 11.6 | 1.2          | 2.0               |
| 3    | Vermont              | 67         | 2.1  | 140.0    | 2.5  | 5,939      | 1.3  | 1.9          | 1.1               |
| 4    | Idaho                | 170        | 3.5  | 502.2    | 3.6  | 22,417     | 2.6  | 1.3          | 0.9               |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 5: DISCREPANCY IN PERCENTAGE HISPANIC BETWEEN SAMPLE AND POPULATION DATA BY STATE, 1997

| RANK | STATE                | HISPANICS<br>RACE=WHITE |                 | DIFF<br>S-P | RATIO<br>S/P | HISPANICS<br>ALL RACES |      | HISPANICS<br>RACE=OTHER |      |
|------|----------------------|-------------------------|-----------------|-------------|--------------|------------------------|------|-------------------------|------|
|      |                      | SAMPLE<br>%             | POPULATION<br>% |             |              | N                      | %    | N                       | %    |
| 1    | Texas                | 30.0                    | 14.6            | 15.5        | 2.1          | 575.0                  | 27.2 | 353                     | 61.5 |
| 2    | Nevada               | 17.6                    | 12.3            | 5.3         | 1.4          | 208.0                  | 9.0  | 105                     | 59.9 |
| 3    | Nebraska             | 5.6                     | 5.2             | 0.5         | 1.1          | 77.0                   | 2.5  | 36                      | 57.2 |
| 4    | New Mexico           | 31.3                    | 11.4            | 19.9        | 2.8          | 661.0                  | 39.0 | 359                     | 55.8 |
| 5    | Oregon               | 7.7                     | 5.7             | 2.1         | 1.4          | 104.0                  | 3.7  | 52                      | 45.4 |
| 6    | Wyoming              | 5.2                     | 3.2             | 2.0         | 1.6          | 107.0                  | 4.9  | 47                      | 41.0 |
| 7    | Michigan             | 15.0                    | 15.3            | -0.3        | 1.0          | 65.0                   | 2.8  | 21                      | 37.8 |
| 8    | Idaho                | 5.2                     | 2.6             | 2.6         | 2.0          | 184.0                  | 4.5  | 77                      | 37.4 |
| 9    | South Carolina       | 27.4                    | 28.2            | -0.9        | 1.0          | 36.0                   | 1.9  | 12                      | 37.2 |
| 10   | New Jersey           | 18.8                    | 18.6            | 0.2         | 1.0          | 203.0                  | 9.0  | 71                      | 35.5 |
| 11   | Indiana              | 8.6                     | 8.5             | 0.1         | 1.0          | 53.0                   | 2.8  | 19                      | 34.9 |
| 12   | Colorado             | 10.7                    | 6.9             | 3.8         | 1.6          | 218.0                  | 13.0 | 82                      | 34.2 |
| 13   | Wisconsin            | 6.7                     | 6.7             | 0.0         | 1.0          | 37.0                   | 1.8  | 13                      | 33.3 |
| 14   | Georgia              | 27.0                    | 27.8            | -0.8        | 1.0          | 51.0                   | 2.4  | 16                      | 32.3 |
| 15   | Arizona              | 10.8                    | 9.8             | 0.9         | 1.1          | 244.0                  | 16.0 | 67                      | 31.2 |
| 16   | North Carolina       | 23.8                    | 22.4            | 1.4         | 1.1          | 82.0                   | 2.3  | 22                      | 31.0 |
| 17   | Missouri             | 12.5                    | 11.6            | 0.9         | 1.1          | 32.0                   | 1.8  | 12                      | 30.0 |
| 18   | Rhode Island         | 6.6                     | 6.6             | 0.0         | 1.0          | 55.0                   | 3.3  | 18                      | 29.5 |
| 19   | Massachusetts        | 8.8                     | 8.9             | -0.1        | 1.0          | 75.0                   | 4.5  | 25                      | 27.9 |
| 20   | Oklahoma             | 13.3                    | 15.1            | -1.7        | 0.9          | 54.0                   | 3.0  | 15                      | 27.2 |
| 21   | Utah                 | 4.8                     | 4.6             | 0.2         | 1.0          | 142.0                  | 6.2  | 41                      | 25.7 |
| 22   | Hawaii               | 69.0                    | 66.5            | 2.5         | 1.0          | 300.0                  | 15.5 | 79                      | 24.3 |
| 23   | Maryland             | 25.8                    | 30.1            | -4.3        | 0.9          | 88.0                   | 2.6  | 18                      | 23.7 |
| 24   | South Dakota         | 7.6                     | 6.7             | 0.9         | 1.1          | 47.0                   | 2.3  | 9                       | 22.6 |
| 25   | New Hampshire        | 2.5                     | 1.7             | 0.8         | 1.5          | 20.0                   | 1.3  | 4                       | 22.2 |
| 26   | Kentucky             | 7.1                     | 7.2             | -0.2        | 1.0          | 13.0                   | 0.4  | 2                       | 22.2 |
| 27   | Connecticut          | 9.9                     | 10.5            | -0.6        | 0.9          | 132.0                  | 6.4  | 31                      | 21.9 |
| 28   | Pennsylvania         | 9.8                     | 10.5            | -0.7        | 0.9          | 81.0                   | 2.1  | 18                      | 21.7 |
| 29   | Louisiana            | 28.2                    | 30.9            | -2.7        | 0.9          | 70.0                   | 4.5  | 15                      | 20.7 |
| 30   | Minnesota            | 5.2                     | 5.4             | -0.3        | 1.0          | 109.0                  | 2.5  | 21                      | 20.6 |
| 31   | New York             | 21.7                    | 22.0            | -0.3        | 1.0          | 312.0                  | 9.5  | 66                      | 20.5 |
| 32   | District of Columbia | 68.3                    | 63.4            | 4.9         | 1.1          | 41.0                   | 3.0  | 7                       | 20.0 |
| 33   | Iowa                 | 2.6                     | 3.0             | -0.4        | 0.9          | 64.0                   | 2.0  | 12                      | 19.5 |
| 34   | Ohio                 | 13.8                    | 11.6            | 2.2         | 1.2          | 41.0                   | 1.4  | 7                       | 18.2 |
| 35   | Kansas               | 8.4                     | 7.8             | 0.6         | 1.1          | 95.0                   | 5.1  | 17                      | 18.0 |
| 36   | Alabama              | 22.5                    | 24.3            | -1.8        | 0.9          | 48.0                   | 2.1  | 7                       | 15.5 |
| 37   | Mississippi          | 30.8                    | 33.2            | -2.4        | 0.9          | 26.0                   | 1.6  | 4                       | 15.2 |
| 38   | Montana              | 5.3                     | 5.6             | -0.4        | 0.9          | 44.0                   | 2.8  | 6                       | 14.8 |
| 39   | Virginia             | 20.1                    | 22.1            | -2.0        | 0.9          | 123.0                  | 4.2  | 19                      | 14.1 |
