



# **1996 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 have been added in this report. Section 2 contains five tables comparing demographic characteristics of BRFSS sample data with that of the population for each state. Section 3 presents 27 tables showing non-response rates for selected items from the core and module sections.

These new tables add to the quality profile of the BRFSS data.

**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 6), 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.

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.

**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.

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, 1995-1995 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, 1996.

## **NEW 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. Some of the new measures of survey quality are presented for 1996 data in this report. In Section 2, several tables 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, 1996**

State	1		2		3		4		5		6		7		8		9		10		11		TOTAL
	No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%	No
AK	1536	23.7	532	8.2	2195	33.8	662	10.2	1088	16.8	21	0.3	286	4.4	41	0.6	14	0.2	86	1.3	31	0.5	6492
AL	2138	37.0	567	9.8	1242	21.5	851	14.7	550	9.5	37	0.6	184	3.2	5	0.1	2	0.0	91	1.6	111	1.9	5778
AR	1800	19.8	661	7.3	4204	46.1	721	7.9	1046	11.5	267	2.9	185	2.0	27	0.3	0	0.0	25	0.3	177	1.9	9113
AZ	1957	32.2	423	7.0	1638	27.0	1000	16.5	728	12.0	50	0.8	156	2.6	50	0.8	0	0.0	48	0.8	24	0.4	6074
CA	4003	33.6	1819	15.3	839	7.1	2512	21.1	1150	9.7	62	0.5	551	4.6	585	4.9	159	1.3	94	0.8	124	1.0	11898
CO	1806	28.6	364	5.8	1916	30.4	316	5.0	1618	25.6	43	0.7	129	2.0	24	0.4	1	0.0	14	0.2	82	1.3	6313
CT	1838	20.1	523	5.7	3624	39.6	894	9.8	1674	18.3	38	0.4	364	4.0	84	0.9	3	0.0	47	0.5	54	0.6	9143
DC	1201	19.1	259	4.1	2125	33.7	895	14.2	1292	20.5	4	0.1	268	4.3	78	1.2	13	0.2	44	0.7	120	1.9	6299
DE	2125	34.0	359	5.7	1246	19.9	1212	19.4	873	14.0	31	0.5	266	4.3	28	0.4	20	0.3	16	0.3	74	1.2	6250
FL	3576	26.3	1586	11.7	2909	21.4	2139	15.7	2211	16.2	235	1.7	572	4.2	90	0.7	25	0.2	46	0.3	224	1.6	13613
GA	2382	46.3	155	3.0	1153	22.4	739	14.4	622	12.1	5	0.1	40	0.8	13	0.3	4	0.1	14	0.3	13	0.3	5140
HI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IA	3600	40.0	581	6.5	2517	28.0	578	6.4	1173	13.0	6	0.1	286	3.2	23	0.3	22	0.2	13	0.1	194	2.2	8993
ID	2735	28.4	1123	11.7	2110	21.9	1417	14.7	1537	16.0	58	0.6	293	3.0	41	0.4	67	0.7	89	0.9	149	1.5	9619
IL	2880	21.9	2459	18.7	3314	25.2	1360	10.4	2107	16.0	107	0.8	549	4.2	147	1.1	35	0.3	0	0.0	182	1.4	13140
IN	2212	37.2	479	8.1	1770	29.8	496	8.4	623	10.5	30	0.5	258	4.3	11	0.2	4	0.1	17	0.3	39	0.7	5939
KS	2008	59.7	163	4.8	391	11.6	369	11.0	212	6.3	21	0.6	140	4.2	11	0.3	3	0.1	5	0.1	38	1.1	3361
KY	3618	29.0	677	5.4	4231	33.9	1197	9.6	1457	11.7	28	0.2	937	7.5	9	0.1	15	0.1	114	0.9	194	1.6	12477
LA	1656	30.0	623	11.3	1371	24.8	809	14.7	635	11.5	145	2.6	150	2.7	27	0.5	0	0.0	32	0.6	73	1.3	5521
MA	1782	23.3	817	10.7	2142	28.0	460	6.0	1919	25.1	34	0.4	311	4.1	44	0.6	15	0.2	84	1.1	40	0.5	7648
MD	4482	27.3	3117	19.0	3663	22.3	1681	10.3	2821	17.2	42	0.3	363	2.2	84	0.5	19	0.1	58	0.4	70	0.4	16400
ME	1699	33.2	458	9.0	1491	29.2	497	9.7	531	10.4	59	1.2	281	5.5	5	0.1	17	0.3	30	0.6	45	0.9	5113
MI	2488	19.1	1411	10.9	5889	45.3	598	4.6	1784	13.7	251	1.9	428	3.3	33	0.3	15	0.1	21	0.2	82	0.6	13000
MN	4405	33.4	556	4.2	4108	31.2	1766	13.4	1651	12.5	84	0.6	298	2.3	59	0.4	7	0.1	153	1.2	96	0.7	13183
MO	1550	24.6	753	12.0	1550	24.6	1182	18.8	913	14.5	30	0.5	137	2.2	16	0.3	29	0.5	54	0.9	78	1.2	6292
MS	1592	35.2	376	8.3	956	21.1	716	15.8	574	12.7	23	0.5	164	3.6	7	0.2	23	0.5	29	0.6	64	1.4	4524
MT	1803	34.8	224	4.3	1361	26.2	606	11.7	792	15.3	41	0.8	218	4.2	2	0.0	2	0.0	29	0.6	107	2.1	5185
NC	2794	27.8	612	6.1	3111	30.9	1845	18.3	1102	11.0	29	0.3	409	4.1	24	0.2	0	0.0	43	0.4	91	0.9	10060
ND	1811	43.2	115	2.7	1226	29.2	320	7.6	504	12.0	38	0.9	130	3.1	3	0.1	0	0.0	9	0.2	39	0.9	4195
NE	2102	17.7	405	3.4	6510	54.7	918	7.7	1159	9.7	28	0.2	225	1.9	48	0.4	5	0.0	446	3.7	52	0.4	11898
NH	1502	26.3	417	7.3	1459	25.5	953	16.7	830	14.5	96	1.7	354	6.2	16	0.3	13	0.2	32	0.6	49	0.9	5721
NJ	3149	16.9	955	5.1	6908	37.1	2546	13.7	3375	18.1	172	0.9	1031	5.5	201	1.1	11	0.1	138	0.7	110	0.6	18596
NM	1096	27.0	473	11.7	1045	25.8	582	14.3	682	16.8	38	0.9	64	1.6	7	0.2	4	0.1	23	0.6	42	1.0	4056
NV	1800	54.9	266	8.1	310	9.4	218	6.6	260	7.9	131	4.0	108	3.3	99	3.0	0	0.0	55	1.7	34	1.0	3281
NY	4312	21.2	2571	12.6	4579	22.5	3389	16.7	3044	15.0	24	0.1	980	4.8	837	4.1	131	0.6	199	1.0	269	1.3	20335
OH	1806	28.6	364	5.8	1916	30.4	316	5.0	1618	25.6	43	0.7	129	2.0	24	0.4	1	0.0	14	0.2	82	1.3	6313
OK	1925	25.6	520	6.9	2344	31.1	1404	18.7	1021	13.6	44	0.6	153	2.0	10	0.1	19	0.3	45	0.6	41	0.5	7526
OR	2932	21.9	1363	10.2	4710	35.2	710	5.3	2633	19.7	62	0.5	615	4.6	132	1.0	74	0.6	68	0.5	74	0.6	13373
PA	3595	20.2	1006	5.7	8042	45.3	1439	8.1	2631	14.8	66	0.4	707	4.0	64	0.4	7	0.0	93	0.5	113	0.6	17763
RI	1849	25.9	756	10.6	2299	32.1	374	5.2	1394	19.5	33	0.5	311	4.3	41	0.6	15	0.2	42	0.6	37	0.5	7151
SC	1879	26.1	582	8.1	2052	28.5	1560	21.7	775	10.8	101	1.4	101	1.4	8	0.1	17	0.2	86	1.2	38	0.5	7199
SD	2107	37.5	338	6.0	1918	34.1	560	10.0	462	8.2	15	0.3	170	3.0	4	0.1	6	0.1	9	0.2	30	0.5	5619
TN	3059	30.2	1030	10.2	2732	27.0	1687	16.7	1108	11.0	52	0.5	243	2.4	37	0.4	17	0.2	75	0.7	75	0.7	10115
TX	1706	30.4	598	10.7	989	17.6	986	17.6	788	14.0	35	0.6	333	5.9	19	0.3	2	0.0	39	0.7	116	2.1	5611
UT	2887	34.1	360	4.3	2277	26.9	1201	14.2	1297	15.3	58	0.7	176	2.1	88	1.0	6	0.1	63	0.7	56	0.7	8469
VA	1892	18.7	585	5.8	4390	43.3	674	6.6	1862	18.4	53	0.5	409	4.0	110	1.1	1	0.0	0	0.0	163	1.6	10139
VT	2505	19.0	360	2.7	7375	55.9	1012	7.7	1343	10.2	119	0.9	349	2.6	13	0.1	2	0.0	55	0.4	60	0.5	13193
WA	3591	22.8	1729	11.0	4695	29.8	1118	7.1	3143	19.9	117	0.7	719	4.6	183	1.2	92	0.6	191	1.2	183	1.2	15761
WI	2231	24.6	808	8.9	4018	44.3	155	1.7	1590	17.5	98	1.1	67	0.7	0	0.0	40	0.4	14	0.2	51	0.6	9072
WV	2420	41.3	580	9.9	1211	20.7	615	10.5	620	10.6	27	0.5	220	3.8	2	0.0	10	0.2	39	0.7	112	1.9	5856
WY	2532	29.4	677	7.9	2181	25.3	1271	14.8	1442	16.7	38	0.4	205	2.4	22	0.3	43	0.5	92	1.1	113	1.3	8616
CUM	120354	27.0	38535	8.6	138252	31.0	51526	11.5	66264	14.8	3269	0.7	16022	3.6	3536	0.8	1030	0.2	3123	0.7	4515	1.0	446426
MED	2116	28.1	*****	8.0	*****	28.3	*****	10.8	*****	14.0	*****	0.6	*****	3.5	*****	0.4	*****	0.1	*****	0.6	*****	1.0	*****

**BRFSS CASRO RESPONSE RATE ESTIMATES\***  
**BY STATE, 1992-1996**

State	1992		1993		1994		1995		1996	
	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met
AK	77.3	Y	75.1	Y	74.6	N	68.4	N	62.9	N
AL	91.9	Y	91.1	Y	71.0	N	68.3	N	69.1	N
AR	NA	NA	69.7	N	71.9	N	65.7	N	62.5	N
AZ	70.6	N	64.2	N	63.5	N	65.1	N	67.1	N
CA	72.3	N	63.5	N	61.4	N	52.3	N	47.9	N
CO	81.6	Y	75.8	Y	74.8	N	77.4	Y	74.4	N
CT	58.3	N	65.1	N	75.9	Y	65.1	N	60.4	N
DC	69.3	N	79.1	Y	76.1	Y	NA	NA	64.1	N
DE	75.0	Y	73.6	N	69.7	N	68.3	N	63.5	N
FL	64.6	N	66.0	N	66.7	N	54.6	N	55.8	N
GA	67.0	N	63.3	N	62.5	N	77.6	Y	87.1	Y
HI	71.2	N	61.9	N	59.6	N	48.6	N	NA	NA
IA	80.7	Y	78.4	Y	75.3	Y	73.3	N	74.9	N
ID	81.2	Y	73.6	N	66.2	N	66.8	N	59.6	N
IL	70.4	N	71.3	N	71.5	N	61.6	N	45.6	N
IN	82.5	Y	80.1	Y	77.1	Y	78.9	Y	73.2	N
KS	82.4	Y	81.2	Y	77.9	Y	73.6	N	77.5	Y
KY	73.7	N	73.8	N	73.6	N	72.6	N	65.5	N
LA	17.9	N	64.1	N	67.3	N	67.3	N	62.7	N
MA	59.9	N	62.8	N	65.4	N	60.4	N	56.6	N
MD	62.3	N	58.2	N	58.6	N	60.9	N	54.6	N
ME	76.3	Y	73.6	N	73.2	N	70.2	N	66.0	N
MI	57.4	N	50.6	N	42.6	N	56.0	N	54.6	N
MN	75.4	Y	74.9	N	73.3	N	78.1	Y	73.6	N
MO	67.0	N	62.5	N	63.3	N	59.1	N	59.5	N
MS	67.4	N	73.6	N	73.1	N	75.4	Y	71.3	N
MT	76.1	Y	75.8	Y	74.7	N	77.5	Y	76.5	Y
NC	72.1	N	69.4	N	68.3	N	69.2	N	59.3	N
ND	86.6	Y	85.3	Y	86.8	Y	84.5	Y	85.6	Y
NE	79.0	Y	75.9	Y	70.2	N	67.5	N	68.0	N
NH	70.0	N	65.4	N	62.0	N	59.5	N	59.3	N
NJ	52.1	N	65.5	N	67.5	N	66.9	N	52.4	N
NM	63.5	N	53.7	N	53.3	N	52.5	N	61.2	N
NV	74.9	N	77.5	Y	76.0	Y	77.4	Y	75.9	Y
NY	68.2	N	65.4	N	60.6	N	60.2	N	50.6	N
OH	59.8	N	59.4	N	66.2	N	69.5	N	74.4	N
OK	72.6	N	82.2	Y	71.2	N	76.2	Y	72.8	N
OR	65.4	N	65.6	N	65.3	N	56.9	N	55.4	N
PA	65.5	N	66.5	N	66.0	N	64.1	N	61.8	N
RI	74.7	N	73.1	N	NA	NA	68.7	N	59.4	N
SC	63.1	N	66.0	N	76.8	Y	74.5	N	60.9	N
SD	82.8	Y	81.7	Y	79.4	Y	81.2	Y	76.8	Y
TN	68.8	N	68.2	N	65.4	N	68.7	N	62.5	N
TX	58.1	N	54.6	N	57.7	N	60.2	N	52.8	N
UT	80.1	Y	76.1	Y	79.4	Y	78.5	Y	77.6	Y
VA	66.0	N	72.7	N	60.9	N	62.3	N	61.2	N
VT	69.6	N	71.5	N	72.3	N	74.5	N	71.6	N
WA	60.7	N	62.6	N	64.8	N	61.4	N	53.7	N
WI	74.3	N	76.7	Y	74.7	N	71.9	N	69.6	N
WV	77.3	Y	77.7	Y	77.5	Y	77.5	Y	71.8	N
WY	NA	NA	NA	NA	66.9	N	69.2	N	67.7	N
MEDIAN	70.6	N	71.4	N	70.0	N	68.4	N	63.2	N
RANGE	17.9-91.9	16 of 49	50.6-91.1	16 of 50	42.6-86.8	11 of 50	48.6-84.5	12 of 50	45.6-87.1	7 of 50