| 40   | North Dakota         | 4.3                     | 4.6             | -0.4        | 0.9          | 13.0                   | 0.8  | 2                       | 12.8 |
| 41   | Delaware             | 18.3                    | 19.5            | -1.1        | 0.9          | 51.0                   | 2.2  | 8                       | 11.7 |
| 42   | Tennessee            | 14.9                    | 15.8            | -0.9        | 0.9          | 47.0                   | 1.5  | 5                       | 11.6 |
| 43   | Vermont              | 2.6                     | 1.3             | 1.3         | 2.0          | 52.0                   | 1.6  | 5                       | 11.0 |
| 44   | Alaska               | 18.9                    | 21.5            | -2.5        | 0.9          | 66.0                   | 4.6  | 5                       | 7.8  |
| 45   | West Virginia        | 2.5                     | 3.6             | -1.1        | 0.7          | 40.0                   | 1.7  | 2                       | 6.7  |
| 46   | Washington           | 9.4                     | 9.9             | -0.5        | 0.9          | 152.0                  | 4.7  | 10                      | 6.4  |
| 47   | Florida              | 13.7                    | 14.7            | -1.0        | 0.9          | 476.0                  | 15.0 | 24                      | 4.3  |
| 48   | Maine                | 1.4                     | 1.3             | 0.2         | 1.1          | 17.0                   | 1.1  | 1                       | 3.1  |
| 49   | Illinois             | 14.1                    | 17.4            | -3.3        | 0.8          | 231.0                  | 9.8  | 1                       | 0.4  |
| 50   | Arkansas             | 13.6                    | 14.9            | -1.3        | 0.9          | 47.0                   | 3.1  | .                       | .    |
| 51   | California           | 14.7                    | 19.8            | -5.1        | 0.7          | 969.0                  | 29.3 | .                       | .    |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

**TABLE 6: DISCREPANCY BETWEEN WEIGHTED\*  
SAMPLE AND POPULATION BY AGE CATEGORY AND STATE, 1997**

| STATE                | PERCENTAGE POINT DIFFERENCE |       |       |       |       |      |
|----------------------|-----------------------------|-------|-------|-------|-------|------|
|                      | 18-24                       | 25-34 | 35-44 | 45-54 | 55-64 | 65+  |
| Alabama              | -2.3                        | -3.0  | 2.1   | 2.6   | 1.7   | -1.1 |
| Alaska               | 0.2                         | -3.6  | 0.4   | 2.0   | 0.5   | 0.5  |
| Arizona              | -2.4                        | -0.7  | -0.2  | -0.6  | 0.8   | 3.1  |
| Arkansas             | 1.4                         | -1.8  | 0.6   | 1.8   | 0.5   | -2.5 |
| California           | -0.3                        | -0.7  | 0.3   | -0.3  | 0.8   | 0.2  |
| Colorado             | -0.1                        | -2.0  | 0.3   | 0.5   | 0.6   | 0.7  |
| Connecticut          | -1.7                        | 1.6   | 3.1   | 0.4   | -2.2  | -1.3 |
| Delaware             | -2.5                        | 0.3   | 1.2   | -0.4  | 0.0   | 1.5  |
| District of Columbia | -1.7                        | 5.6   | -0.6  | -1.3  | -0.3  | -1.6 |
| Florida              | 0.0                         | -0.4  | -1.1  | 1.3   | -0.9  | 1.2  |
| Georgia              | -6.4                        | 2.2   | 5.4   | -0.5  | 0.3   | -1.0 |
| Hawaii               | -0.3                        | -1.5  | 1.9   | 0.6   | -0.4  | -0.3 |
| Idaho                | 0.5                         | 0.1   | 1.1   | 1.0   | 0.6   | -3.3 |
| Illinois             | -0.3                        | 1.9   | 1.4   | -0.4  | 0.6   | -3.2 |
| Indiana              | -3.4                        | 1.8   | 1.6   | 2.6   | 0.5   | -3.1 |
| Iowa                 | -3.1                        | -0.1  | 1.2   | 1.9   | 1.3   | -1.2 |
| Kansas               | -2.3                        | 1.8   | 1.4   | 1.0   | -0.2  | -1.6 |
| Kentucky             | -2.7                        | -1.7  | 0.2   | 0.9   | 2.1   | 1.1  |
| Louisiana            | -0.4                        | -1.0  | -1.1  | 1.8   | 0.8   | -0.1 |
| Maine                | -4.5                        | 0.7   | 1.7   | 4.6   | 0.8   | -3.3 |
| Maryland             | -1.1                        | -1.4  | 1.5   | 0.6   | 0.4   | 0.0  |
| Massachusetts        | -3.6                        | 5.0   | 2.5   | -0.5  | -0.6  | -2.7 |
| Michigan             | 0.0                         | 1.6   | 2.2   | -0.5  | 0.3   | -3.6 |
| Minnesota            | -1.6                        | -0.6  | 2.6   | 1.5   | -0.1  | -1.8 |
| Mississippi          | -3.9                        | -1.4  | 1.8   | 2.7   | 2.0   | -1.3 |
| Missouri             | -3.4                        | -0.2  | 1.8   | 1.4   | 1.8   | -1.4 |
| Montana              | -0.8                        | -0.1  | 1.8   | 0.1   | -0.3  | -0.6 |
| Nebraska             | -3.7                        | -1.0  | 0.7   | 2.7   | 0.1   | 1.3  |
| Nevada               | 0.7                         | 2.6   | -2.8  | 2.1   | 2.1   | -4.7 |
| New Hampshire        | -3.6                        | -2.4  | 5.1   | 0.8   | -0.3  | 0.4  |
| New Jersey           | -2.2                        | 1.6   | 3.0   | -0.3  | -1.0  | -1.1 |
| New Mexico           | -1.9                        | -2.0  | 0.9   | 1.8   | 0.6   | 0.6  |
| New York             | -0.5                        | 1.2   | 2.0   | 2.0   | -1.4  | -3.3 |
| North Carolina       | -3.0                        | 0.0   | 1.5   | 0.0   | 0.4   | 1.1  |
| North Dakota         | -2.0                        | -0.4  | 0.6   | -0.5  | 0.6   | 1.6  |
| Ohio                 | -3.1                        | -1.5  | -1.4  | -0.3  | 1.3   | 4.9  |
| Oklahoma             | -4.3                        | -2.5  | -0.8  | -1.5  | -0.9  | 10.0 |
| Oregon               | 0.9                         | 1.5   | -0.7  | -0.4  | 0.3   | -1.6 |
| Pennsylvania         | -2.0                        | 0.5   | 2.8   | 1.0   | 0.9   | -3.1 |
| Rhode Island         | -2.7                        | 0.1   | 1.6   | 3.6   | 0.1   | -2.7 |
| South Carolina       | -2.1                        | -0.5  | -1.6  | -0.3  | 1.6   | 3.0  |
| South Dakota         | -3.0                        | -2.0  | 4.3   | 1.2   | -1.0  | 0.4  |
| Tennessee            | -1.8                        | -0.2  | 0.4   | 0.6   | 2.2   | -1.2 |
| Texas                | 0.7                         | 0.7   | 0.7   | -0.1  | 0.1   | -2.1 |
| Utah                 | 5.0                         | -0.2  | -1.5  | -0.4  | -0.5  | -2.5 |
| Vermont              | -4.2                        | 0.6   | 1.5   | 3.7   | 0.0   | -1.6 |
| Virginia             | -2.3                        | 0.5   | 2.2   | 1.8   | 0.2   | -2.4 |
| Washington           | -0.1                        | 0.7   | 1.4   | 2.5   | -1.6  | -2.9 |
| West Virginia        | -2.5                        | 0.0   | 0.8   | 1.3   | 1.5   | -1.1 |
| Wisconsin            | -2.1                        | 2.5   | 1.4   | 1.5   | 0.2   | -3.6 |
| Wyoming              | -0.1                        | -0.6  | 1.8   | 0.9   | 0.8   | -2.7 |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

## **SECTION 3**

### **OTHER VARIABLES**

TABLE 7: PERCENT COMPLETED INTERVIEWS MISSING INCOME BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N   |
|----------------------|----------|---------|-----|
| Oklahoma             | 26.8     | 3.7     | 505 |
| Arizona              | 24.9     | 3.3     | 475 |
| Maryland             | 15.4     | 1.5     | 704 |