\*Excluding wind-down records



**BRFSS UPPER BOUND RESPONSE RATE ESTIMATES\*  
BY STATE, 1992-1996**

State	1992		1993		1994		1995		1996	
	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met
AK	86.4	N	85.8	N	84.7	N	80.0	N	75.3	N
AL	94.7	Y	96.5	Y	80.0	N	79.9	N	80.6	N
AR	NA	NA	79.6	N	81.4	N	76.0	N	73.1	N
AZ	78.1	N	71.5	N	74.6	N	73.6	N	81.9	N
CA	80.7	N	78.5	N	77.6	N	70.3	N	66.9	N
CO	89.1	N	88.4	N	86.0	N	86.1	N	83.2	N
CT	81.1	N	85.6	N	88.0	N	78.9	N	77.7	N
DC	83.6	N	90.7	Y	88.3	N	NA	NA	82.1	N
DE	93.2	Y	89.9	N	89.4	N	89.9	N	85.1	N
FL	80.7	N	79.0	N	77.4	N	77.1	N	70.0	N
GA	86.1	N	73.2	N	68.5	N	83.4	N	93.5	Y
HI	82.9	N	81.1	N	79.8	N	82.2	N	NA	NA
IA	89.4	N	86.0	N	82.3	N	86.9	N	85.7	N
ID	94.8	N	82.3	N	77.8	N	76.0	N	69.8	N
IL	83.8	N	85.0	N	83.0	N	73.2	N	54.1	N
IN	89.6	N	88.7	N	85.5	Y	89.9	N	82.5	N
KS	90.8	N	95.2	Y	93.8	Y	89.9	N	92.5	Y
KY	88.4	N	89.2	N	88.5	N	87.1	N	84.1	N
LA	42.2	N	75.2	N	76.8	N	77.4	N	74.6	N
MA	65.3	N	69.3	N	72.6	N	69.1	N	68.2	N
MD	84.0	N	76.7	N	72.4	N	75.7	N	60.1	N
ME	85.5	N	84.0	N	83.0	N	83.8	N	78.2	N
MI	79.3	N	73.9	N	66.1	N	80.1	N	63.6	N
MN	87.3	N	86.1	N	84.9	N	92.9	Y	89.0	N
MO	77.1	N	72.1	N	73.6	N	68.6	N	68.6	N
MS	78.7	N	83.2	N	85.2	N	85.3	N	81.2	N
MT	89.6	N	90.2	Y	88.1	N	88.7	N	88.6	N
NC	83.9	N	81.8	N	82.5	N	86.8	N	81.8	N
ND	94.5	Y	94.3	Y	95.4	Y	95.0	Y	94.4	Y
NE	88.8	N	88.3	N	83.2	N	80.4	N	83.7	N
NH	79.7	N	75.7	N	76.7	N	78.7	N	77.3	N
NJ	76.5	N	85.3	N	86.5	N	86.7	N	76.5	N
NM	75.0	N	63.0	N	61.9	N	60.5	N	69.5	N
NV	88.7	N	89.4	N	86.6	N	90.4	Y	87.1	N
NY	81.1	N	77.9	N	74.9	N	72.4	N	62.3	N
OH	73.7	N	74.2	N	79.4	N	81.4	N	83.2	N
OK	81.2	N	87.3	N	75.2	N	79.2	N	78.5	N
OR	74.6	N	75.9	N	76.9	N	67.9	N	67.1	N
PA	70.6	N	70.5	N	70.3	N	69.0	N	78.0	N
RI	80.5	N	78.8	N	NA	NA	76.9	N	70.6	N
SC	81.4	N	81.0	N	84.2	N	83.9	N	75.9	N
SD	92.1	Y	91.5	Y	90.6	Y	89.0	N	86.1	N
TN	81.0	N	79.5	N	77.7	N	79.9	N	75.0	N
TX	74.8	N	75.3	N	73.4	N	75.6	N	74.0	N
UT	89.4	N	85.2	N	87.7	N	87.4	N	88.3	N
VA	79.5	N	81.4	N	76.2	N	75.9	N	76.4	N
VT	91.8	Y	87.5	N	88.3	N	89.3	N	87.4	N
WA	70.8	N	71.1	N	73.5	N	72.0	N	66.4	N
WI	78.0	N	79.9	N	78.4	N	74.5	N	72.5	N
WV	83.6	N	85.1	N	85.0	N	85.0	N	81.2	N
WY	NA	NA	NA	NA	81.4	N	79.5	N	77.9	N
MEDIAN	82.9	N	82.1	N	81.4	N	80.0	N	77.9	N
RANGE	42.2-94.8	7 of 49	63.0-96.5	6 of 50	61.9-95.4	3 of 50	60.5-95.0	3 of 50	54.1-94.4	3 of 50

\*Excluding wind-down records

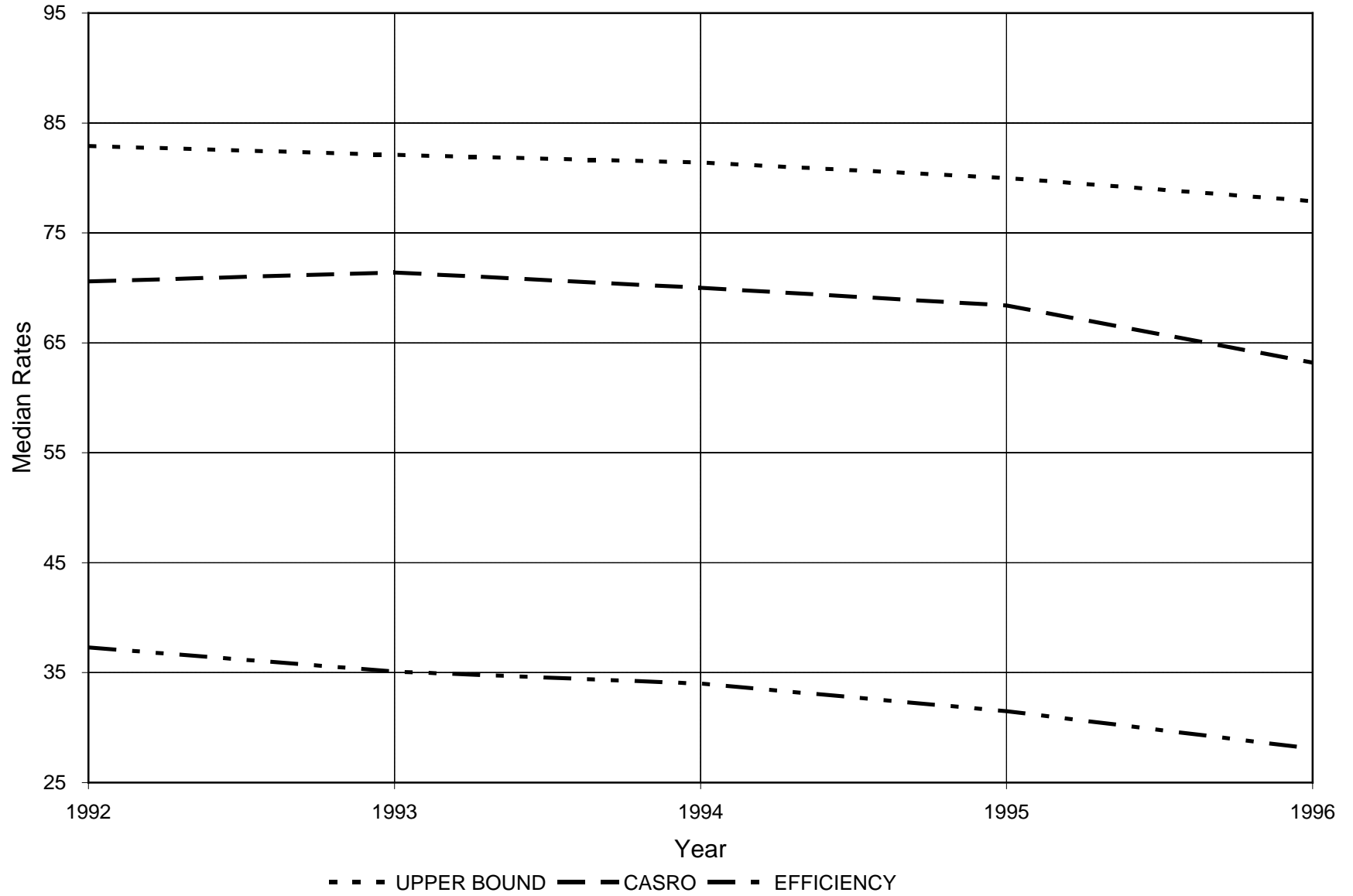
**BRESS EFFICIENCY RATES  
BY STATE, 1992-1996**

State	1992		1993		1994		1995		1996	
	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met
AK	27.6	N	17.1	N	23.8	N	22.4	N	23.7	N
AL	60.8	Y	58.0	Y	45.2	Y	40.6	Y	37.0	N
AR	NA	NA	39.7	N	38.2	N	35.6	N	19.8	N
AZ	35.2	N	30.9	N	33.3	N	31.5	N	32.2	N
CA	33.5	N	24.5	N	36.1	N	31.5	N	33.6	N
CO	42.6	Y	35.1	N	31.4	N	29.0	N	28.6	N
CT	39.9	N	52.3	Y	49.5	Y	26.3	N	20.1	N
DC	21.8	N	29.1	N	29.1	N	NA	NA	19.1	N
DE	41.0	Y	42.0	Y	40.0	Y	38.8	N	34.0	N
FL	35.2	N	33.5	N	36.1	N	30.3	N	26.3	N
GA	37.2	N	34.9	N	29.0	N	38.2	N	46.3	Y
HI	28.3	N	25.6	N	22.6	N	17.9	N	NA	NA
IA	41.9	Y	42.8	Y	39.4	N	41.1	Y	40.0	Y
ID	48.1	Y	33.4	N	27.0	N	31.5	N	28.4	N
IL	29.2	N	27.0	N	27.0	N	23.6	N	21.9	N
IN	44.7	Y	44.6	Y	39.3	N	41.6	Y	37.2	N
KS	8.2	N	56.3	Y	60.6	Y	54.3	Y	59.7	Y
KY	36.0	N	35.0	N	30.3	N	35.4	N	29.0	N
LA	13.0	N	33.3	N	35.8	N	33.6	N	30.0	N
MA	25.9	N	34.6	N	35.5	N	25.1	N	23.3	N
MD	34.2	N	28.7	N	28.2	N	27.5	N	27.3	N
ME	36.7	N	35.7	N	36.5	N	35.4	N	33.2	N
MI	30.6	N	25.1	N	21.9	N	10.4	N	19.1	N
MN	44.0	Y	44.9	Y	40.8	Y	34.5	N	33.4	N
MO	35.4	N	29.0	N	28.8	N	22.7	N	24.6	N
MS	40.2	Y	41.2	Y	37.5	N	42.5	Y	35.2	N
MT	39.5	N	36.1	N	35.0	N	36.0	N	34.8	N
NC	37.3	N	30.3	N	29.8	N	30.7	N	27.8	N
ND	46.6	Y	47.7	Y	44.3	Y	43.6	Y	43.2	Y
NE	22.0	N	28.6	N	29.8	N	19.3	N	17.7	N
NH	40.1	Y	28.8	N	25.9	N	26.4	N	26.3	N
NJ	36.8	N	52.0	Y	53.8	Y	45.5	Y	16.9	N
NM	37.1	N	29.3	N	25.8	N	24.9	N	27.0	N
NV	55.8	Y	54.0	Y	42.7	Y	58.8	Y	54.9	Y
NY	33.4	N	29.9	N	27.5	N	24.0	N	21.2	N
OH	35.0	N	34.5	N	29.6	N	29.7	N	28.6	N
OK	35.9	N	42.7	Y	23.6	N	30.0	N	25.6	N
OR	40.3	Y	35.2	N	32.4	N	25.9	N	21.9	N
PA	29.5	N	36.3	N	36.3	N	32.2	N	20.2	N
RI	38.2	N	40.7	Y	NA	NA	29.6	N	25.9	N
SC	32.4	N	26.2	N	31.6	N	30.4	N	26.1	N
SD	50.5	Y	53.1	Y	48.5	Y	39.5	N	37.5	N
TN	39.3	N	39.3	N	30.1	N	35.3	N	30.2	N
TX	32.5	N	28.3	N	32.4	N	31.0	N	30.4	N
UT	37.8	N	31.7	N	34.7	N	33.3	N	34.1	N
VA	39.3	N	39.0	N	36.1	N	33.6	N	18.7	N
VT	39.9	N	44.0	Y	46.3	Y	35.0	N	19.0	N
WA	38.1	N	41.0	Y	41.2	Y	37.9	N	22.8	N
WI	26.6	N	27.5	N	26.8	N	27.0	N	24.6	N
WV	43.6	Y	43.1	Y	42.1	Y	42.5	Y	41.3	Y
WY	NA	NA	NA	NA	28.7	N	27.6	N	29.4	N
MEDIAN	37.3	N	35.1	N	34.0	N	31.5	N	28.1	N
RANGE	8.2-60.8	14 of 49	17.1-58.0	17 of 50	21.9-60.6	12 of 50	10.4-58.8	9 of 50	16.9-59.7	6 of 50

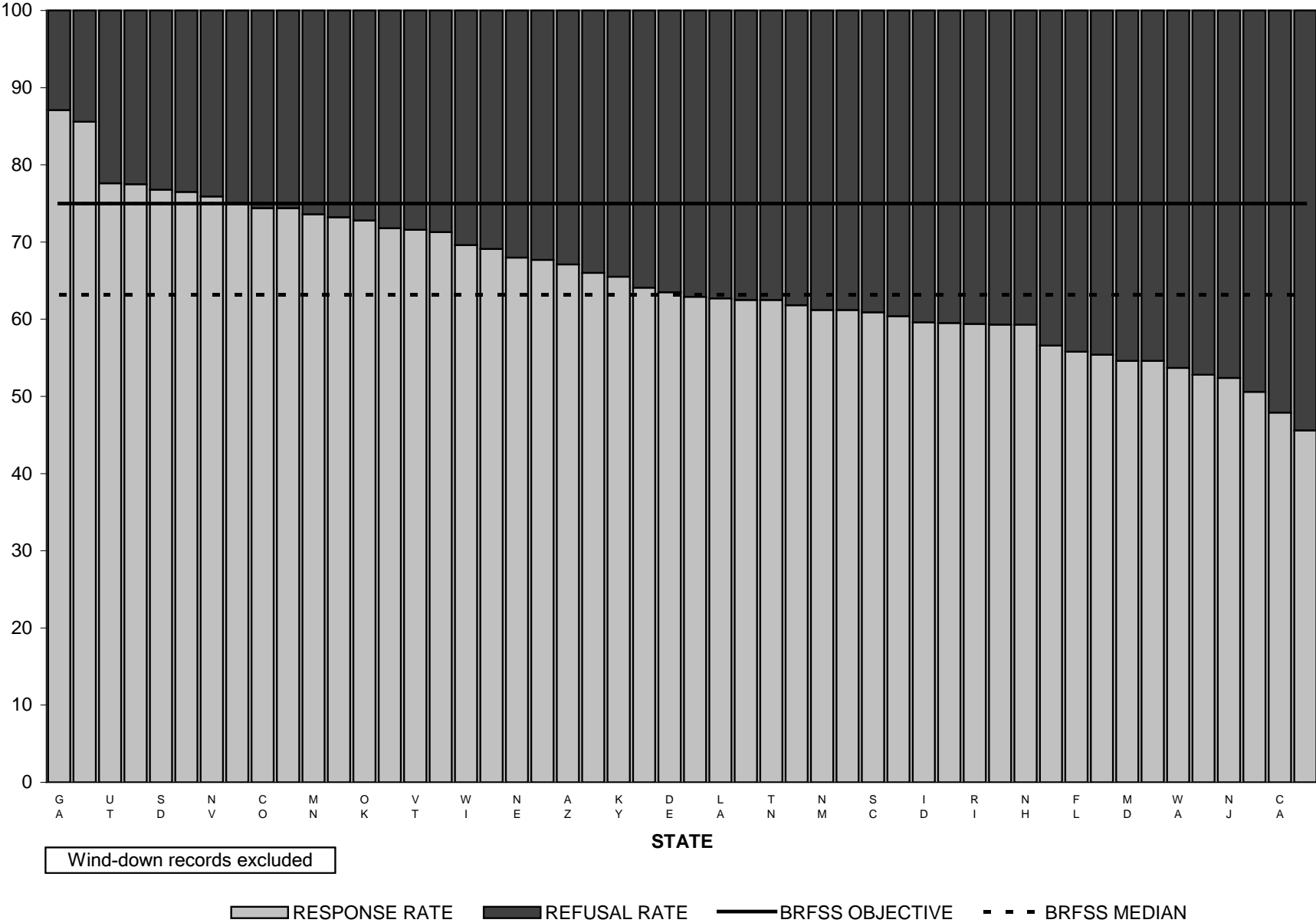
**BRESS WIND-DOWN RATES  
BY STATE, 1992-1996**

State	1992		1993		1994		1995		1996	
	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met	Rate	Obj Met
AK	6.4	N	5.5	N	5.9	N	5.8	N	6.6	N
AL	0.0	Y	0.3	Y	0.8	Y	5.1	N	5.5	N
AR	NA	NA	4.9	Y	4.5	Y	4.9	Y	0.0	Y
AZ	6.1	N	6.4	N	5.0	Y	6.0	N	4.9	Y
CA	5.9	N	12.2	N	0.0	Y	0.0	Y	0.0	Y
CO	4.8	Y	4.8	Y	5.0	Y	0.0	Y	0.0	Y
CT	0.0	Y	0.0	Y	0.0	Y	0.0	Y	0.0	Y
DC	2.6	Y	5.7	N	3.1	Y	NA	NA	6.9	N
DE	1.1	Y	1.2	Y	1.1	Y	0.8	Y	1.9	Y
FL	0.0	Y	3.8	Y	3.0	Y	3.5	Y	2.9	Y
GA	0.0	Y	0.4	Y	5.2	N	5.0	Y	4.7	Y
HI	6.2	N	3.9	Y	5.0	Y	5.1	N	NA	NA
IA	14.6	N	8.9	N	4.8	Y	0.0	Y	0.0	Y
ID	0.4	Y	3.4	Y	0.6	Y	5.7	N	4.8	Y
IL	0.0	Y	4.8	Y	0.0	Y	1.3	Y	2.5	Y
IN	4.3	Y	4.4	Y	4.8	Y	4.4	Y	4.7	Y
KS	3.8	Y	4.4	Y	2.3	Y	1.1	Y	0.4	Y
KY	4.8	Y	5.4	N	5.8	N	5.2	N	4.3	Y
LA	6.3	N	5.3	N	4.3	Y	4.2	Y	3.7	Y
MA	0.0	Y	0.0	Y	0.0	Y	0.0	Y	0.0	Y
MD	0.9	Y	2.7	Y	7.9	N	13.6	N	3.2	Y
ME	5.6	N	5.2	N	7.7	N	5.9	N	6.3	N
MI	0.7	Y	0.0	Y	0.0	Y	0.0	Y	0.0	Y
MN	2.2	Y	2.9	Y	5.5	N	3.1	Y	1.6	Y
MO	6.4	N	6.5	N	0.0	Y	6.7	N	5.9	N
MS	4.9	Y	5.2	N	6.3	N	6.0	N	4.6	Y
MT	4.9	Y	4.5	Y	4.4	Y	4.8	Y	4.3	Y
NC	3.1	Y	2.6	Y	5.1	N	4.0	Y	2.0	Y
ND	4.6	Y	4.3	Y	4.1	Y	5.3	N	4.8	Y
NE	5.4	N	5.4	N	0.0	Y	0.0	Y	0.0	Y
NH	0.0	Y	0.0	Y	7.7	N	6.9	N	6.7	N
NJ	0.0	Y	0.0	Y	0.0	Y	0.0	Y	0.0	Y
NM	8.2	N	8.7	N	28.6	N	13.1	N	12.0	N
NV	0.0	Y	0.0	Y	0.0	Y	0.0	Y	0.0	Y
NY	3.9	Y	4.2	Y	7.9	N	7.0	N	5.7	N
OH	8.0	N	9.4	N	6.3	N	7.1	N	0.0	Y
OK	11.4	N	7.7	N	22.3	N	13.8	N	18.8	N
OR	0.5	Y	3.4	Y	4.0	Y	4.1	Y	0.0	Y
PA	0.0	Y	0.0	Y	0.0	Y	0.0	Y	0.0	Y
RI	3.2	Y	0.0	Y	NA	NA	0.0	Y	0.0	Y
SC	5.8	N	17.6	N	17.9	N	13.1	N	9.8	N
SD	4.7	Y	4.7	Y	6.1	N	10.1	N	7.8	N
TN	3.4	Y	3.3	Y	4.7	Y	6.7	N	7.7	N
TX	0.0	Y	6.1	N	5.0	Y	4.7	Y	0.0	Y
UT	5.2	N	5.6	N	4.9	Y	6.1	N	4.7	Y
VA	4.7	Y	3.4	Y	4.8	Y	4.3	Y	0.0	Y
VT	0.0	Y	0.0	Y	0.0	Y	0.0	Y	0.0	Y
WA	0.7	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	5.5	N	4.9	Y	5.3	N	5.0	Y	5.0	Y
WY	NA	NA	NA	NA	0.7	Y	5.7	N	5.4	N
MEDIAN	3.8	Y	4.4	Y	4.6	Y	4.8	Y	3.1	Y
RANGE	0-14.6	34 of 49	0-17.6	33 of 50	0-28.6	34 of 50	0-13.8	29 of 50	0-18.8	37 of 50

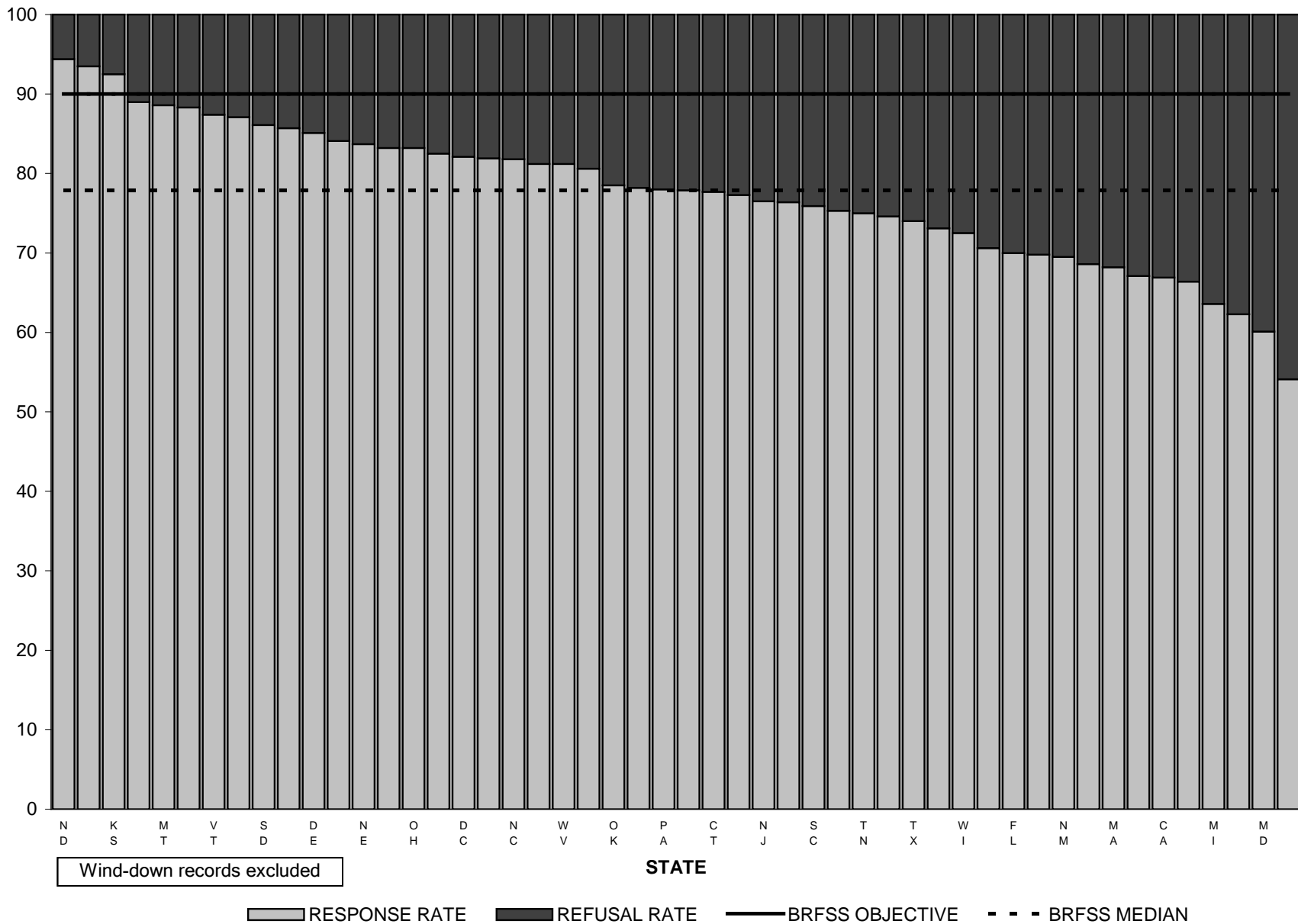
**BRFSS**  
**MEDIAN UPPER BOUND, CASRO, AND EFFICIENCY**  
1992-1996



# BRFSS CASRO ESTIMATES OF RESPONSE AND REFUSAL RATES BY STATE, 1996



## BRFSS UPPER BOUND ESTIMATES OF RESPONSE AND REFUSAL RATES, BY STATE, 1996



**1996 BRFSS QUALITY CONTROL INDICATORS  
All PARTICIPATING STATES**

INDICATOR	BRFSS OBJECTIVE	OBJECTIVE		BRFSS MEDIAN
		MET	NOT MET	
CASRO RESPONSE RATE	$\geq 75$		*	63.2
UPPER BOUND	$\geq 90$		*	77.9
SURVEY EFFICIENCY	$\geq 40$		*	28.1
% COMPLETES DURING WIND-DOWN	$\leq 5$	*		3.1
% REFUSAL	$\leq 10$	*		8.0
% RING-NO-ANSWER	$\leq 10$		*	10.8
% RESPONDENT-NOT-AVAILABLE	$\leq 3$		*	3.5
% LINE BUSY	$\leq 0.3$		*	0.6

**STATUS OF MONITORING SYSTEMS**  
**December 1996**

STATE	AUDIO (Y/N)	CATI DISPLAY(Y/N/NA)	COMMENTS
AL	N	N	
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	
HI	Y	N	
ID	Y	Y	
IL	N	Y	
IN	Y	Y	
IA	Y	Y	
KS	N	NA	
KY	N	N	
LA	N	NA	
ME	N	Y	
MD	N	NA	Interview from private homes.
MA	Y	Y	
MI	Y	Y	
MN	N	Y	
MS	Y	N	Video too expensive.
MO	N	N	
MT	N	N	Has equipment but not installed.
NE	Y	Y	
NV	Y	N	
NH	Y	Y	
NJ	Y	Y	
NM	Y	N	
NY	Y	N	
NC	N	N	
ND	N	N	
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;Installation due 10/95.
TX	Y	Y	
UT	Y	N	Has video software; installation expected in early 97.
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>	28 with audio, 22 with audio and video		



**PERCENTAGE OF RECORDS WITH A CLUSTER SIZE OF THREE,  
WAKSBERG STATES, 1995-1996**

STATE	1995	1996	MEAN
New Mexico	69.8	60.2	65.0
South Carolina	82.3	76.6	79.5
Hawaii	83.3	n/a	83.3
District of Columbia	n/a	87.7	87.7
Oklahoma	94.8	84.0	89.4
Missouri	83.4	95.4	89.4
North Carolina	93.3	86.2	89.8
Ohio	83.6	96.5	90.0
Arizona	n/a	91.1	91.1
Idaho	91.3	95.8	93.5
Florida	89.7	98.8	94.3
Iowa	94.9	93.8	94.3
New Hampshire	93.0	95.7	94.4
Wyoming	93.7	97.2	95.4
Minnesota	97.3	93.6	95.4
South Dakota	94.5	97.3	95.9
Maine	95.0	98.4	96.7
Utah	96.6	97.4	97.0
Maryland	98.2	98.2	98.2
Kentucky	98.2	98.7	98.5
Mississippi	98.6	98.6	98.6
West Virginia	98.1	99.5	98.8
New York	99.4	98.1	98.8
Illinois	97.6	100.0	98.8
Virginia	98.9	n/a	98.9
North Dakota	100.0	97.9	99.0
Montana	98.3	99.7	99.0
Georgia	98.7	99.7	99.2
Oregon	99.5	n/a	99.5
Alabama	99.8	99.9	99.8
Tennessee	100.0	99.7	99.9
Louisiana	99.8	100.0	99.9
Delaware	100.0	100.0	100.0
Indiana	100.0	100.0	100.0
Arkansas	100.0	n/a	100.0

**SECTION 2**  
**DEMOGRAPHIC VARIABLES USED IN WEIGHTING**

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.