| New York             | 14.5     | 1.3     | 493 |
| Massachusetts        | 14.0     | 1.2     | 247 |
| Tennessee            | 13.3     | 1.1     | 396 |
| Connecticut          | 13.1     | 1.0     | 294 |
| Rhode Island         | 12.7     | 1.0     | 234 |
| Kansas               | 12.5     | 0.9     | 251 |
| New Jersey           | 12.4     | 0.9     | 332 |
| Delaware             | 11.1     | 0.7     | 284 |
| Pennsylvania         | 10.9     | 0.6     | 394 |
| Montana              | 10.9     | 0.6     | 197 |
| North Carolina       | 10.5     | 0.5     | 380 |
| Vermont              | 9.8      | 0.4     | 314 |
| Washington           | 9.2      | 0.3     | 331 |
| Kentucky             | 7.9      | 0.0     | 285 |
| South Carolina       | 7.7      | 0.0     | 166 |
| Arkansas             | 7.6      | 0.0     | 137 |
| Florida              | 7.4      | -0.1    | 258 |
| Ohio                 | 7.1      | -0.1    | 226 |
| Texas                | 7.1      | -0.1    | 178 |
| Virginia             | 7.1      | -0.1    | 250 |
| Maine                | 7.0      | -0.1    | 119 |
| New Hampshire        | 6.9      | -0.1    | 105 |
| West Virginia        | 6.1      | -0.3    | 148 |
| Nebraska             | 6.1      | -0.3    | 164 |
| Alabama              | 6.0      | -0.3    | 130 |
| Missouri             | 5.8      | -0.4    | 108 |
| Colorado             | 5.5      | -0.4    | 100 |
| Michigan             | 5.4      | -0.4    | 139 |
| New Mexico           | 5.1      | -0.5    | 92  |
| Illinois             | 5.0      | -0.5    | 145 |
| Indiana              | 4.8      | -0.6    | 115 |
| Georgia              | 4.7      | -0.6    | 109 |
| Louisiana            | 4.7      | -0.6    | 78  |
| Wisconsin            | 4.4      | -0.6    | 99  |
| Mississippi          | 4.1      | -0.7    | 66  |
| Iowa                 | 4.1      | -0.7    | 148 |
| Oregon               | 4.1      | -0.7    | 136 |
| South Dakota         | 4.0      | -0.7    | 89  |
| Wyoming              | 3.9      | -0.7    | 93  |
| Idaho                | 3.7      | -0.8    | 184 |
| Hawaii               | 3.7      | -0.8    | 80  |
| Utah                 | 3.5      | -0.8    | 101 |
| Nevada               | 3.3      | -0.8    | 83  |
| Alaska               | 3.2      | -0.9    | 49  |
| North Dakota         | 2.9      | -0.9    | 52  |
| California           | 2.6      | -1.0    | 106 |
| Minnesota            | 2.3      | -1.0    | 110 |
| Puerto Rico          | 2.1      | -1.1    | 47  |
| District of Columbia | 1.4      | -1.2    | 21  |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 8: PERCENT COMPLETED INTERVIEWS MISSING AGE BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N  |
|----------------------|----------|---------|----|
| New Jersey           | 1.7      | 3.0     | 46 |
| Connecticut          | 1.6      | 2.6     | 35 |
| Massachusetts        | 1.5      | 2.5     | 27 |
| Rhode Island         | 1.5      | 2.4     | 27 |
| Maryland             | 1.3      | 2.0     | 60 |
| Arkansas             | 1.0      | 1.2     | 18 |
| Vermont              | 0.9      | 1.0     | 29 |
| Virginia             | 0.9      | 0.9     | 31 |
| Alaska               | 0.8      | 0.7     | 12 |
| North Carolina       | 0.7      | 0.5     | 26 |
| Kansas               | 0.6      | 0.4     | 13 |
| Alabama              | 0.6      | 0.4     | 14 |
| Mississippi          | 0.6      | 0.3     | 10 |
| West Virginia        | 0.6      | 0.3     | 15 |
| Texas                | 0.6      | 0.3     | 15 |
| South Carolina       | 0.6      | 0.2     | 12 |
| New York             | 0.5      | 0.1     | 18 |
| New Hampshire        | 0.5      | 0.1     | 8  |
| Pennsylvania         | 0.5      | 0.1     | 19 |
| Louisiana            | 0.5      | 0.0     | 8  |
| Ohio                 | 0.4      | -0.1    | 14 |
| Tennessee            | 0.4      | -0.1    | 13 |
| Idaho                | 0.4      | -0.2    | 21 |
| Oklahoma             | 0.4      | -0.2    | 8  |
| Nevada               | 0.4      | -0.2    | 10 |
| Oregon               | 0.4      | -0.2    | 13 |
| Colorado             | 0.4      | -0.3    | 7  |
| Indiana              | 0.4      | -0.3    | 9  |
| Nebraska             | 0.4      | -0.3    | 10 |
| Michigan             | 0.4      | -0.3    | 9  |
| District of Columbia | 0.3      | -0.4    | 5  |
| South Dakota         | 0.3      | -0.4    | 7  |
| Iowa                 | 0.3      | -0.4    | 11 |
| Wyoming              | 0.3      | -0.5    | 7  |
| Utah                 | 0.3      | -0.5    | 8  |
| New Mexico           | 0.3      | -0.5    | 5  |
| Missouri             | 0.3      | -0.5    | 5  |
| Wisconsin            | 0.3      | -0.5    | 6  |
| Arizona              | 0.3      | -0.5    | 5  |
| Georgia              | 0.3      | -0.6    | 6  |
| Washington           | 0.3      | -0.6    | 9  |
| Hawaii               | 0.2      | -0.7    | 4  |
| Kentucky             | 0.1      | -0.8    | 5  |
| Delaware             | 0.1      | -0.9    | 3  |
| Montana              | 0.1      | -0.9    | 2  |
| North Dakota         | 0.1      | -0.9    | 2  |
| Maine                | 0.1      | -1.0    | 1  |
| Illinois             | 0.0      | -1.1    | 1  |
| California           | 0.0      | -1.2    | 0  |
| Florida              | 0.0      | -1.2    | 0  |
| Minnesota            | 0.0      | -1.2    | 0  |
| Puerto Rico          | 0.0      | -1.2    | 0  |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 9: PERCENT COMPLETED INTERVIEWS MISSING RACE BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N  |
|----------------------|----------|---------|----|
| New Jersey           | 1.4      | 3.3     | 37 |
| Connecticut          | 1.1      | 2.2     | 24 |
| Washington           | 1.0      | 1.9     | 35 |
| Massachusetts        | 0.9      | 1.7     | 16 |
| New York             | 0.9      | 1.6     | 30 |
| Alaska               | 0.8      | 1.5     | 13 |
| Arkansas             | 0.8      | 1.5     | 15 |
| South Carolina       | 0.8      | 1.3     | 17 |
| Virginia             | 0.7      | 0.9     | 24 |
| Vermont              | 0.7      | 0.9     | 21 |
| Michigan             | 0.6      | 0.7     | 16 |
| New Mexico           | 0.6      | 0.5     | 10 |
| Wisconsin            | 0.5      | 0.3     | 11 |
| District of Columbia | 0.5      | 0.2     | 7  |
| Maryland             | 0.5      | 0.2     | 21 |
| Florida              | 0.5      | 0.2     | 16 |
| Puerto Rico          | 0.4      | 0.1     | 10 |
| North Carolina       | 0.4      | 0.1     | 16 |
| Texas                | 0.4      | 0.1     | 11 |
| Rhode Island         | 0.4      | 0.1     | 8  |
| Pennsylvania         | 0.4      | 0.0     | 15 |
| Maine                | 0.4      | 0.0     | 7  |
| Nebraska             | 0.4      | 0.0     | 11 |
| Nevada               | 0.4      | 0.0     | 10 |
| Delaware             | 0.4      | 0.0     | 10 |
| Utah                 | 0.4      | -0.1    | 11 |
| Oregon               | 0.3      | -0.3    | 11 |
| Colorado             | 0.3      | -0.3    | 6  |
| Hawaii               | 0.3      | -0.3    | 7  |
| Alabama              | 0.3      | -0.3    | 7  |
| Montana              | 0.3      | -0.4    | 5  |
| New Hampshire        | 0.3      | -0.5    | 4  |
| Ohio                 | 0.3      | -0.5    | 8  |
| Kansas               | 0.3      | -0.5    | 5  |
| Wyoming              | 0.2      | -0.5    | 6  |
| Tennessee            | 0.2      | -0.6    | 7  |
| Idaho                | 0.2      | -0.6    | 11 |
| Arizona              | 0.2      | -0.7    | 4  |
| Minnesota            | 0.2      | -0.7    | 10 |
| Louisiana            | 0.2      | -0.8    | 3  |