**TABLE 1. DISCREPANCY IN PERCENTAGE FEMALE BETWEEN WEIGHTED\*  
SAMPLE DATA AND POPULATION DATA BY STATE, 1993-1996**

RANK	STATE NAME	PERCENTAGE POINT DIFFERENCE				MEAN	MEAN
		1993	1994	1995	1996	1993-1995	1993-1996
1	Nevada	12.2	13.6	11.4	7.9	12.4	11.3
2	Alabama	5.3	10.4	8.5	9.7	8.1	8.5
3	New Mexico	5.8	9.2	9.1	7.9	8.0	8.0
4	Idaho	11.4	6.5	7.6	6.2	8.5	8.0
5	Texas	6.5	6.9	9.4	8.5	7.6	7.8
6	New Jersey	7.3	7.4	12.6	3.3	9.1	7.6
7	Ohio	7.5	7.3	7.6	5.9	7.5	7.1
8	Delaware	6.2	5.8	8.0	7.1	6.7	6.8
9	Connecticut	6.7	8.8	3.6	7.3	6.4	6.6
10	Kentucky	4.6	7.5	6.5	7.8	6.2	6.6
11	West Virginia	6.6	5.4	7.1	6.9	6.4	6.5
12	Missouri	4.8	8.9	7.3	4.6	7.0	6.4
13	Louisiana	6.3	7.5	5.5	5.4	6.4	6.2
14	Arizona	4.6	5.8	9.1	5.2	6.5	6.1
15	Wyoming	n/a	5.7	6.2	6.5	6.0	6.1
16	Nebraska	4.3	7.8	5.2	7.0	5.8	6.1
17	Arkansas	4.4	7.3	4.5	7.7	5.4	6.0
18	Virginia	4.6	3.7	6.7	8.7	5.0	5.9
19	Alaska	6.6	4.7	6.3	6.1	5.9	5.9
20	Mississippi	5.2	5.7	4.6	7.9	5.2	5.8
21	Montana	6.4	5.8	5.4	4.5	5.9	5.5
22	Illinois	3.8	6.0	5.5	6.3	5.1	5.4
23	Hawaii	4.9	5.9	5.0	n/a	5.3	5.3
24	Maryland	5.2	3.9	5.4	4.7	4.8	4.8
25	Florida	3.9	3.9	4.8	6.1	4.2	4.7
26	Vermont	5.4	4.1	5.0	3.2	4.9	4.4
27	Michigan	2.2	4.9	6.4	4.3	4.5	4.4
28	Tennessee	1.6	5.0	3.9	7.2	3.5	4.4
29	South Carolina	5.0	2.7	4.9	5.0	4.2	4.4
30	Utah	6.8	4.2	3.6	2.8	4.9	4.3
31	New York	3.4	4.4	4.5	4.9	4.1	4.3
32	Colorado	5.5	3.6	4.2	3.9	4.4	4.3
33	California	4.2	4.5	2.7	5.2	3.8	4.1
34	Washington	2.3	3.1	4.4	6.3	3.2	4.0
35	New Hampshire	2.3	5.0	4.6	4.0	4.0	4.0
36	Dist of Columbia	4.4	2.4	n/a	5.0	3.4	3.9
37	Oregon	1.4	4.2	4.1	5.0	3.2	3.7
38	North Carolina	1.3	2.9	5.5	4.7	3.2	3.6
39	South Dakota	3.1	3.9	3.3	3.4	3.4	3.4
40	Massachusetts	1.3	4.5	3.6	4.2	3.1	3.4
41	North Dakota	2.2	2.0	2.9	6.2	2.3	3.3
42	Georgia	3.1	3.3	3.0	3.1	3.2	3.2
43	Oklahoma	4.3	3.8	1.3	2.7	3.1	3.0
44	Indiana	3.4	3.4	1.8	3.2	2.8	2.9
45	Minnesota	2.8	2.4	2.4	2.9	2.5	2.6
46	Iowa	0.3	1.7	4.4	4.0	2.1	2.6
47	Kansas	0.5	3.2	2.1	3.9	1.9	2.4
48	Pennsylvania	1.4	3.3	2.0	2.8	2.2	2.4
49	Maine	3.1	-0.1	2.5	3.7	1.8	2.3
50	Wisconsin	0.4	2.3	1.0	2.6	1.2	1.6
51	Rhode Island	0.0	n/a	0.5	2.2	0.3	0.9

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

**TABLE 2. DISCREPANCY IN PERCENTAGE NON-WHITE BETWEEN SAMPLE AND POPULATION BY STATE, OTHER HISPANICS ARE CODED AS NON-WHITE, 1996**

RANK	STATE	SAMPLE				POPULATION		DIFFERENCES	
		UNWEIGHTED		WEIGHTED		N	%	RATIO	DIFFERENCE
		N	%	N	%			S/P	S-P
1	Texas	489	28.7	981.7	30.1	1972897	14.5	2.1	15.6
2	Colorado	215	11.9	401.3	12.7	197405	7.0	1.8	5.7
3	Dist Columbia	817	68.0	1228.6	70.3	285674	64.9	1.1	5.4
4	Arizona	241	12.3	2148.9	13.8	300417	9.7	1.4	4.1
5	Nevada	215	11.9	4887.7	15.9	137921	11.8	1.3	4.1
6	Idaho	148	5.4	315.6	6.3	23442	2.8	2.2	3.5
7	Rhode Island	173	9.4	323.0	9.6	49735	6.5	1.5	3.1
8	New Jersey	633	20.1	1173.4	21.0	1099407	18.0	1.2	3.0
9	Connecticut	226	12.3	410.5	12.7	263583	10.5	1.2	2.2
10	Wisconsin	358	16.0	23730.7	8.0	237767	6.3	1.3	1.7
11	Massachusetts	172	9.7	292.7	9.5	383213	8.2	1.2	1.3
12	Utah	144	5.0	3431.2	5.6	57951	4.5	1.2	1.1
13	Vermont	54	2.2	98.0	2.2	5306	1.2	1.8	1.0
14	Indiana	216	9.8	372.2	9.4	362979	8.4	1.1	0.9
15	Nebraska	126	6.0	217.7	6.0	60582	5.1	1.2	0.9
16	Missouri	189	12.2	318.8	11.9	441959	11.1	1.1	0.8
17	Wyoming	110	4.3	192.0	4.4	12349	3.6	1.2	0.8
18	Maine	29	1.7	56.0	2.0	12603	1.4	1.4	0.6
19	Pennsylvania	418	11.6	703.9	10.6	944699	10.2	1.0	0.4
20	New York	963	22.3	1703.0	22.5	3074861	22.1	1.0	0.4
21	New Mexico	124	11.3	246.4	11.5	135321	11.2	1.0	0.3
22	New Hampshire	32	2.1	53.0	2.0	15203	1.8	1.1	0.3
23	Florida	499	14.0	857.4	14.0	1535346	13.8	1.0	0.3
24	Minnesota	208	4.7	366.3	4.9	162277	4.8	1.0	0.1
25	West Virginia	95	3.9	165.0	3.7	51459	3.7	1.0	0.0
26	Tennessee	505	16.5	813.5	15.6	623243	15.6	1.0	0.0
27	Iowa	102	2.8	182.3	2.7	61312	2.9	0.9	-0.2
28	Illinois	517	18.0	857.3	16.9	1513036	17.2	1.0	-0.3
29	South Dakota	118	5.6	235.6	6.3	36376	6.9	0.9	-0.6
30	North Carolina	630	22.5	1111.8	22.2	1254924	22.8	1.0	-0.6
31	Alaska	178	15.5	1236.6	15.8	64469	16.6	1.0	-0.8
32	Oregon	144	4.9	254.3	4.8	133599	5.6	0.8	-0.9
33	North Dakota	65	3.6	113.5	3.7	21406	4.6	0.8	-0.9
34	Kentucky	248	6.9	394.5	6.3	217517	7.5	0.8	-1.2
35	Virginia	376	19.9	687.0	19.9	1083351	21.4	0.9	-1.5
36	Kansas	138	6.9	221.5	6.4	149717	7.9	0.8	-1.5
37	Ohio	165	10.6	279.8	10.0	957192	11.5	0.9	-1.6
38	Alabama	509	23.8	864.1	22.7	772384	24.3	0.9	-1.6
39	Montana	73	4.0	136.0	4.3	37753	5.9	0.7	-1.6
40	Michigan	373	15.0	602.5	13.5	1075862	15.3	0.9	-1.7
41	Louisiana	475	28.7	822.5	28.3	944612	30.5	0.9	-2.2
42	Maryland	967	21.6	4298.2	26.0	1079794	28.2	0.9	-2.2
43	Mississippi	482	30.3	866.2	30.3	642725	33.2	0.9	-2.9
44	Delaware	337	15.9	574.3	15.3	100223	18.4	0.8	-3.0
45	Georgia	597	25.1	949.5	23.5	1424112	26.6	0.9	-3.1
46	Washington	227	6.3	406.3	6.4	387674	9.5	0.7	-3.1
47	Oklahoma	240	12.5	390.5	12.5	396052	16.3	0.8	-3.8
48	Arkansas	212	11.8	339.0	10.5	271950	14.8	0.7	-4.2
49	South Carolina	447	23.8	787.0	23.1	787267	28.6	0.8	-5.5
50	California	557	13.9	1014.7	14.1	4749888	20.1	0.7	-6.0

\*Weighted for 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 DATA BY STATE, OTHER HISPANICS CODED AS WHITE, 1996**

RANK	STATE	SAMPLE				POPULATION		DIFFERENCES	
		UNWEIGHTED		WEIGHTED				RATIO	DIFFERENCE
		N	%	N	%	N	%	S/P	S-P
1	District of Columbia	802	66.8	1201.6	68.8	285,674	64.9	1.1	3.9
2	Vermont	49	2.0	89.0	2.0	5,306	1.2	1.7	0.8
3	Maine	28	1.6	52.0	1.8	12,603	1.4	1.3	0.5
4	Rhode Island	124	6.7	227.0	6.8	49,735	6.5	1.0	0.3
5	Wisconsin	326	14.6	19320.0	6.5	237,767	6.3	1.0	0.2
6	West Virginia	94	3.9	164.0	3.7	51,459	3.7	1.0	0.0
7	Missouri	180	11.6	297.8	11.1	441,959	11.1	1.0	0.0
8	Nebraska	104	4.9	183.7	5.1	60,582	5.1	1.0	0.0
9	Idaho	68	2.5	140.2	2.8	23,442	2.8	1.0	0.0
10	New Hampshire	26	1.7	44.0	1.7	15,203	1.8	1.0	-0.1
11	Connecticut	177	9.6	334.5	10.4	263,583	10.5	1.0	-0.1
12	Indiana	195	8.8	325.2	8.2	362,979	8.4	1.0	-0.2
13	Iowa	100	2.8	176.3	2.6	61,312	2.9	0.9	-0.3
14	Illinois	516	17.9	855.3	16.8	1,513,036	17.2	1.0	-0.3
15	Tennessee	497	16.2	797.5	15.3	623,243	15.6	1.0	-0.4
16	Pennsylvania	390	10.8	651.2	9.8	944,699	10.2	1.0	-0.4
17	Minnesota	187	4.2	328.8	4.4	162,277	4.8	0.9	-0.4
18	Texas	247	14.5	459.2	14.1	1,972,897	14.5	1.0	-0.4
19	Florida	477	13.3	812.6	13.3	1,535,346	13.8	1.0	-0.5
20	Colorado	107	5.9	201.8	6.4	197,405	7.0	0.9	-0.6
21	Utah	100	3.5	2377.5	3.9	57,951	4.5	0.9	-0.6
22	Massachusetts	132	7.4	221.0	7.2	383,213	8.2	0.9	-1.0
23	Wyoming	64	2.5	111.5	2.5	12,349	3.6	0.7	-1.1
24	North Dakota	62	3.4	107.5	3.5	21,406	4.6	0.8	-1.1
25	South Dakota	107	5.1	214.6	5.8	36,376	6.9	0.8	-1.1
26	North Carolina	612	21.9	1082.4	21.6	1,254,924	22.8	0.9	-1.2
27	Nevada	143	7.9	3249.4	10.6	137,921	11.8	0.9	-1.2
28	Oregon	130	4.4	227.3	4.2	133,599	5.6	0.8	-1.4
29	New Jersey	503	16.0	926.7	16.6	1,099,407	18.0	0.9	-1.4
30	Kentucky	243	6.7	381.5	6.1	217,517	7.5	0.8	-1.4
31	Arizona	158	8.1	1256.1	8.1	300,417	9.7	0.8	-1.6
32	Ohio	163	10.5	275.8	9.8	957,192	11.5	0.9	-1.7
33	New York	879	20.4	1542.5	20.4	3,074,861	22.1	0.9	-1.7
34	Montana	69	3.8	129.0	4.1	37,753	5.9	0.7	-1.8
35	Alaska	169	14.7	1151.1	14.7	64,469	16.6	0.9	-1.8
36	Kansas	127	6.3	203.0	5.9	149,717	7.9	0.7	-2.0
37	Alabama	499	23.3	842.1	22.2	772,384	24.3	0.9	-2.1
38	Michigan	347	13.9	559.0	12.6	1,075,862	15.3	0.8	-2.7
39	Virginia	355	18.8	640.7	18.6	1,083,351	21.4	0.9	-2.8
40	Mississippi	481	30.2	864.2	30.2	642,725	33.2	0.9	-3.0
41	Maryland	941	21.0	4152.6	25.1	1,079,794	28.2	0.9	-3.1
42	Louisiana	462	27.9	793.5	27.3	944,612	30.5	0.9	-3.2
43	Delaware	332	15.6	564.3	15.1	100,223	18.4	0.8	-3.3
44	Washington	220	6.1	392.3	6.1	387,674	9.5	0.6	-3.3
45	Georgia	589	24.7	934.5	23.1	1,424,112	26.6	0.9	-3.4
46	Arkansas	211	11.7	337.0	10.5	271,950	14.8	0.7	-4.3
47	New Mexico	62	5.7	129.6	6.1	135,321	11.2	0.5	-5.1
48	Oklahoma	215	11.2	338.1	10.8	396,052	16.3	0.7	-5.5
49	South Carolina	442	23.5	775.0	22.7	787,267	28.6	0.8	-5.9
50	California	539	13.5	972.8	13.5	4,749,888	20.1	0.7	-6.6

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

**TABLE 4. DISCREPANCY IN PERCENTAGE HISPANIC BETWEEN SAMPLE AND POPULATION DATA BY STATE, 1996**

RANK	STATE	HISPANICS RACE= WHITE		DIFFERENCE S-P	RATIO S/P	HISPANICS ALL RACES SAMPLE		HISPANICS RACE = OTHER SAMPLE	
		SAMPLE %	POPULATION %			N	%	N	%
1	Texas	14.1	14.5	-0.4	1.0	383	25.0	242	64.5
2	Idaho	2.8	2.8	0.0	1.0	136	5.5	80	63.5
3	Wisconsin	6.5	6.3	0.2	1.0	67	2.8	32	52.6
4	Connecticut	10.4	10.5	-0.1	1.0	97	4.9	49	48.3
5	Nevada	10.6	11.8	-1.2	0.9	161	11.2	72	48.1
6	New Jersey	16.6	18.0	-1.4	0.9	268	9.3	130	47.8
7	Oklahoma	10.8	16.3	-5.5	0.7	60	3.6	25	46.1
8	Massachusetts	7.2	8.2	-1.0	0.9	92	5.2	40	45.5
9	Colorado	6.4	7.0	-0.6	0.9	215	14.1	108	45.0
10	District of Columbia	68.8	64.9	3.9	1.1	39	3.5	15	44.6
11	Maryland	25.1	28.2	-3.1	0.9	68	2.0	26	43.2
12	Indiana	8.2	8.4	-0.2	1.0	55	2.9	21	40.9
13	Arizona	8.1	9.7	-1.6	0.8	233	14.5	83	39.6
14	Wyoming	2.5	3.6	-1.1	0.7	123	4.9	46	37.0
15	Nebraska	5.1	5.1	0.0	1.0	56	2.5	22	37.0
16	Rhode Island	6.8	6.5	0.3	1.0	116	7.9	49	36.2
17	Missouri	11.1	11.1	0.0	1.0	28	2.2	9	35.5
18	Virginia	18.6	21.4	-2.8	0.9	62	3.9	21	35.3
19	Michigan	12.6	15.3	-2.7	0.8	65	2.8	26	34.8
20	South Dakota	5.8	6.9	-1.1	0.8	32	1.6	11	34.4
21	North Carolina	21.6	22.8	-1.2	0.9	54	1.8	18	32.4
22	Pennsylvania	9.8	10.2	-0.4	1.0	103	2.8	28	29.0
23	Utah	3.9	4.5	-0.6	0.9	153	6.0	44	28.9
24	South Carolina	22.7	28.6	-5.9	0.8	26	1.4	5	25.8
25	Alaska	14.7	16.6	-1.8	0.9	37	4.4	9	25.0
26	Alabama	22.2	24.3	-2.1	0.9	50	2.4	10	23.9
27	Kentucky	6.1	7.5	-1.4	0.8	27	0.9	5	23.9
28	New York	20.4	22.1	-1.7	0.9	392	9.5	84	22.4
29	New Hampshire	1.7	1.8	-0.1	1.0	27	1.7	6	20.0
30	Tennessee	15.3	15.6	-0.4	1.0	50	1.6	8	19.4
31	North Dakota	3.5	4.6	-1.1	0.8	18	1.0	3	19.0
32	Oregon	4.2	5.6	-1.4	0.8	80	3.0	14	17.0
33	Minnesota	4.4	4.8	-0.4	0.9	130	3.0	21	16.4
34	Louisiana	27.3	30.5	-3.2	0.9	101	6.4	13	15.8
35	New Mexico	6.1	11.2	-5.1	0.5	381	36.9	62	14.9
36	Montana	4.1	5.9	-1.8	0.7	26	1.6	4	13.7
37	Georgia	23.1	26.6	-3.4	0.9	64	2.9	8	12.9
38	Delaware	15.1	18.4	-3.3	0.8	48	2.4	5	11.4
39	Vermont	2.0	1.2	0.8	1.7	39	1.8	5	11.2
40	Kansas	5.9	7.9	-2.0	0.7	100	5.3	11	10.2
41	Ohio	9.8	11.5	-1.7	0.9	23	1.6	2	9.1
42	Maine	1.8	1.4	0.5	1.3	29	1.8	1	7.8
43	Mississippi	30.2	33.2	-3.0	0.9	20	1.3	1	5.6
44	Florida	13.3	13.8	-0.5	1.0	469	14.4	22	5.1
45	Washington	6.1	9.5	-3.3	0.6	147	4.6	7	4.8
46	Arkansas	10.5	14.8	-4.3	0.7	31	1.6	1	3.8
47	Iowa	2.6	2.9	-0.3	0.9	73	2.4	2	3.7
48	California	13.5	20.1	-6.6	0.7	886	27.7	18	2.1
49	West Virginia	3.7	3.7	0.0	1.0	47	2.1	1	1.1
50	Illinois	16.8	17.2	-0.3	1.0	222	9.2	1	0.4

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

**TABLE 5. DISCREPANCY BETWEEN WEIGHTED\* SAMPLE AND POPULATION BY AGE CATEGORY AND STATE, 1996**

STATE	18-24	25-34	35-44	45-54	55-64	65+
Alabama	-2.0	0.7	2.7	1.1	-0.2	-2.3
Alaska	-2.6	-0.3	-0.1	4.0	-0.1	-0.8
Arizona	1.6	-2.8	-1.6	0.0	2.4	0.4
Arkansas	-1.7	-1.2	-1.0	2.2	3.4	-1.7
California	0.8	-1.1	-0.8	1.3	0.5	-0.7
Colorado	-1.0	-1.2	2.0	1.6	-0.6	-0.8
Connecticut	-1.5	0.8	2.4	1.9	-1.1	-2.5
Delaware	-2.2	0.6	0.1	1.7	0.1	-0.3
District of Columbia	-0.1	3.2	-2.4	-1.6	0.6	0.4
Florida	0.7	0.0	0.4	0.1	-0.9	-0.4
Georgia	-5.1	-1.8	3.8	0.7	-1.0	3.4
Idaho	0.5	0.6	1.1	0.6	-0.3	-2.5
Illinois	-0.4	1.1	1.1	0.9	0.8	-3.5
Indiana	-1.1	-0.1	1.2	0.9	0.6	-1.5
Iowa	-1.1	1.0	1.7	0.0	-0.4	-1.2
Kansas	-2.7	-1.3	4.8	1.4	-1.6	-0.5
Kentucky	-2.8	-1.2	0.3	0.0	0.6	3.1
Louisiana	-1.7	-1.7	1.7	-0.1	1.3	0.5
Maine	-3.9	-1.3	1.2	3.6	0.3	0.2
Maryland	-1.9	-1.1	1.0	1.9	0.3	-0.2
Massachusetts	-2.3	3.2	2.1	2.0	-1.0	-4.0
Michigan	1.3	-1.2	2.3	1.8	0.6	-4.9
Minnesota	-0.9	-0.8	2.9	1.9	-0.1	-2.9
Mississippi	-2.8	-2.0	4.1	0.4	2.1	-1.6
Missouri	-0.6	0.2	0.5	1.4	-0.6	-0.9
Montana	-1.8	0.4	1.7	1.6	-1.2	-0.7
Nebraska	-2.0	-0.7	1.0	0.7	1.0	-0.1
Nevada	4.9	-2.6	0.1	1.2	0.6	-4.1
New Hampshire	-4.3	0.9	3.7	-0.2	1.0	-1.1
New Jersey	-0.7	-0.4	3.5	0.2	0.3	-2.8
New Mexico	-2.0	-1.6	0.0	0.6	3.1	-0.1
New York	0.0	1.5	2.3	1.7	-1.2	-4.3
North Carolina	-2.7	-0.7	0.1	-0.4	0.5	3.3
North Dakota	-1.4	-1.1	1.1	1.8	-0.4	0.1
Ohio	-1.9	-3.0	2.6	-0.7	-0.5	3.6
Oklahoma	-3.9	-3.0	-3.0	-1.9	0.1	11.7
Oregon	0.4	-0.4	0.6	1.5	-0.3	-1.8
Pennsylvania	-0.5	0.4	2.3	0.8	-0.4	-2.6
Puerto Rico	-4.4	-2.9	2.6	2.7	2.5	-0.6
Rhode Island	-2.2	1.5	2.6	0.7	-0.1	-2.4
South Carolina	-1.4	-2.1	1.9	1.2	1.3	-0.9
South Dakota	-1.8	-1.3	1.5	0.2	1.0	0.2
Tennessee	-1.0	0.7	0.5	1.0	0.0	-1.3
Texas	-1.9	-0.8	-0.3	4.2	-0.6	-0.6
Utah	2.6	-1.5	-0.3	-1.1	1.1	-0.7
Vermont	-3.7	-1.0	2.9	2.2	1.5	-1.9
Virginia	-1.0	-0.8	1.2	2.0	0.4	-1.9
Washington	0.3	0.5	1.4	1.3	-0.4	-3.1
West Virginia	-1.5	-0.9	2.1	1.7	-0.4	-1.1
Wisconsin	-2.8	0.3	4.5	1.7	0.6	-4.3
Wyoming	-0.5	0.1	2.2	-0.3	0.8	-2.4

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



**SECTION 3**

**ITEM NONRESPONSE FOR SELECTED VARIABLES**

**TABLE 6. COMPLETED INTERVIEWS MISSING INCOME BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Oklahoma	31.1	4.1	598
South Carolina	23.7	2.8	446
Arizona	23.1	2.7	453
Delaware	17.0	1.6	361
Arkansas	13.4	1.0	241
Maryland	13.3	1.0	594
New York	11.9	0.7	511
South Dakota	10.9	0.5	229
Pennsylvania	10.4	0.5	374
Kentucky	10.4	0.5	376
Montana	10.3	0.5	186
Connecticut	9.9	0.4	182
Tennessee	9.7	0.3	297
New Jersey	9.6	0.3	302
Ohio	9.3	0.3	144
North Carolina	9.1	0.2	255
Washington	8.4	0.1	303
Louisiana	7.3	-0.1	121
Vermont	7.1	-0.1	178
Massachusetts	7.0	-0.1	125
Nebraska	6.9	-0.1	146
Rhode Island	6.9	-0.2	127
Kansas	6.7	-0.2	135
Florida	6.5	-0.2	232
West Virginia	5.9	-0.3	142
Michigan	5.6	-0.4	140
Virginia	5.6	-0.4	105
Texas	5.4	-0.4	92
Missouri	5.3	-0.4	82
New Hampshire	5.3	-0.4	79
Maine	5.1	-0.5	87
Wisconsin	5.1	-0.5	114
Nevada	5.1	-0.5	91
Oregon	4.9	-0.5	145
District of Columbia	4.7	-0.5	57
Georgia	4.7	-0.5	113
New Mexico	4.7	-0.5	51
Colorado	4.6	-0.6	83
Idaho	4.4	-0.6	121
Minnesota	4.3	-0.6	191
California	4.1	-0.6	166
Alabama	3.9	-0.7	84
Indiana	3.8	-0.7	84
Illinois	3.6	-0.7	104
Mississippi	3.5	-0.8	55
Wyoming	3.3	-0.8	84
Alaska	3.1	-0.8	48
Iowa	3.1	-0.8	112
Utah	3.0	-0.8	88
North Dakota	2.5	-0.9	46
Puerto Rico	1.2	-1.2	21

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

**TABLE 7. PERCENT COMPLETED INTERVIEWS MISSING AGE BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	1.9	4.5	36
District of Columbia	1.1	2.0	13
Maryland	1.0	1.8	45
Connecticut	0.9	1.4	16
New Jersey	0.8	1.3	26
Arizona	0.7	0.8	13
Louisiana	0.7	0.8	11
Texas	0.6	0.8	11
Alaska	0.6	0.6	9
Pennsylvania	0.6	0.6	21
Michigan	0.6	0.5	14
Oregon	0.5	0.5	16
New York	0.5	0.4	23
Washington	0.5	0.4	19
Ohio	0.5	0.4	8
Arkansas	0.5	0.3	9
Nevada	0.5	0.3	9
Wisconsin	0.5	0.3	11
North Carolina	0.5	0.2	13
Vermont	0.4	0.2	11
Wyoming	0.4	0.1	11
Virginia	0.4	-0.1	7
Kansas	0.3	-0.1	7
New Hampshire	0.3	-0.2	5
South Dakota	0.3	-0.2	7
Alabama	0.3	-0.2	7
Mississippi	0.3	-0.2	5
Idaho	0.3	-0.3	8
Nebraska	0.3	-0.3	6
New Mexico	0.3	-0.3	3
Oklahoma	0.3	-0.4	5
Missouri	0.3	-0.4	4
Tennessee	0.2	-0.5	7
Montana	0.2	-0.5	4
Colorado	0.2	-0.5	4
Kentucky	0.2	-0.5	8
Utah	0.2	-0.6	5
North Dakota	0.2	-0.7	3
Delaware	0.1	-0.7	3
Iowa	0.1	-0.7	5
Georgia	0.1	-0.8	3
West Virginia	0.1	-0.8	3
Rhode Island	0.1	-0.8	2
Massachusetts	0.1	-1.0	1
Indiana	0.0	-1.0	1
Illinois	0.0	-1.0	1
Minnesota	0.0	-1.1	1
California	0.0	-1.1	0
Florida	0.0	-1.1	0
Maine	0.0	-1.1	0
Puerto Rico	0.0	-1.1	0