| Georgia              | 0.2      | -0.8    | 4  |
| Indiana              | 0.2      | -0.8    | 4  |
| West Virginia        | 0.2      | -0.8    | 4  |
| Missouri             | 0.2      | -0.8    | 3  |
| Iowa                 | 0.1      | -0.9    | 5  |
| Kentucky             | 0.1      | -1.0    | 4  |
| Illinois             | 0.1      | -1.0    | 3  |
| Mississippi          | 0.1      | -1.2    | 1  |
| North Dakota         | 0.1      | -1.2    | 1  |
| Oklahoma             | 0.1      | -1.2    | 1  |
| California           | 0.0      | -1.4    | 0  |
| South Dakota         | 0.0      | -1.4    | 0  |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 10: PERCENT COMPLETED INTERVIEWS MISSING NUMBER OF TELEPHONES  
BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N  |
|----------------------|----------|---------|----|
| Texas                | 3.2      | 4.1     | 16 |
| Nevada               | 1.9      | 2.2     | 9  |
| Tennessee            | 1.9      | 2.1     | 5  |
| Michigan             | 1.6      | 1.7     | 6  |
| South Dakota         | 1.4      | 1.5     | 2  |
| Rhode Island         | 1.4      | 1.4     | 3  |
| Connecticut          | 1.2      | 1.1     | 5  |
| New York             | 1.1      | 1.0     | 5  |
| District of Columbia | 1.0      | 0.9     | 2  |
| New Hampshire        | 1.0      | 0.8     | 2  |
| New Mexico           | 1.0      | 0.8     | 2  |
| Mississippi          | 0.8      | 0.5     | 1  |
| West Virginia        | 0.8      | 0.5     | 1  |
| New Jersey           | 0.7      | 0.3     | 5  |
| Washington           | 0.5      | 0.1     | 3  |
| Florida              | 0.5      | 0.0     | 3  |
| Missouri             | 0.4      | 0.0     | 1  |
| Nebraska             | 0.4      | 0.0     | 1  |
| Maryland             | 0.4      | -0.1    | 3  |
| Idaho                | 0.4      | -0.1    | 2  |
| Alabama              | 0.4      | -0.1    | 1  |
| Alaska               | 0.4      | -0.1    | 1  |
| Wisconsin            | 0.4      | -0.1    | 1  |
| Pennsylvania         | 0.4      | -0.1    | 2  |
| Colorado             | 0.4      | -0.1    | 1  |
| Delaware             | 0.3      | -0.3    | 1  |
| Illinois             | 0.2      | -0.3    | 1  |
| Arizona              | 0.0      | -0.7    | 0  |
| Arkansas             | 0.0      | -0.7    | 0  |
| California           | 0.0      | -0.7    | 0  |
| Georgia              | 0.0      | -0.7    | 0  |
| Hawaii               | 0.0      | -0.7    | 0  |
| Indiana              | 0.0      | -0.7    | 0  |
| Iowa                 | 0.0      | -0.7    | 0  |
| Kansas               | 0.0      | -0.7    | 0  |
| Kentucky             | 0.0      | -0.7    | 0  |
| Louisiana            | 0.0      | -0.7    | 0  |
| Maine                | 0.0      | -0.7    | 0  |
| Massachusetts        | 0.0      | -0.7    | 0  |
| Minnesota            | 0.0      | -0.7    | 0  |
| Montana              | 0.0      | -0.7    | 0  |
| North Carolina       | 0.0      | -0.7    | 0  |
| North Dakota         | 0.0      | -0.7    | 0  |
| Ohio                 | 0.0      | -0.7    | 0  |
| Oklahoma             | 0.0      | -0.7    | 0  |
| Oregon               | 0.0      | -0.7    | 0  |
| Puerto Rico          | 0.0      | -0.7    | 0  |
| South Carolina       | 0.0      | -0.7    | 0  |
| Utah                 | 0.0      | -0.7    | 0  |
| Vermont              | 0.0      | -0.7    | 0  |
| Virginia             | 0.0      | -0.7    | 0  |
| Wyoming              | 0.0      | -0.7    | 0  |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 11: PERCENT COMPLETED INTERVIEWS MISSING WEIGHT BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N   |
|----------------------|----------|---------|-----|
| Kansas               | 4.0      | 2.2     | 80  |
| Massachusetts        | 4.0      | 2.2     | 70  |
| Washington           | 3.7      | 1.9     | 133 |
| North Carolina       | 3.6      | 1.8     | 131 |
| Connecticut          | 3.4      | 1.7     | 77  |
| Maryland             | 3.4      | 1.6     | 156 |
| Arkansas             | 3.3      | 1.6     | 60  |
| New Jersey           | 3.3      | 1.5     | 88  |
| Vermont              | 2.9      | 1.2     | 94  |
| Pennsylvania         | 2.6      | 0.8     | 93  |
| Ohio                 | 2.5      | 0.7     | 80  |
| Oklahoma             | 2.4      | 0.7     | 46  |
| New Hampshire        | 2.4      | 0.6     | 36  |
| Louisiana            | 2.2      | 0.4     | 37  |
| Tennessee            | 2.2      | 0.4     | 66  |
| Delaware             | 2.2      | 0.4     | 56  |
| Alaska               | 2.1      | 0.3     | 32  |
| Texas                | 2.0      | 0.2     | 49  |
| Nebraska             | 1.9      | 0.1     | 52  |
| Rhode Island         | 1.9      | 0.1     | 35  |
| Virginia             | 1.9      | 0.1     | 66  |
| Kentucky             | 1.8      | 0.0     | 66  |
| Maine                | 1.8      | 0.0     | 31  |
| New York             | 1.8      | 0.0     | 61  |
| Michigan             | 1.7      | -0.1    | 44  |
| Montana              | 1.7      | -0.1    | 30  |
| West Virginia        | 1.6      | -0.2    | 39  |
| Alabama              | 1.6      | -0.2    | 34  |
| Illinois             | 1.5      | -0.4    | 42  |
| South Carolina       | 1.4      | -0.4    | 31  |
| Indiana              | 1.4      | -0.4    | 33  |
| Florida              | 1.3      | -0.6    | 44  |
| Oregon               | 1.2      | -0.6    | 41  |
| Missouri             | 1.2      | -0.6    | 22  |
| South Dakota         | 1.2      | -0.6    | 26  |
| Wyoming              | 1.2      | -0.7    | 28  |
| Nevada               | 1.2      | -0.7    | 29  |
| New Mexico           | 1.1      | -0.7    | 20  |
| Idaho                | 1.1      | -0.7    | 54  |
| Utah                 | 1.1      | -0.7    | 31  |
| Mississippi          | 1.1      | -0.8    | 17  |
| Minnesota            | 1.0      | -0.8    | 50  |
| Georgia              | 1.0      | -0.8    | 23  |
| Wisconsin            | 1.0      | -0.8    | 22  |
| Arizona              | 0.9      | -0.9    | 18  |
| Iowa                 | 0.9      | -0.9    | 33  |
| Colorado             | 0.8      | -1.1    | 14  |
| Hawaii               | 0.7      | -1.1    | 16  |
| North Dakota         | 0.7      | -1.1    | 13  |
| District of Columbia | 0.4      | -1.4    | 6   |
| California           | 0.3      | -1.5    | 12  |
| Puerto Rico          | 0.0      | -1.8    | 0   |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 12: PERCENT COMPLETED INTERVIEWS MISSING HIV TEST BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N   |
|----------------------|----------|---------|-----|
| Massachusetts        | 7.4      | 3.7     | 108 |
| New Jersey           | 6.0      | 2.8     | 130 |
| Rhode Island         | 5.2      | 2.3     | 76  |
| Tennessee            | 4.5      | 1.9     | 107 |
| Connecticut          | 3.5      | 1.2     | 63  |
| Kansas               | 4.0      | 1.6     | 63  |
| Pennsylvania         | 3.1      | 1.0     | 89  |
| New Hampshire        | 3.1      | 1.0     | 38  |
| Vermont              | 3.0      | 1.0     | 79  |
| Nebraska             | 2.4      | 0.6     | 49  |
| North Carolina       | 2.0      | 0.3     | 57  |
| Kentucky             | 1.8      | 0.2     | 51  |
| Alaska               | 1.8      | 0.2     | 25  |
| Arkansas             | 1.8      | 0.2     | 25  |
| Alabama              | 1.6      | 0.1     | 28  |
| Delaware             | 1.5      | 0.0     | 30  |
| Colorado             | 1.5      | 0.0     | 22  |
| Iowa                 | 1.4      | -0.1    | 37  |
| Maryland             | 1.3      | -0.1    | 48  |
| Arizona              | 1.2      | -0.2    | 17  |
| New Mexico           | 1.2      | -0.2    | 17  |
| Michigan             | 1.1      | -0.2    | 24  |
| Mississippi          | 1.0      | -0.3    | 13  |
| Missouri             | 1.0      | -0.3    | 14  |
| Maine                | 0.9      | -0.3    | 13  |
| Texas                | 0.9      | -0.3    | 20  |
| South Carolina       | 0.8      | -0.4    | 14  |
| Virginia             | 0.8      | -0.4    | 24  |
| Georgia              | 0.8      | -0.4    | 15  |
| North Dakota         | 0.7      | -0.4    | 10  |
| South Dakota         | 0.7      | -0.5    | 11  |
| Ohio                 | 0.6      | -0.5    | 15  |
| West Virginia        | 0.6      | -0.5    | 11  |
| New York             | 0.6      | -0.6    | 16  |
| Florida              | 0.5      | -0.6    | 13  |
| Utah                 | 0.5      | -0.6    | 12  |
| Wisconsin            | 0.5      | -0.6    | 9   |
| Washington           | 0.5      | -0.6    | 14  |
| Minnesota            | 0.4      | -0.6    | 17  |
| Montana              | 0.4      | -0.6    | 6   |
| District of Columbia | 0.3      | -0.7    | 4   |
| Indiana              | 0.3      | -0.7    | 5   |
| Nevada               | 0.2      | -0.8    | 5   |
| Louisiana            | 0.2      | -0.8    | 3   |
| Hawaii               | 0.2      | -0.8    | 3   |
| Illinois             | 0.2      | -0.8    | 4   |
| Oklahoma             | 0.2      | -0.8    | 2   |
| Oregon               | 0.2      | -0.8    | 4   |
| Wyoming              | 0.1      | -0.8    | 2   |
| Idaho                | 0.1      | -0.9    | 3   |
| Puerto Rico          | 0.0      | -0.9    | 0   |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 13: PERCENT COMPLETED INTERVIEWS MISSING CHANCES OF GETTING HIV  
BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N   |
|----------------------|----------|---------|-----|
| Massachusetts        | 7.4      | 3.7     | 108 |
| New Jersey           | 6.0      | 2.9     | 130 |
| Rhode Island         | 5.0      | 2.2     | 73  |
| Tennessee            | 4.5      | 1.9     | 107 |
| Kansas               | 4.1      | 1.6     | 64  |
| Connecticut          | 3.5      | 1.2     | 63  |
| New Hampshire        | 3.3      | 1.1     | 40  |
| Pennsylvania         | 3.2      | 1.1     | 91  |
| Vermont              | 2.9      | 0.9     | 76  |
| Nebraska             | 2.5      | 0.6     | 51  |
| North Carolina       | 1.9      | 0.3     | 56  |
| Kentucky             | 1.8      | 0.2     | 50  |
| Arkansas             | 1.8      | 0.2     | 25  |
| Colorado             | 1.5      | 0.0     | 23  |
| Delaware             | 1.5      | 0.0     | 30  |
| Alaska               | 1.5      | 0.0     | 21  |
| Alabama              | 1.5      | 0.0     | 26  |
| Iowa                 | 1.4      | -0.1    | 38  |
| New Mexico           | 1.4      | -0.1    | 20  |
| Michigan             | 1.3      | -0.1    | 28  |
| Arizona              | 1.3      | -0.1    | 18  |
| Maryland             | 1.2      | -0.2    | 44  |
| Texas                | 1.1      | -0.3    | 23  |
| Mississippi          | 1.0      | -0.3    | 13  |
| Georgia              | 1.0      | -0.3    | 20  |
| Missouri             | 1.0      | -0.3    | 14  |
| South Carolina       | 1.0      | -0.3    | 16  |
| Virginia             | 0.9      | -0.4    | 26  |
| North Dakota         | 0.7      | -0.5    | 10  |
| Maine                | 0.7      | -0.5    | 10  |
| West Virginia        | 0.7      | -0.5    | 13  |
| South Dakota         | 0.7      | -0.5    | 11  |
| New York             | 0.6      | -0.6    | 17  |
| Wisconsin            | 0.5      | -0.6    | 10  |
| Florida              | 0.5      | -0.6    | 13  |
| Ohio                 | 0.5      | -0.6    | 12  |
| Illinois             | 0.5      | -0.6    | 11  |
| Montana              | 0.4      | -0.7    | 6   |
| Utah                 | 0.4      | -0.7    | 10  |
| Washington           | 0.4      | -0.7    | 12  |
| District of Columbia | 0.4      | -0.7    | 5   |
| Minnesota            | 0.4      | -0.7    | 15  |
| Indiana              | 0.3      | -0.7    | 6   |
| Louisiana            | 0.3      | -0.7    | 4   |
| Oklahoma             | 0.2      | -0.8    | 3   |
| Nevada               | 0.2      | -0.8    | 5   |
| Hawaii               | 0.2      | -0.8    | 4   |
| Idaho                | 0.1      | -0.9    | 5   |
| Oregon               | 0.1      | -0.9    | 3   |
| Puerto Rico          | 0.1      | -0.9    | 2   |
| Wyoming              | 0.1      | -0.9    | 2   |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 14: PERCENT COMPLETED INTERVIEWS MISSING PAP SMEAR BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N  |
|----------------------|----------|---------|----|
| Massachusetts        | 4.6      | 3.5     | 48 |
| New Hampshire        | 4.1      | 3.0     | 37 |
| New Jersey           | 3.9      | 2.9     | 63 |
| Pennsylvania         | 2.8      | 1.8     | 60 |
| Rhode Island         | 2.5      | 1.5     | 27 |
| Connecticut          | 2.4      | 1.4     | 33 |
| Vermont              | 2.2      | 1.2     | 39 |
| Kansas               | 1.8      | 0.9     | 22 |
| North Carolina       | 1.3      | 0.4     | 28 |
| Iowa                 | 1.2      | 0.3     | 26 |
| Nebraska             | 1.2      | 0.3     | 20 |
| Tennessee            | 1.2      | 0.3     | 23 |
| Arkansas             | 1.2      | 0.3     | 13 |
| Alaska               | 1.1      | 0.2     | 9  |
| Arizona              | 1.1      | 0.2     | 11 |
| New Mexico           | 1.0      | 0.1     | 11 |
| Colorado             | 0.9      | 0.0     | 9  |
| Michigan             | 0.8      | -0.1    | 12 |
| Kentucky             | 0.8      | -0.1    | 18 |
| Maine                | 0.7      | -0.1    | 7  |
| Maryland             | 0.7      | -0.1    | 19 |
| South Dakota         | 0.6      | -0.2    | 8  |
| Wisconsin            | 0.6      | -0.2    | 8  |
| Virginia             | 0.6      | -0.2    | 13 |
| Missouri             | 0.6      | -0.3    | 7  |
| Mississippi          | 0.6      | -0.3    | 6  |
| West Virginia        | 0.5      | -0.3    | 8  |
| Alabama              | 0.5      | -0.3    | 7  |
| Utah                 | 0.5      | -0.4    | 8  |
| Delaware             | 0.5      | -0.4    | 7  |
| Georgia              | 0.4      | -0.4    | 6  |
| South Carolina       | 0.4      | -0.5    | 5  |
| Florida              | 0.3      | -0.5    | 7  |
| District of Columbia | 0.3      | -0.5    | 3  |
| Indiana              | 0.3      | -0.5    | 4  |
| Ohio                 | 0.3      | -0.6    | 5  |
| Washington           | 0.2      | -0.6    | 5  |
| Minnesota            | 0.2      | -0.7    | 4  |
| Illinois             | 0.1      | -0.7    | 2  |
| Louisiana            | 0.1      | -0.7    | 1  |
| Montana              | 0.1      | -0.7    | 1  |
| Oklahoma             | 0.1      | -0.7    | 1  |
| Hawaii               | 0.1      | -0.7    | 1  |
| Nevada               | 0.1      | -0.8    | 1  |
| Wyoming              | 0.1      | -0.8    | 1  |
| Oregon               | 0.1      | -0.8    | 1  |
| New York             | 0.0      | -0.8    | 1  |
| Idaho                | 0.0      | -0.8    | 1  |
| California           | 0.0      | -0.8    | 0  |
| North Dakota         | 0.0      | -0.8    | 0  |
| Puerto Rico          | 0.0      | -0.8    | 0  |
| Texas                | 0.0      | -0.8    | 0  |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 15: PERCENT COMPLETED INTERVIEWS MISSING PROFESSIONAL BREAST EXAM  
BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N  |
|----------------------|----------|---------|----|
| Massachusetts        | 4.1      | 3.4     | 43 |