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

**TABLE 8. PERCENT COMPLETED INTERVIEWS MISSING EDUCATION BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	1.5	5.6	28
Ohio	0.5	1.2	8
Tennessee	0.5	0.9	14
Pennsylvania	0.4	0.8	16
Rhode Island	0.4	0.8	8
Louisiana	0.4	0.7	7
Kentucky	0.4	0.7	15
Arkansas	0.4	0.6	7
Nebraska	0.4	0.5	8
Maryland	0.4	0.5	17
New Mexico	0.4	0.5	4
Florida	0.4	0.5	13
Michigan	0.4	0.5	9
Vermont	0.4	0.4	9
Wisconsin	0.4	0.4	8
Texas	0.4	0.4	6
New Jersey	0.3	0.4	11
Nevada	0.3	0.3	6
North Carolina	0.3	0.3	9
Virginia	0.3	0.3	6
Arizona	0.3	0.2	6
California	0.3	0.1	11
Connecticut	0.3	0.0	5
Massachusetts	0.2	-0.2	4
Washington	0.2	-0.2	8
New York	0.2	-0.2	9
Oklahoma	0.2	-0.2	4
West Virginia	0.2	-0.3	5
Minnesota	0.2	-0.3	9
Kansas	0.2	-0.3	4
Alabama	0.2	-0.3	4
Utah	0.2	-0.4	5
Georgia	0.2	-0.4	4
Indiana	0.1	-0.6	3
New Hampshire	0.1	-0.6	2
Missouri	0.1	-0.6	2
Maine	0.1	-0.7	2
Colorado	0.1	-0.7	2
Montana	0.1	-0.7	2
North Dakota	0.1	-0.7	2
Puerto Rico	0.1	-0.7	2
Illinois	0.1	-0.7	3
Oregon	0.1	-0.7	3
South Dakota	0.1	-0.8	2
Delaware	0.1	-0.8	2
Iowa	0.1	-0.8	3
Wyoming	0.1	-0.8	2
Idaho	0.1	-0.9	2
Alaska	0.1	-0.9	1
Mississippi	0.1	-0.9	1
District of Columbia	0.0	-1.2	0

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

**TABLE 9. PERCENT COMPLETED INTERVIEWS MISSING EMPLOYMENT STATUS  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	1.2	4.9	23
Wisconsin	0.7	2.5	16
Rhode Island	0.5	1.6	10
Connecticut	0.5	1.4	9
Washington	0.5	1.3	17
New Mexico	0.4	0.8	4
Nebraska	0.3	0.7	7
Michigan	0.3	0.6	8
Louisiana	0.3	0.5	5
Maryland	0.3	0.5	13
Massachusetts	0.3	0.4	5
Virginia	0.3	0.3	5
Arizona	0.3	0.3	5
New Jersey	0.3	0.3	8
Pennsylvania	0.3	0.3	9
Texas	0.2	0.2	4
Ohio	0.2	0.0	3
Illinois	0.2	-0.1	5
Puerto Rico	0.2	-0.1	3
Vermont	0.2	-0.2	4
Kansas	0.1	-0.2	3
Delaware	0.1	-0.2	3
Utah	0.1	-0.3	4
New Hampshire	0.1	-0.3	2
Alaska	0.1	-0.3	2
Georgia	0.1	-0.3	3
California	0.1	-0.3	5
Colorado	0.1	-0.4	2
North Carolina	0.1	-0.4	3
Oklahoma	0.1	-0.4	2
Oregon	0.1	-0.4	3
South Dakota	0.1	-0.5	2
Minnesota	0.1	-0.5	4
Florida	0.1	-0.5	3
Iowa	0.1	-0.5	3
Kentucky	0.1	-0.5	3
Wyoming	0.1	-0.5	2
Idaho	0.1	-0.6	2
New York	0.1	-0.6	3
Mississippi	0.1	-0.6	1
Maine	0.1	-0.6	1
Arkansas	0.1	-0.7	1
Nevada	0.1	-0.7	1
North Dakota	0.1	-0.7	1
Alabama	0.0	-0.7	1
West Virginia	0.0	-0.7	1
District of Columbia	0.0	-0.9	0
Indiana	0.0	-0.9	0
Missouri	0.0	-0.9	0
Montana	0.0	-0.9	0

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

**TABLE 10. PERCENT COMPLETED INTERVIEWS MISSING MARITAL STATUS  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	1.1	4.1	20
New Jersey	0.7	2.4	23
Kansas	0.6	2.0	13
Pennsylvania	0.6	1.9	22
Washington	0.5	1.2	17
Tennessee	0.5	1.1	14
Michigan	0.4	1.0	11
Connecticut	0.4	1.0	8
Maryland	0.4	0.9	19
Arizona	0.4	0.8	8
Louisiana	0.4	0.6	6
Ohio	0.3	0.4	5
Wisconsin	0.3	0.4	7
Oregon	0.3	0.3	9
New Mexico	0.3	0.2	3
Virginia	0.3	0.1	5
North Carolina	0.3	0.0	7
District of Columbia	0.3	0.0	3
Nebraska	0.2	0.0	5
Texas	0.2	0.0	4
Montana	0.2	-0.1	4
Minnesota	0.2	-0.2	9
Vermont	0.2	-0.2	5
Alaska	0.2	-0.2	3
Kentucky	0.2	-0.3	7
South Dakota	0.2	-0.3	4
Massachusetts	0.2	-0.4	3
Puerto Rico	0.2	-0.4	3
Rhode Island	0.2	-0.4	3
California	0.2	-0.5	6
Delaware	0.1	-0.5	3
Florida	0.1	-0.5	5
Illinois	0.1	-0.5	4
New Hampshire	0.1	-0.6	2
Georgia	0.1	-0.6	3
Mississippi	0.1	-0.6	2
West Virginia	0.1	-0.6	3
Wyoming	0.1	-0.6	3
Arkansas	0.1	-0.7	2
Nevada	0.1	-0.7	2
North Dakota	0.1	-0.7	2
Alabama	0.1	-0.8	2
New York	0.1	-0.8	4
Indiana	0.1	-0.8	2
Utah	0.1	-0.9	2
Missouri	0.1	-0.9	1
Maine	0.1	-0.9	1

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

**TABLE 11. PERCENT OF COMPLETED INTERVIEWS MISSING HISPANIC BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	1.3	4.9	24
New Mexico	0.5	1.6	6
Connecticut	0.5	1.5	10
Massachusetts	0.5	1.4	9
Alaska	0.5	1.1	7
New York	0.4	1.1	19
Louisiana	0.4	1.0	7
District of Columbia	0.4	0.9	5
Michigan	0.4	0.9	10
Pennsylvania	0.4	0.8	14
New Jersey	0.3	0.6	11
Nebraska	0.3	0.6	7
Missouri	0.3	0.5	5
North Carolina	0.3	0.3	8
Wisconsin	0.3	0.3	6
Virginia	0.3	0.2	5
Delaware	0.2	0.1	5
Arizona	0.2	0.0	4
New Hampshire	0.2	-0.1	3
Vermont	0.2	-0.1	5
Ohio	0.2	-0.1	3
Indiana	0.2	-0.2	4
Oregon	0.2	-0.2	5
Washington	0.2	-0.2	6
Montana	0.2	-0.2	3
Rhode Island	0.2	-0.2	3
Kansas	0.1	-0.3	3
Minnesota	0.1	-0.4	6
California	0.1	-0.4	5
Wyoming	0.1	-0.4	3
Texas	0.1	-0.5	2
Maryland	0.1	-0.5	5
Kentucky	0.1	-0.5	4
Nevada	0.1	-0.5	2
North Dakota	0.1	-0.5	2
Tennessee	0.1	-0.5	3
Florida	0.1	-0.6	3
Idaho	0.1	-0.7	2
Illinois	0.1	-0.7	2
Utah	0.1	-0.7	2
Mississippi	0.1	-0.7	1
Arkansas	0.1	-0.7	1
Iowa	0.1	-0.7	2
Colorado	0.1	-0.7	1
Puerto Rico	0.1	-0.7	1
South Dakota	0.0	-0.8	1
Alabama	0.0	-1.0	0
Georgia	0.0	-1.0	0
Maine	0.0	-1.0	0
Oklahoma	0.0	-1.0	0
West Virginia	0.0	-1.0	0

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

**TABLE 12. PERCENT COMPLETED INTERVIEWS MISSING HEIGHT BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	1.8	5.5	34
Michigan	0.8	1.9	20
Nebraska	0.6	1.3	13
Arizona	0.5	0.9	10
New Hampshire	0.5	0.8	7
Massachusetts	0.4	0.7	8
Montana	0.4	0.7	8
Maryland	0.4	0.6	19
Kentucky	0.4	0.6	15
Kansas	0.4	0.5	8
Pennsylvania	0.4	0.5	14
Texas	0.4	0.3	6
Washington	0.3	0.3	12
Rhode Island	0.3	0.3	6
New Jersey	0.3	0.2	10
Louisiana	0.3	0.2	5
Tennessee	0.3	0.1	9
South Dakota	0.3	0.1	6
Vermont	0.3	0.1	7
Connecticut	0.3	0.1	5
Alaska	0.3	0.0	4
Ohio	0.3	0.0	4
Mississippi	0.3	0.0	4
Iowa	0.3	0.0	9
Wisconsin	0.2	-0.1	5
Florida	0.2	-0.2	7
Alabama	0.2	-0.2	4
New Mexico	0.2	-0.2	2
North Carolina	0.2	-0.3	5
North Dakota	0.2	-0.3	3
Minnesota	0.2	-0.3	7
Utah	0.1	-0.4	4
Missouri	0.1	-0.4	2
Georgia	0.1	-0.4	3
Colorado	0.1	-0.5	2
Delaware	0.1	-0.6	2
District of Columbia	0.1	-0.6	1
California	0.1	-0.6	3
New York	0.1	-0.6	3
Oregon	0.1	-0.6	2
Maine	0.1	-0.7	1
Oklahoma	0.1	-0.7	1
Wyoming	0.0	-0.7	1
Idaho	0.0	-0.8	1
Arkansas	0.0	-0.9	0
Illinois	0.0	-0.9	0
Indiana	0.0	-0.9	0
Nevada	0.0	-0.9	0
Puerto Rico	0.0	-0.9	0
Virginia	0.0	-0.9	0
West Virginia	0.0	-0.9	0

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



**TABLE 13. PERCENT COMPLETED INTERVIEWS MISSING WEIGHT BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Washington	4.2	2.6	151
Ohio	3.8	2.1	59
South Carolina	3.4	1.7	64
Oregon	3.2	1.4	93
Connecticut	3.2	1.4	58
South Dakota	3.1	1.4	66
Arkansas	3.1	1.3	55
Nebraska	3.0	1.3	64
Kansas	2.8	1.0	56
Maryland	2.8	1.0	124
Arizona	2.7	0.9	53
Pennsylvania	2.6	0.8	94
New Jersey	2.5	0.7	79
North Carolina	2.4	0.6	68
New York	2.4	0.6	104
Louisiana	2.3	0.5	38
Rhode Island	2.3	0.4	42
Michigan	2.3	0.4	56
Massachusetts	2.2	0.4	40
New Hampshire	2.2	0.4	33
Tennessee	2.2	0.3	66
Kentucky	2.1	0.2	75
Vermont	2.0	0.2	51
Delaware	1.6	-0.3	34
Wyoming	1.6	-0.3	40
Wisconsin	1.6	-0.3	35
Missouri	1.5	-0.4	24
Minnesota	1.5	-0.4	68
Oklahoma	1.5	-0.4	29
Nevada	1.5	-0.4	27
Idaho	1.5	-0.4	41
New Mexico	1.5	-0.5	16
Montana	1.4	-0.5	25
Utah	1.4	-0.5	40
Maine	1.4	-0.6	23
Texas	1.3	-0.6	22
Virginia	1.3	-0.7	24
Indiana	1.3	-0.7	28
Iowa	1.2	-0.7	44
Alaska	1.2	-0.8	18
District of Columbia	1.2	-0.8	14
Florida	1.1	-0.9	38
Colorado	1.1	-0.9	19
North Dakota	1.0	-0.9	19
Alabama	1.0	-0.9	22
Mississippi	0.8	-1.2	12
California	0.7	-1.2	30
Illinois	0.7	-1.3	21
West Virginia	0.6	-1.4	14
Georgia	0.5	-1.5	13
Puerto Rico	0.0	-2.1	0

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

**TABLE 14. PERCENT COMPLETED INTERVIEWS MISSING RACE BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	1.1	2.7	20
Pennsylvania	0.9	2.1	33
New Mexico	0.9	2.1	10
Connecticut	0.8	1.7	15
Kansas	0.8	1.7	16
New Jersey	0.8	1.5	24
Michigan	0.7	1.2	17
District of Columbia	0.7	1.2	8
Alaska	0.7	1.1	10
New York	0.6	1.0	27
Puerto Rico	0.6	1.0	11
Louisiana	0.6	0.9	10
Wisconsin	0.5	0.7	12
Washington	0.5	0.7	19
Massachusetts	0.4	0.4	8
New Hampshire	0.4	0.2	6
Vermont	0.4	0.2	10
Missouri	0.4	0.1	6
Nebraska	0.3	-0.1	7
Delaware	0.3	-0.1	7
Florida	0.3	-0.2	11
Arizona	0.3	-0.2	6
Oregon	0.3	-0.2	9
Maryland	0.3	-0.2	13
Arkansas	0.3	-0.3	5
Montana	0.3	-0.3	5
Indiana	0.3	-0.3	6
Virginia	0.3	-0.3	5
Oklahoma	0.3	-0.3	5
Ohio	0.3	-0.3	4
Texas	0.2	-0.4	4
Colorado	0.2	-0.5	4
Rhode Island	0.2	-0.5	4
Kentucky	0.2	-0.6	7
South Dakota	0.2	-0.6	4
Minnesota	0.2	-0.6	8
North Carolina	0.2	-0.6	5
Illinois	0.2	-0.7	5
Alabama	0.1	-0.8	3
Wyoming	0.1	-0.9	3
Nevada	0.1	-0.9	2
Idaho	0.1	-0.9	3
North Dakota	0.1	-0.9	2
Tennessee	0.1	-0.9	3
West Virginia	0.1	-1.0	2
California	0.1	-1.0	3
Utah	0.1	-1.0	2
Iowa	0.0	-1.2	1
Georgia	0.0	-1.3	0
Maine	0.0	-1.3	0
Mississippi	0.0	-1.3	0