| New Hampshire        | 4.0      | 3.2     | 36 |
| New Jersey           | 3.6      | 2.9     | 58 |
| Pennsylvania         | 2.6      | 1.9     | 57 |
| Connecticut          | 2.1      | 1.4     | 29 |
| Rhode Island         | 2.1      | 1.3     | 23 |
| Vermont              | 1.9      | 1.1     | 34 |
| Kansas               | 1.6      | 0.9     | 20 |
| North Carolina       | 1.3      | 0.5     | 28 |
| Nebraska             | 1.1      | 0.4     | 19 |
| Arizona              | 1.1      | 0.3     | 11 |
| Tennessee            | 1.1      | 0.3     | 21 |
| Iowa                 | 1.1      | 0.3     | 23 |
| Arkansas             | 1.1      | 0.3     | 12 |
| Alaska               | 0.8      | 0.0     | 7  |
| Colorado             | 0.8      | 0.0     | 8  |
| New Mexico           | 0.8      | 0.0     | 8  |
| Kentucky             | 0.7      | -0.1    | 17 |
| Maine                | 0.7      | -0.1    | 7  |
| Michigan             | 0.7      | -0.1    | 10 |
| Maryland             | 0.7      | -0.2    | 17 |
| West Virginia        | 0.6      | -0.2    | 9  |
| Mississippi          | 0.6      | -0.2    | 6  |
| Wisconsin            | 0.6      | -0.2    | 7  |
| Missouri             | 0.5      | -0.3    | 6  |
| Alabama              | 0.5      | -0.3    | 7  |
| Utah                 | 0.5      | -0.3    | 8  |
| South Dakota         | 0.5      | -0.3    | 6  |
| Delaware             | 0.5      | -0.4    | 7  |
| Georgia              | 0.4      | -0.4    | 6  |
| Virginia             | 0.4      | -0.4    | 9  |
| South Carolina       | 0.4      | -0.4    | 5  |
| Florida              | 0.3      | -0.5    | 7  |
| Texas                | 0.3      | -0.5    | 4  |
| Indiana              | 0.2      | -0.6    | 3  |
| Ohio                 | 0.2      | -0.6    | 4  |
| Louisiana            | 0.2      | -0.6    | 2  |
| Washington           | 0.2      | -0.6    | 4  |
| Minnesota            | 0.2      | -0.7    | 4  |
| District of Columbia | 0.1      | -0.7    | 1  |
| Montana              | 0.1      | -0.7    | 1  |
| Oklahoma             | 0.1      | -0.7    | 1  |
| Hawaii               | 0.1      | -0.7    | 1  |
| Illinois             | 0.1      | -0.8    | 1  |
| Oregon               | 0.1      | -0.8    | 1  |
| California           | 0.0      | -0.8    | 0  |
| Idaho                | 0.0      | -0.8    | 0  |
| Nevada               | 0.0      | -0.8    | 0  |
| New York             | 0.0      | -0.8    | 0  |
| North Dakota         | 0.0      | -0.8    | 0  |
| Puerto Rico          | 0.0      | -0.8    | 0  |
| Wyoming              | 0.0      | -0.8    | 0  |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 16: PERCENT COMPLETED INTERVIEWS MISSING MAMMOGRAM  
BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N  |
|----------------------|----------|---------|----|
| New Hampshire        | 4.0      | 3.7     | 36 |
| Massachusetts        | 3.3      | 3.0     | 35 |
| New Jersey           | 3.2      | 2.8     | 51 |
| Pennsylvania         | 2.1      | 1.7     | 46 |
| Rhode Island         | 1.9      | 1.4     | 21 |
| Connecticut          | 1.8      | 1.2     | 24 |
| Vermont              | 1.6      | 1.1     | 29 |
| North Carolina       | 1.2      | 0.6     | 26 |
| Kansas               | 1.1      | 0.5     | 14 |
| Arizona              | 1.0      | 0.4     | 10 |
| Nebraska             | 1.0      | 0.3     | 16 |
| Iowa                 | 0.9      | 0.3     | 20 |
| Tennessee            | 0.9      | 0.3     | 18 |
| Arkansas             | 0.9      | 0.3     | 10 |
| Alaska               | 0.8      | 0.2     | 7  |
| New Mexico           | 0.8      | 0.1     | 8  |
| Kentucky             | 0.7      | 0.1     | 17 |
| Maine                | 0.6      | 0.0     | 6  |
| West Virginia        | 0.6      | -0.1    | 9  |
| Michigan             | 0.6      | -0.1    | 9  |
| Colorado             | 0.6      | -0.1    | 6  |
| Maryland             | 0.6      | -0.1    | 15 |
| Missouri             | 0.5      | -0.2    | 6  |
| Alabama              | 0.5      | -0.2    | 7  |
| South Dakota         | 0.4      | -0.3    | 5  |
| Virginia             | 0.3      | -0.4    | 7  |
| Delaware             | 0.3      | -0.4    | 5  |
| Wisconsin            | 0.3      | -0.4    | 4  |
| Utah                 | 0.3      | -0.4    | 5  |
| Mississippi          | 0.3      | -0.4    | 3  |
| Indiana              | 0.2      | -0.5    | 3  |
| South Carolina       | 0.2      | -0.5    | 3  |
| Georgia              | 0.2      | -0.5    | 3  |
| Ohio                 | 0.2      | -0.6    | 3  |
| Florida              | 0.1      | -0.6    | 3  |
| District of Columbia | 0.1      | -0.6    | 1  |
| Louisiana            | 0.1      | -0.6    | 1  |
| Washington           | 0.1      | -0.6    | 2  |
| Minnesota            | 0.1      | -0.7    | 2  |
| Texas                | 0.1      | -0.7    | 1  |
| Illinois             | 0.1      | -0.7    | 1  |
| Oregon               | 0.1      | -0.7    | 1  |
| California           | 0.0      | -0.8    | 0  |
| Hawaii               | 0.0      | -0.8    | 0  |
| Idaho                | 0.0      | -0.8    | 0  |
| Montana              | 0.0      | -0.8    | 0  |
| Nevada               | 0.0      | -0.8    | 0  |
| New York             | 0.0      | -0.8    | 0  |
| North Dakota         | 0.0      | -0.8    | 0  |
| Oklahoma             | 0.0      | -0.8    | 0  |
| Puerto Rico          | 0.0      | -0.8    | 0  |
| Wyoming              | 0.0      | -0.8    | 0  |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 17: PERCENT COMPLETED INTERVIEWS MISSING PNEUMONIA VACCINATION  
BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N   |
|----------------------|----------|---------|-----|
| Massachusetts        | 5.8      | 4.4     | 103 |
| New Jersey           | 3.8      | 2.6     | 100 |
| Rhode Island         | 3.4      | 2.3     | 63  |
| New Hampshire        | 3.0      | 2.0     | 46  |
| Pennsylvania         | 2.5      | 1.5     | 90  |
| Connecticut          | 2.4      | 1.4     | 54  |
| Vermont              | 1.8      | 0.9     | 57  |
| Kansas               | 1.4      | 0.5     | 28  |
| North Carolina       | 1.3      | 0.5     | 49  |
| Texas                | 1.2      | 0.4     | 31  |
| Iowa                 | 1.2      | 0.3     | 42  |
| Nebraska             | 0.9      | 0.1     | 25  |
| Arkansas             | 0.9      | 0.1     | 16  |
| Colorado             | 0.9      | 0.1     | 16  |
| Tennessee            | 0.8      | 0.0     | 25  |
| Kentucky             | 0.8      | 0.0     | 29  |
| New Mexico           | 0.8      | 0.0     | 14  |
| Alaska               | 0.7      | -0.1    | 11  |
| Arizona              | 0.7      | -0.1    | 13  |
| Mississippi          | 0.6      | -0.2    | 10  |
| Maryland             | 0.6      | -0.2    | 28  |
| Maine                | 0.6      | -0.2    | 10  |
| Missouri             | 0.5      | -0.2    | 10  |
| Delaware             | 0.5      | -0.3    | 13  |
| Alabama              | 0.5      | -0.3    | 11  |
| Michigan             | 0.5      | -0.3    | 13  |
| South Dakota         | 0.5      | -0.3    | 11  |
| Georgia              | 0.5      | -0.3    | 11  |
| Virginia             | 0.5      | -0.3    | 16  |
| West Virginia        | 0.4      | -0.3    | 10  |
| Wisconsin            | 0.4      | -0.4    | 9   |
| Utah                 | 0.3      | -0.4    | 10  |
| Florida              | 0.2      | -0.5    | 7   |
| District of Columbia | 0.2      | -0.5    | 3   |
| Ohio                 | 0.2      | -0.6    | 5   |
| Washington           | 0.1      | -0.6    | 5   |
| South Carolina       | 0.1      | -0.6    | 2   |