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

**TABLE 15. PERCENT COMPLETED INTERVIEWS MISSING COUNTY CODE  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Dakota	0.9	3.8	18
Michigan	0.6	2.7	16
Texas	0.5	1.7	8
Arizona	0.5	1.7	9
Kansas	0.4	1.4	8
Mississippi	0.4	1.2	6
New Mexico	0.4	1.2	4
Virginia	0.3	0.9	6
Arkansas	0.3	0.7	5
South Carolina	0.3	0.6	5
Tennessee	0.3	0.6	8
Alabama	0.2	0.5	5
Georgia	0.2	0.3	5
Washington	0.2	0.3	7
Ohio	0.2	0.3	3
Minnesota	0.2	0.2	8
Oklahoma	0.2	0.1	3
North Carolina	0.1	0.0	4
New York	0.1	0.0	6
New Hampshire	0.1	-0.1	2
Missouri	0.1	-0.1	2
Maine	0.1	-0.2	2
Colorado	0.1	-0.2	2
Utah	0.1	-0.2	3
Wyoming	0.1	-0.4	2
California	0.1	-0.4	3
Oregon	0.1	-0.4	2
Florida	0.1	-0.5	2
Iowa	0.1	-0.5	2
Nebraska	0.0	-0.5	1
Illinois	0.0	-0.6	1
Maryland	0.0	-0.7	1
Connecticut	0.0	-0.8	0
Delaware	0.0	-0.8	0
Idaho	0.0	-0.8	0
Indiana	0.0	-0.8	0
Kentucky	0.0	-0.8	0
Louisiana	0.0	-0.8	0
Massachusetts	0.0	-0.8	0
Montana	0.0	-0.8	0
Nevada	0.0	-0.8	0
New Jersey	0.0	-0.8	0
North Dakota	0.0	-0.8	0
Pennsylvania	0.0	-0.8	0
Puerto Rico	0.0	-0.8	0
Rhode Island	0.0	-0.8	0
Vermont	0.0	-0.8	0
West Virginia	0.0	-0.8	0
Wisconsin	0.0	-0.8	0

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

**TABLE 16. PERCENT COMPLETED RECORDS MISSING NUMBER OF PERSONS  
IN HOUSEHOLD, BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	1.7	4.8	31
Wisconsin	0.9	2.4	21
Michigan	0.9	2.2	22
District of Columbia	0.7	1.4	8
Connecticut	0.7	1.4	12
New Hampshire	0.5	0.7	7
Massachusetts	0.4	0.7	8
Pennsylvania	0.4	0.7	16
Tennessee	0.4	0.5	12
Nebraska	0.4	0.4	8
Washington	0.4	0.4	13
Arizona	0.4	0.4	7
Kansas	0.3	0.3	7
Mississippi	0.3	0.2	5
Florida	0.3	0.1	10
Nevada	0.3	0.1	5
Rhode Island	0.3	0.1	5
Alaska	0.3	0.0	4
New Jersey	0.3	0.0	8
Kentucky	0.2	0.0	9
Georgia	0.2	-0.2	5
Oregon	0.2	-0.2	6
Ohio	0.2	-0.2	3
Maryland	0.2	-0.3	8
Maine	0.2	-0.3	3
Puerto Rico	0.2	-0.3	3
California	0.2	-0.4	6
Illinois	0.1	-0.4	4
Utah	0.1	-0.4	4
Missouri	0.1	-0.4	2
Louisiana	0.1	-0.5	2
Vermont	0.1	-0.5	3
Texas	0.1	-0.5	2
Colorado	0.1	-0.5	2
Iowa	0.1	-0.5	4
North Dakota	0.1	-0.5	2
Alabama	0.1	-0.6	2
New Mexico	0.1	-0.6	1
Wyoming	0.1	-0.6	2
Idaho	0.1	-0.6	2
North Carolina	0.1	-0.6	2
New York	0.1	-0.6	3
Arkansas	0.1	-0.7	1
Virginia	0.1	-0.7	1
Oklahoma	0.1	-0.7	1
Delaware	0.0	-0.7	1
Indiana	0.0	-0.9	0
Minnesota	0.0	-0.9	0
Montana	0.0	-0.9	0
South Dakota	0.0	-0.9	0
West Virginia	0.0	-0.9	0

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

**TABLE 17. PERCENT COMPLETED INTERVIEWS MISSING NUMBER OF TELEPHONES  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Arkansas	7.7	5.1	11
Puerto Rico	4.3	2.7	2
North Carolina	4.2	2.6	9
Washington	2.2	1.1	8
Oregon	1.9	0.9	4
South Carolina	1.8	0.8	3
Tennessee	1.6	0.6	4
New Hampshire	1.0	0.2	2
Nevada	1.0	0.2	3
Alabama	1.0	0.2	2
Kansas	0.8	0.1	1
Virginia	0.8	0.1	2
Vermont	0.7	0.0	3
Texas	0.7	0.0	2
New York	0.7	0.0	4
Massachusetts	0.6	-0.1	2
Missouri	0.6	-0.1	1
Florida	0.6	-0.1	3
Michigan	0.6	-0.1	2
Rhode Island	0.5	-0.1	1
District of Columbia	0.5	-0.2	1
Maryland	0.5	-0.2	3
Alaska	0.5	-0.2	1
Illinois	0.5	-0.2	2
New Jersey	0.3	-0.3	2
Pennsylvania	0.3	-0.3	1
Minnesota	0.2	-0.3	1
Arizona	0.0	-0.5	0
California	0.0	-0.5	0
Colorado	0.0	-0.5	0
Connecticut	0.0	-0.5	0
Delaware	0.0	-0.5	0
Georgia	0.0	-0.5	0
Idaho	0.0	-0.5	0
Indiana	0.0	-0.5	0
Iowa	0.0	-0.5	0
Kentucky	0.0	-0.5	0
Louisiana	0.0	-0.5	0
Maine	0.0	-0.5	0
Mississippi	0.0	-0.5	0
Montana	0.0	-0.5	0
Nebraska	0.0	-0.5	0
New Mexico	0.0	-0.5	0
North Dakota	0.0	-0.5	0
Ohio	0.0	-0.5	0
Oklahoma	0.0	-0.5	0
South Dakota	0.0	-0.5	0
Utah	0.0	-0.5	0
West Virginia	0.0	-0.5	0
Wisconsin	0.0	-0.5	0
Wyoming	0.0	-0.5	0

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

**TABLE 18. PERCENT COMPLETED INTERVIEWS MISSING HEALTH PLAN BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	0.3	3.4	5
Louisiana	0.2	3.0	4
California	0.2	2.4	8
District of Columbia	0.2	1.8	2
Michigan	0.2	1.8	4
Pennsylvania	0.1	1.0	4
Nebraska	0.1	0.7	2
South Dakota	0.1	0.7	2
Wisconsin	0.1	0.6	2
Maryland	0.1	0.6	4
Florida	0.1	0.5	3
North Carolina	0.1	0.3	2
Utah	0.1	0.3	2
Minnesota	0.1	0.3	3
Oregon	0.1	0.3	2
Alaska	0.1	0.2	1
Ohio	0.1	0.2	1
Nevada	0.1	0.1	1
Colorado	0.1	0.1	1
Arizona	0.1	0.0	1
Alabama	0.0	-0.1	1
New York	0.0	-0.1	2
Indiana	0.0	-0.1	1
Georgia	0.0	-0.1	1
Vermont	0.0	-0.2	1
Wyoming	0.0	-0.2	1
Tennessee	0.0	-0.3	1
New Jersey	0.0	-0.3	1
Kentucky	0.0	-0.4	1
Washington	0.0	-0.3	1
Arkansas	0.0	-0.8	0
Connecticut	0.0	-0.8	0
Delaware	0.0	-0.8	0
Idaho	0.0	-0.8	0
Illinois	0.0	-0.8	0
Iowa	0.0	-0.8	0
Kansas	0.0	-0.8	0
Maine	0.0	-0.8	0
Massachusetts	0.0	-0.8	0
Mississippi	0.0	-0.8	0
Missouri	0.0	-0.8	0
Montana	0.0	-0.8	0
New Hampshire	0.0	-0.8	0
New Mexico	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
Rhode Island	0.0	-0.8	0
Texas	0.0	-0.8	0
Virginia	0.0	-0.8	0
West Virginia	0.0	-0.8	0

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

**TABLE 19. PERCENT COMPLETED INTERVIEWS MISSING GENERAL HEALTH STATUS  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	0.1	2.9	2
Virginia	0.1	2.9	2
New Mexico	0.1	2.4	1
North Carolina	0.1	1.7	2
New Hampshire	0.1	1.6	1
Louisiana	0.1	1.4	1
Texas	0.1	1.3	1
Oklahoma	0.1	1.1	1
Arizona	0.1	1.1	1
Nebraska	0.0	0.9	1
Indiana	0.0	0.9	1
Michigan	0.0	0.7	1
Utah	0.0	0.5	1
Tennessee	0.0	0.4	1
New Jersey	0.0	0.4	1
Kentucky	0.0	0.3	1
Washington	0.0	0.3	1
Minnesota	0.0	0.1	1
New York	0.0	0.1	1
Alabama	0.0	-0.7	0
Alaska	0.0	-0.7	0
Arkansas	0.0	-0.7	0
California	0.0	-0.7	0
Colorado	0.0	-0.7	0
Connecticut	0.0	-0.7	0
Delaware	0.0	-0.7	0
District of Columbia	0.0	-0.7	0
Florida	0.0	-0.7	0
Georgia	0.0	-0.7	0
Idaho	0.0	-0.7	0
Illinois	0.0	-0.7	0
Iowa	0.0	-0.7	0
Kansas	0.0	-0.7	0
Maine	0.0	-0.7	0
Maryland	0.0	-0.7	0
Massachusetts	0.0	-0.7	0
Mississippi	0.0	-0.7	0
Missouri	0.0	-0.7	0
Montana	0.0	-0.7	0
Nevada	0.0	-0.7	0
North Dakota	0.0	-0.7	0
Ohio	0.0	-0.7	0
Oregon	0.0	-0.7	0
Pennsylvania	0.0	-0.7	0
Puerto Rico	0.0	-0.7	0
Rhode Island	0.0	-0.7	0
South Dakota	0.0	-0.7	0
Vermont	0.0	-0.7	0
West Virginia	0.0	-0.7	0
Wisconsin	0.0	-0.7	0
Wyoming	0.0	-0.7	0

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

**TABLE 20. PERCENT COMPLETED INTERVIEWS MISSING PHYSICAL HEALTH STATUS  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Texas	0.4	3.7	6
Louisiana	0.2	2.3	4
Rhode Island	0.2	1.9	4
South Carolina	0.2	1.9	4
Kansas	0.2	1.7	4
Oregon	0.2	1.3	5
Wyoming	0.2	1.2	4
Pennsylvania	0.1	0.9	5
New Hampshire	0.1	0.9	2
Massachusetts	0.1	0.6	2
Nevada	0.1	0.6	2
Connecticut	0.1	0.5	2
North Carolina	0.1	0.5	3
Nebraska	0.1	0.4	2
Minnesota	0.1	0.3	4
District of Columbia	0.1	0.2	1
Vermont	0.1	0.2	2
Illinois	0.1	0.0	2
New Jersey	0.1	0.0	2
Ohio	0.1	0.0	1
Washington	0.1	-0.1	2
Colorado	0.1	-0.1	1
Virginia	0.1	-0.2	1
Arizona	0.1	-0.2	1
California	0.1	-0.2	2
Delaware	0.0	-0.3	1
South Dakota	0.0	-0.2	1
Wisconsin	0.0	-0.3	1
West Virginia	0.0	-0.3	1
Michigan	0.0	-0.3	1
Idaho	0.0	-0.4	1
Tennessee	0.0	-0.4	1
Florida	0.0	-0.5	1
Alabama	0.0	-0.9	0
Alaska	0.0	-0.9	0
Arkansas	0.0	-0.9	0
Georgia	0.0	-0.9	0
Indiana	0.0	-0.9	0
Iowa	0.0	-0.9	0
Kentucky	0.0	-0.9	0
Maine	0.0	-0.9	0
Maryland	0.0	-0.9	0
Mississippi	0.0	-0.9	0
Missouri	0.0	-0.9	0
Montana	0.0	-0.9	0
New Mexico	0.0	-0.9	0
New York	0.0	-0.9	0
North Dakota	0.0	-0.9	0
Oklahoma	0.0	-0.9	0
Puerto Rico	0.0	-0.9	0
Utah	0.0	-0.9	0

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



**TABLE 21. PERCENT COMPLETED INTERVIEWS MISSING MENTAL HEALTH STATUS  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Rhode Island	0.5	2.9	9
Massachusetts	0.4	2.6	8
South Carolina	0.4	2.4	8
New Hampshire	0.3	1.6	5
Louisiana	0.3	1.3	5
Texas	0.3	1.3	5
Michigan	0.3	1.2	7
Vermont	0.3	1.2	7
Washington	0.3	1.2	10
Oregon	0.3	1.1	8
Nebraska	0.2	0.8	5
New Jersey	0.2	0.7	7
Colorado	0.2	0.7	4
Idaho	0.2	0.4	5
New Mexico	0.2	0.4	2
Wisconsin	0.2	0.3	4
Tennessee	0.2	0.2	5
Virginia	0.2	0.2	3
Illinois	0.1	0.0	4
Pennsylvania	0.1	0.0	5
Alaska	0.1	-0.1	2
Ohio	0.1	-0.1	2
Kentucky	0.1	-0.2	4
Connecticut	0.1	-0.2	2
Arizona	0.1	-0.3	2
Kansas	0.1	-0.3	2
South Dakota	0.1	-0.4	2
District of Columbia	0.1	-0.5	1
Wyoming	0.1	-0.5	2
North Carolina	0.1	-0.6	2
New York	0.1	-0.6	3
Minnesota	0.1	-0.6	3
Maryland	0.1	-0.6	3
Missouri	0.1	-0.6	1
Mississippi	0.1	-0.6	1
Florida	0.1	-0.7	2
Iowa	0.1	-0.7	2
Nevada	0.1	-0.7	1
North Dakota	0.1	-0.7	1
Oklahoma	0.1	-0.7	1
California	0.1	-0.7	2
Alabama	0.0	-0.8	1
Delaware	0.0	-0.8	1
Indiana	0.0	-0.8	1
Georgia	0.0	-0.8	1
Arkansas	0.0	-1.1	0
Maine	0.0	-1.1	0
Montana	0.0	-1.1	0
Puerto Rico	0.0	-1.1	0
Utah	0.0	-1.1	0
West Virginia	0.0	-1.1	0