| Indiana              | 0.1      | -0.6    | 2   |
| Nevada               | 0.1      | -0.6    | 2   |
| Oklahoma             | 0.1      | -0.7    | 1   |
| Oregon               | 0.0      | -0.7    | 1   |
| Minnesota            | 0.0      | -0.7    | 1   |
| California           | 0.0      | -0.7    | 0   |
| Hawaii               | 0.0      | -0.7    | 0   |
| Idaho                | 0.0      | -0.7    | 0   |
| Illinois             | 0.0      | -0.7    | 0   |
| Louisiana            | 0.0      | -0.7    | 0   |
| Montana              | 0.0      | -0.7    | 0   |
| New York             | 0.0      | -0.7    | 0   |
| North Dakota         | 0.0      | -0.7    | 0   |
| Puerto Rico          | 0.0      | -0.7    | 0   |
| Wyoming              | 0.0      | -0.7    | 0   |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 18: PERCENT COMPLETED INTERVIEWS MISSING INFLUENZA IMMUNIZATION  
BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N   |
|----------------------|----------|---------|-----|
| Massachusetts        | 5.8      | 4.8     | 103 |
| New Jersey           | 3.5      | 2.6     | 94  |
| New Hampshire        | 3.2      | 2.3     | 48  |
| Connecticut          | 2.4      | 1.6     | 55  |
| Pennsylvania         | 2.3      | 1.5     | 84  |
| Vermont              | 1.7      | 0.9     | 54  |
| Kansas               | 1.4      | 0.6     | 28  |
| North Carolina       | 1.3      | 0.6     | 49  |
| Iowa                 | 1.2      | 0.4     | 42  |
| Arkansas             | 0.9      | 0.2     | 16  |
| Nebraska             | 0.9      | 0.2     | 24  |
| Colorado             | 0.8      | 0.1     | 15  |
| Kentucky             | 0.8      | 0.1     | 29  |
| Rhode Island         | 0.8      | 0.1     | 14  |
| Alaska               | 0.8      | 0.0     | 12  |
| New Mexico           | 0.8      | 0.0     | 14  |
| Tennessee            | 0.8      | 0.0     | 23  |
| Arizona              | 0.7      | 0.0     | 13  |
| Mississippi          | 0.6      | -0.1    | 10  |
| Missouri             | 0.6      | -0.1    | 11  |
| Maryland             | 0.6      | -0.1    | 27  |
| Maine                | 0.6      | -0.1    | 10  |
| Alabama              | 0.6      | -0.2    | 12  |
| Delaware             | 0.5      | -0.2    | 13  |
| Michigan             | 0.5      | -0.2    | 13  |
| South Dakota         | 0.5      | -0.2    | 11  |
| Virginia             | 0.5      | -0.2    | 17  |
| Georgia              | 0.5      | -0.2    | 11  |
| Wisconsin            | 0.4      | -0.3    | 9   |
| West Virginia        | 0.4      | -0.3    | 9   |
| Utah                 | 0.3      | -0.4    | 10  |
| Florida              | 0.2      | -0.5    | 7   |
| District of Columbia | 0.2      | -0.5    | 3   |
| Ohio                 | 0.2      | -0.5    | 5   |
| Washington           | 0.1      | -0.6    | 5   |
| Texas                | 0.1      | -0.6    | 3   |
| South Carolina       | 0.1      | -0.6    | 2   |
| Indiana              | 0.1      | -0.6    | 2   |
| Nevada               | 0.1      | -0.6    | 2   |
| Oklahoma             | 0.1      | -0.6    | 1   |
| Oregon               | 0.0      | -0.7    | 1   |
| Minnesota            | 0.0      | -0.7    | 1   |
| California           | 0.0      | -0.7    | 0   |
| Hawaii               | 0.0      | -0.7    | 0   |
| Idaho                | 0.0      | -0.7    | 0   |
| Illinois             | 0.0      | -0.7    | 0   |
| Louisiana            | 0.0      | -0.7    | 0   |
| Montana              | 0.0      | -0.7    | 0   |
| New York             | 0.0      | -0.7    | 0   |
| North Dakota         | 0.0      | -0.7    | 0   |
| Puerto Rico          | 0.0      | -0.7    | 0   |
| Wyoming              | 0.0      | -0.7    | 0   |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 19: PERCENT COMPLETED INTERVIEWS MISSING ALCOHOL CONSUMPTION  
BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N |
|----------------------|----------|---------|---|
| Nebraska             | 0.3      | 3.7     | 8 |
| Massachusetts        | 0.2      | 1.7     | 3 |
| Tennessee            | 0.2      | 1.7     | 5 |
| Arkansas             | 0.2      | 1.7     | 3 |
| Texas                | 0.2      | 1.5     | 4 |
| New Jersey           | 0.2      | 1.4     | 4 |
| Pennsylvania         | 0.1      | 1.2     | 5 |
| South Dakota         | 0.1      | 1.2     | 3 |
| Connecticut          | 0.1      | 1.1     | 3 |
| District of Columbia | 0.1      | 1.1     | 2 |
| North Carolina       | 0.1      | 0.8     | 4 |
| Colorado             | 0.1      | 0.8     | 2 |
| Kansas               | 0.1      | 0.6     | 2 |
| South Carolina       | 0.1      | 0.5     | 2 |
| New York             | 0.1      | 0.4     | 3 |
| Indiana              | 0.1      | 0.4     | 2 |
| Washington           | 0.1      | 0.4     | 3 |
| Maryland             | 0.1      | 0.1     | 3 |
| Alaska               | 0.1      | 0.1     | 1 |
| Mississippi          | 0.1      | 0.0     | 1 |
| Vermont              | 0.1      | 0.0     | 2 |
| Louisiana            | 0.1      | 0.0     | 1 |
| Maine                | 0.1      | 0.0     | 1 |
| Virginia             | 0.1      | -0.1    | 2 |
| New Mexico           | 0.1      | -0.1    | 1 |
| North Dakota         | 0.1      | -0.1    | 1 |
| Rhode Island         | 0.1      | -0.1    | 1 |
| Alabama              | 0.0      | -0.2    | 1 |
| Michigan             | 0.0      | -0.3    | 1 |
| Oregon               | 0.0      | -0.5    | 1 |
| Florida              | 0.0      | -0.5    | 1 |
| Iowa                 | 0.0      | -0.5    | 1 |
| Kentucky             | 0.0      | -0.5    | 1 |
| Idaho                | 0.0      | -0.6    | 1 |
| Arizona              | 0.0      | -0.9    | 0 |
| California           | 0.0      | -0.9    | 0 |
| Delaware             | 0.0      | -0.9    | 0 |
| Georgia              | 0.0      | -0.9    | 0 |
| Hawaii               | 0.0      | -0.9    | 0 |
| Illinois             | 0.0      | -0.9    | 0 |
| Minnesota            | 0.0      | -0.9    | 0 |
| Missouri             | 0.0      | -0.9    | 0 |
| Montana              | 0.0      | -0.9    | 0 |
| Nevada               | 0.0      | -0.9    | 0 |
| New Hampshire        | 0.0      | -0.9    | 0 |
| Ohio                 | 0.0      | -0.9    | 0 |
| Oklahoma             | 0.0      | -0.9    | 0 |
| Puerto Rico          | 0.0      | -0.9    | 0 |
| Utah                 | 0.0      | -0.9    | 0 |
| West Virginia        | 0.0      | -0.9    | 0 |
| Wisconsin            | 0.0      | -0.9    | 0 |
| Wyoming              | 0.0      | -0.9    | 0 |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 20: PERCENT COMPLETED INTERVIEWS MISSING SEAT BELT USE BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N  |
|----------------------|----------|---------|----|
| Arkansas             | 2.6      | 7.0     | 47 |
| Nebraska             | 0.2      | 0.3     | 6  |
| Ohio                 | 0.2      | 0.2     | 6  |
| New Jersey           | 0.2      | 0.2     | 5  |
| Iowa                 | 0.2      | 0.2     | 6  |
| Pennsylvania         | 0.1      | 0.1     | 5  |
| North Carolina       | 0.1      | 0.1     | 5  |
| Wisconsin            | 0.1      | 0.1     | 3  |
| District of Columbia | 0.1      | 0.1     | 2  |
| Idaho                | 0.1      | 0.0     | 6  |
| Maine                | 0.1      | 0.0     | 2  |
| Missouri             | 0.1      | 0.0     | 2  |
| Alabama              | 0.1      | 0.0     | 2  |
| South Dakota         | 0.1      | 0.0     | 2  |
| Connecticut          | 0.1      | 0.0     | 2  |
| Indiana              | 0.1      | -0.1    | 2  |
| Wyoming              | 0.1      | -0.1    | 2  |
| Texas                | 0.1      | -0.1    | 2  |
| Tennessee            | 0.1      | -0.1    | 2  |
| Vermont              | 0.1      | -0.1    | 2  |
| North Dakota         | 0.1      | -0.1    | 1  |
| Washington           | 0.1      | -0.1    | 2  |
| Arizona              | 0.1      | -0.1    | 1  |
| South Carolina       | 0.0      | -0.2    | 1  |
| Georgia              | 0.0      | -0.2    | 1  |
| West Virginia        | 0.0      | -0.2    | 1  |
| Nevada               | 0.0      | -0.2    | 1  |
| Michigan             | 0.0      | -0.2    | 1  |
| Oregon               | 0.0      | -0.2    | 1  |
| New York             | 0.0      | -0.2    | 1  |
| Kentucky             | 0.0      | -0.2    | 1  |
| Virginia             | 0.0      | -0.2    | 1  |
| Maryland             | 0.0      | -0.2    | 1  |
| Alaska               | 0.0      | -0.3    | 0  |
| California           | 0.0      | -0.3    | 0  |
| Colorado             | 0.0      | -0.3    | 0  |
| Delaware             | 0.0      | -0.3    | 0  |
| Florida              | 0.0      | -0.3    | 0  |
| Hawaii               | 0.0      | -0.3    | 0  |
| Illinois             | 0.0      | -0.3    | 0  |
| Kansas               | 0.0      | -0.3    | 0  |
| Louisiana            | 0.0      | -0.3    | 0  |
| Massachusetts        | 0.0      | -0.3    | 0  |
| Minnesota            | 0.0      | -0.3    | 0  |
| Mississippi          | 0.0      | -0.3    | 0  |
| Montana              | 0.0      | -0.3    | 0  |
| New Hampshire        | 0.0      | -0.3    | 0  |
| New Mexico           | 0.0      | -0.3    | 0  |
| Oklahoma             | 0.0      | -0.3    | 0  |
| Puerto Rico          | 0.0      | -0.3    | 0  |
| Rhode Island         | 0.0      | -0.3    | 0  |
| Utah                 | 0.0      | -0.3    | 0  |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 21: PERCENT COMPLETED INTERVIEWS MISSING SMOKE DETECTOR BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N  |
|----------------------|----------|---------|----|
| Texas                | 3.1      | 7.0     | 77 |
| Arkansas             | 0.3      | 0.4     | 5  |
| North Carolina       | 0.2      | 0.3     | 8  |
| New Mexico           | 0.2      | 0.2     | 3  |
| Nebraska             | 0.1      | 0.1     | 4  |
| Pennsylvania         | 0.1      | 0.1     | 5  |
| District of Columbia | 0.1      | 0.1     | 2  |
| Maryland             | 0.1      | 0.0     | 5  |
| Connecticut          | 0.1      | 0.0     | 2  |
| Nevada               | 0.1      | 0.0     | 2  |
| New Jersey           | 0.1      | -0.1    | 2  |
| Alaska               | 0.1      | -0.1    | 1  |
| Oregon               | 0.1      | -0.1    | 2  |
| Maine                | 0.1      | -0.1    | 1  |
| Rhode Island         | 0.1      | -0.1    | 1  |
| Kansas               | 0.1      | -0.1    | 1  |
| South Carolina       | 0.0      | -0.1    | 1  |
| South Dakota         | 0.0      | -0.1    | 1  |
| Indiana              | 0.0      | -0.1    | 1  |
| Michigan             | 0.0      | -0.1    | 1  |
| Utah                 | 0.0      | -0.1    | 1  |
| Tennessee            | 0.0      | -0.2    | 1  |
| Iowa                 | 0.0      | -0.2    | 1  |
| Alabama              | 0.0      | -0.2    | 0  |
| Arizona              | 0.0      | -0.2    | 0  |
| California           | 0.0      | -0.2    | 0  |
| Colorado             | 0.0      | -0.2    | 0  |
| Delaware             | 0.0      | -0.2    | 0  |
| Florida              | 0.0      | -0.2    | 0  |
| Georgia              | 0.0      | -0.2    | 0  |
| Hawaii               | 0.0      | -0.2    | 0  |
| Idaho                | 0.0      | -0.2    | 0  |
| Illinois             | 0.0      | -0.2    | 0  |
| Kentucky             | 0.0      | -0.2    | 0  |
| Louisiana            | 0.0      | -0.2    | 0  |
| Massachusetts        | 0.0      | -0.2    | 0  |
| Minnesota            | 0.0      | -0.2    | 0  |
| Mississippi          | 0.0      | -0.2    | 0  |
| Missouri             | 0.0      | -0.2    | 0  |
| Montana              | 0.0      | -0.2    | 0  |
| New Hampshire        | 0.0      | -0.2    | 0  |
| New York             | 0.0      | -0.2    | 0  |
| North Dakota         | 0.0      | -0.2    | 0  |
| Ohio                 | 0.0      | -0.2    | 0  |
| Oklahoma             | 0.0      | -0.2    | 0  |
| Puerto Rico          | 0.0      | -0.2    | 0  |
| Vermont              | 0.0      | -0.2    | 0  |
| Virginia             | 0.0      | -0.2    | 0  |
| Washington           | 0.0      | -0.2    | 0  |
| West Virginia        | 0.0      | -0.2    | 0  |
| Wisconsin            | 0.0      | -0.2    | 0  |
| Wyoming              | 0.0      | -0.2    | 0  |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)

TABLE 22: PERCENT COMPLETED INTERVIEWS MISSING SIGMOIDSCOPY BY STATE, 1997

| STATE                | PERCENT* | Z-SCORE | N  |
|----------------------|----------|---------|----|
| Massachusetts        | 7.0      | 4.1     | 69 |
| New Hampshire        | 4.4      | 2.3     | 41 |
| Rhode Island         | 4.0      | 2.0     | 45 |
| New Jersey           | 3.9      | 1.9     | 63 |
| Pennsylvania         | 3.7      | 1.8     | 83 |
| Maryland             | 3.2      | 1.4     | 87 |
| Connecticut          | 3.0      | 1.3     | 41 |
| Vermont              | 2.7      | 1.0     | 53 |
| Kansas               | 2.3      | 0.7     | 27 |
| North Carolina       | 2.1      | 0.7     | 47 |
| Arkansas             | 2.1      | 0.6     | 24 |
| Iowa                 | 1.8      | 0.4     | 41 |
| Tennessee            | 1.4      | 0.1     | 25 |
| South Carolina       | 1.4      | 0.1     | 18 |
| Alaska               | 1.3      | 0.1     | 12 |
| Michigan             | 1.3      | 0.0     | 19 |
| Wisconsin            | 1.3      | 0.0     | 17 |
| Nebraska             | 1.2      | 0.0     | 21 |
| New Mexico           | 1.1      | -0.1    | 12 |
| Missouri             | 1.1      | -0.1    | 12 |
| District of Columbia | 1.0      | -0.2    | 8  |
| Colorado             | 1.0      | -0.2    | 11 |
| Alabama              | 0.9      | -0.2    | 12 |
| Kentucky             | 0.9      | -0.3    | 20 |
| Maine                | 0.8      | -0.3    | 9  |
| Florida              | 0.8      | -0.3    | 19 |
| Arizona              | 0.8      | -0.3    | 10 |
| Texas                | 0.8      | -0.3    | 11 |
| South Dakota         | 0.7      | -0.4    | 10 |
| Georgia              | 0.7      | -0.4    | 9  |
| Delaware             | 0.7      | -0.4    | 11 |
| Utah                 | 0.6      | -0.4    | 10 |
| West Virginia        | 0.6      | -0.5    | 9  |
| Virginia             | 0.5      | -0.5    | 11 |
| Indiana              | 0.5      | -0.5    | 7  |
| Mississippi          | 0.4      | -0.6    | 4  |
| Washington           | 0.3      | -0.6    | 7  |
| Hawaii               | 0.3      | -0.7    | 4  |
| Nevada               | 0.3      | -0.7    | 4  |
| Ohio                 | 0.2      | -0.7    | 5  |
| Louisiana            | 0.2      | -0.7    | 2  |
| Minnesota            | 0.1      | -0.8    | 4  |
| New York             | 0.1      | -0.8    | 2  |
| North Dakota         | 0.1      | -0.8    | 1  |
| Oklahoma             | 0.1      | -0.8    | 1  |
| Oregon               | 0.0      | -0.8    | 1  |
| Idaho                | 0.0      | -0.9    | 1  |
| California           | 0.0      | -0.9    | 0  |
| Illinois             | 0.0      | -0.9    | 0  |
| Montana              | 0.0      | -0.9    | 0  |
| Puerto Rico          | 0.0      | -0.9    | 0  |
| Wyoming              | 0.0      | -0.9    | 0  |

\* Weighted probability of selection (number of phones, number of adults, and selection of telephone numbers by stratum)