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

**TABLE 22. PERCENT COMPLETED INTERVIEWS MISSING HIV TEST BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	4.9	3.0	76
Kansas	4.4	2.6	69
Colorado	4.1	2.3	62
Connecticut	3.5	1.9	53
Tennessee	3.4	1.8	84
New Hampshire	3.0	1.4	37
Pennsylvania	2.9	1.3	81
New Jersey	2.8	1.3	72
Maryland	2.4	0.9	87
Nebraska	2.1	0.7	34
District of Columbia	1.9	0.5	19
Kentucky	1.9	0.5	51
Alaska	1.8	0.4	25
Arkansas	1.7	0.4	24
Alabama	1.6	0.2	27
Iowa	1.3	0.0	35
Minnesota	1.2	-0.1	43
Vermont	1.2	-0.1	24
Arizona	1.1	-0.2	16
Ohio	1.0	-0.2	12
Washington	1.0	-0.2	30
Rhode Island	1.0	-0.3	14
North Carolina	0.9	-0.3	18
South Dakota	0.8	-0.4	13
Massachusetts	0.8	-0.4	12
West Virginia	0.8	-0.4	15
Mississippi	0.8	-0.4	10
New Mexico	0.8	-0.4	7
Florida	0.8	-0.4	20
Maine	0.8	-0.4	10
Missouri	0.6	-0.6	7
Georgia	0.6	-0.6	11
Indiana	0.5	-0.6	9
North Dakota	0.5	-0.6	7
Oregon	0.5	-0.6	12
Wisconsin	0.5	-0.6	9
New York	0.4	-0.7	16
Utah	0.4	-0.7	10
Louisiana	0.4	-0.7	5
Montana	0.4	-0.8	5
Delaware	0.4	-0.8	6
Illinois	0.3	-0.8	8
Michigan	0.3	-0.8	6
Texas	0.3	-0.8	4
Nevada	0.2	-0.9	3
Virginia	0.2	-0.9	3
Idaho	0.2	-0.9	4
Oklahoma	0.2	-0.9	2
Puerto Rico	0.1	-1.0	1
Wyoming	0.0	-1.0	1

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

**TABLE 23. PERCENT COMPLETED INTERVIEWS MISSING CHANCES OF GETTING HIV  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	5.0	3.2	78
Kansas	4.3	2.6	67
Colorado	3.9	2.3	60
Tennessee	3.4	1.8	84
Connecticut	3.3	1.7	50
New Hampshire	3.0	1.4	37
Pennsylvania	2.8	1.3	78
New Jersey	2.7	1.2	69
Maryland	2.4	0.9	87
Nebraska	2.0	0.6	32
Kentucky	2.0	0.6	54
District of Columbia	1.9	0.5	19
Arkansas	1.9	0.5	26
Alaska	1.6	0.2	22
Alabama	1.6	0.2	27
New Mexico	1.4	0.1	13
Vermont	1.3	0.0	26
Minnesota	1.2	-0.1	44
Iowa	1.2	-0.1	33
Massachusetts	1.1	-0.1	17
South Dakota	1.1	-0.1	18
Arizona	1.1	-0.2	16
Washington	1.0	-0.3	29
Ohio	1.0	-0.3	11
Rhode Island	1.0	-0.3	14
North Carolina	0.9	-0.3	20
West Virginia	0.9	-0.3	17
Florida	0.9	-0.3	24
Mississippi	0.8	-0.4	10
Wisconsin	0.7	-0.5	13
Maine	0.7	-0.5	9
Missouri	0.7	-0.6	8
New York	0.6	-0.6	23
Louisiana	0.6	-0.6	8
Montana	0.6	-0.6	8
Indiana	0.6	-0.6	10
Georgia	0.5	-0.7	10
Oregon	0.5	-0.7	11
Illinois	0.5	-0.7	11
Michigan	0.4	-0.8	8
Utah	0.4	-0.8	9
Virginia	0.4	-0.8	6
North Dakota	0.4	-0.8	5
Texas	0.3	-0.9	4
Puerto Rico	0.3	-0.9	4
Delaware	0.2	-0.9	4
Nevada	0.2	-0.9	3
Idaho	0.2	-1.0	4
Wyoming	0.1	-1.0	3
Oklahoma	0.0	-1.1	0

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

**TABLE 24. PERCENT COMPLETED INTERVIEWS MISSING HAD A PAP SMEAR  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Kansas	3.4	3.0	39
Connecticut	3.2	2.8	35
New Hampshire	2.7	2.2	23
New Jersey	2.6	2.2	48
Pennsylvania	2.6	2.1	54
Colorado	2.5	2.0	25
South Carolina	1.7	1.1	19
Tennessee	1.3	0.7	25
Iowa	1.3	0.6	28
Maryland	1.3	0.6	34
Alabama	1.2	0.5	16
Kentucky	1.0	0.3	23
Vermont	1.0	0.3	14
Arizona	0.9	0.1	10
Massachusetts	0.9	0.1	9
Wisconsin	0.8	0.0	10
Ohio	0.8	0.0	7
Alaska	0.7	0.0	6
Nebraska	0.7	0.0	9
Missouri	0.6	-0.1	6
Maine	0.6	-0.2	6
Mississippi	0.6	-0.2	6
Washington	0.6	-0.2	12
Florida	0.6	-0.2	12
Rhode Island	0.5	-0.3	5
Indiana	0.5	-0.3	6
North Dakota	0.5	-0.3	5
Georgia	0.4	-0.4	6
District of Columbia	0.4	-0.4	3
Louisiana	0.4	-0.4	4
Oregon	0.4	-0.5	6
Utah	0.3	-0.5	5
New Mexico	0.3	-0.5	2
Arkansas	0.3	-0.6	3
South Dakota	0.2	-0.6	3
Montana	0.2	-0.6	2
Illinois	0.2	-0.7	3
California	0.1	-0.7	3
Idaho	0.1	-0.7	2
Minnesota	0.1	-0.7	3
Wyoming	0.1	-0.8	1
West Virginia	0.1	-0.8	1
North Carolina	0.1	-0.8	1
Delaware	0.0	-0.9	0
Michigan	0.0	-0.9	0
Nevada	0.0	-0.9	0
New York	0.0	-0.9	0
Oklahoma	0.0	-0.9	0
Puerto Rico	0.0	-0.9	0
Texas	0.0	-0.9	0
Virginia	0.0	-0.9	0

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

**TABLE 25. PERCENT COMPLETED INTERVIEWS MISSING PROFESSIONAL BREAST EXAM BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Kansas	3.0	2.8	34
Connecticut	2.8	2.6	31
New Hampshire	2.7	2.5	23
New Jersey	2.6	2.3	47
Pennsylvania	2.4	2.1	49
Colorado	2.3	2.0	23
South Carolina	1.5	1.0	17
Iowa	1.3	0.8	28
Maryland	1.3	0.7	34
Alabama	1.2	0.6	16
Tennessee	1.1	0.5	20
Kentucky	1.0	0.3	22
Vermont	0.9	0.3	13
Alaska	0.7	0.1	6
Nebraska	0.7	0.0	9
Arizona	0.7	0.0	8
Wisconsin	0.7	0.0	9
Massachusetts	0.7	0.0	7
Missouri	0.6	0.0	6
Maine	0.6	-0.1	6
Mississippi	0.6	-0.1	6
Indiana	0.6	-0.2	7
Washington	0.5	-0.2	11
Florida	0.5	-0.2	11
Rhode Island	0.5	-0.3	5
North Dakota	0.5	-0.3	5
Georgia	0.4	-0.3	6
District of Columbia	0.4	-0.3	3
Ohio	0.3	-0.4	3
Louisiana	0.3	-0.5	3
South Dakota	0.2	-0.5	3
Utah	0.2	-0.5	4
Illinois	0.2	-0.6	4
New Mexico	0.2	-0.7	1
Idaho	0.1	-0.7	2
Minnesota	0.1	-0.7	3
Montana	0.1	-0.7	1
Arkansas	0.1	-0.7	1
Wyoming	0.1	-0.8	1
West Virginia	0.1	-0.8	1
North Carolina	0.1	-0.8	1
Oregon	0.1	-0.8	1
New York	0.0	-0.8	1
California	0.0	-0.8	0
Delaware	0.0	-0.8	0
Michigan	0.0	-0.8	0
Nevada	0.0	-0.8	0
Oklahoma	0.0	-0.8	0
Puerto Rico	0.0	-0.8	0
Texas	0.0	-0.8	0
Virginia	0.0	-0.8	0

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

**TABLE 26. PERCENT COMPLETED INTERVIEWS MISSING HAD MAMMOGRAM  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Connecticut	2.7	2.8	30
Kansas	2.7	2.8	31
New Hampshire	2.3	2.3	20
Colorado	2.3	2.3	23
New Jersey	2.2	2.2	40
Pennsylvania	2.1	2.0	43
South Carolina	1.5	1.2	17
Iowa	1.0	0.6	22
Maryland	1.0	0.6	27
Alabama	1.0	0.5	13
Tennessee	1.0	0.5	18
Kentucky	0.9	0.4	21
Massachusetts	0.7	0.1	7
Missouri	0.6	0.1	6
Nebraska	0.6	0.1	8
Vermont	0.6	0.0	9
Arizona	0.6	0.0	7
Maine	0.5	-0.1	5
Alaska	0.5	-0.1	4
Rhode Island	0.5	-0.2	5
North Dakota	0.5	-0.2	5
District of Columbia	0.4	-0.3	3
Mississippi	0.4	-0.3	4
Florida	0.4	-0.3	8
Georgia	0.4	-0.3	5
South Dakota	0.3	-0.4	4
Ohio	0.3	-0.4	3
Indiana	0.3	-0.4	4
Wisconsin	0.3	-0.4	4
Utah	0.3	-0.4	5
Louisiana	0.3	-0.4	3
Washington	0.3	-0.4	6
Illinois	0.2	-0.6	3
New Mexico	0.2	-0.6	1
Montana	0.1	-0.7	1
Arkansas	0.1	-0.7	1
West Virginia	0.1	-0.7	1
North Carolina	0.1	-0.7	1
California	0.0	-0.7	1
Minnesota	0.0	-0.7	1
Delaware	0.0	-0.8	0
Idaho	0.0	-0.8	0
Michigan	0.0	-0.8	0
Nevada	0.0	-0.8	0
New York	0.0	-0.8	0
Oklahoma	0.0	-0.8	0
Oregon	0.0	-0.8	0
Puerto Rico	0.0	-0.8	0
Texas	0.0	-0.8	0
Virginia	0.0	-0.8	0
Wyoming	0.0	-0.8	0

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

**TABLE 27. PERCENT COMPLETED INTERVIEWS MISSING DIABETES BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
South Carolina	0.7	5.7	13
Kansas	0.3	2.2	6
Virginia	0.3	1.9	5
Louisiana	0.2	1.2	3
District of Columbia	0.2	1.1	2
Colorado	0.1	0.6	2
Arizona	0.1	0.5	2
South Dakota	0.1	0.4	2
Tennessee	0.1	0.2	2
Pennsylvania	0.1	0.1	2
Nebraska	0.0	0.0	1
Alabama	0.0	0.0	1
Delaware	0.0	0.0	1
Indiana	0.0	0.0	1
North Carolina	0.0	-0.1	1
Illinois	0.0	-0.1	1
Florida	0.0	-0.2	1
California	0.0	-0.2	1
Minnesota	0.0	-0.2	1
Alaska	0.0	-0.4	0
Arkansas	0.0	-0.4	0
Connecticut	0.0	-0.4	0
Georgia	0.0	-0.4	0
Idaho	0.0	-0.4	0
Iowa	0.0	-0.4	0
Kentucky	0.0	-0.4	0
Maine	0.0	-0.4	0
Maryland	0.0	-0.4	0
Massachusetts	0.0	-0.4	0
Michigan	0.0	-0.4	0
Mississippi	0.0	-0.4	0
Missouri	0.0	-0.4	0
Montana	0.0	-0.4	0
Nevada	0.0	-0.4	0
New Hampshire	0.0	-0.4	0
New Jersey	0.0	-0.4	0
New Mexico	0.0	-0.4	0
New York	0.0	-0.4	0
North Dakota	0.0	-0.4	0
Ohio	0.0	-0.4	0
Oklahoma	0.0	-0.4	0
Oregon	0.0	-0.4	0
Puerto Rico	0.0	-0.4	0
Rhode Island	0.0	-0.4	0
Texas	0.0	-0.4	0
Utah	0.0	-0.4	0
Vermont	0.0	-0.4	0
Washington	0.0	-0.4	0
West Virginia	0.0	-0.4	0
Wisconsin	0.0	-0.4	0
Wyoming	0.0	-0.4	0

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

**TABLE 28. PERCENT COMPLETED INTERVIEWS MISSING PNEUMONIA VACCINE  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Pennsylvania	4.6	2.1	164
New Jersey	4.4	2.0	139
South Carolina	3.4	1.4	63
Tennessee	1.6	0.3	50
Maryland	1.4	0.2	64
Arizona	0.7	-0.3	14
Louisiana	0.4	-0.5	6
Illinois	0.3	-0.5	4
Oregon	0.3	-0.5	8
Oklahoma	0.1	-0.6	2
Texas	0.1	-0.7	1
Kentucky	0.0	-0.7	0
Minnesota	0.0	-0.7	0
Montana	0.0	-0.7	0
Wyoming	0.0	-0.7	0

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



**TABLE 29. PERCENT COMPLETED INTERVIEWS MISSING INFLUENZA SHOT  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Pennsylvania	4.5	2.1	162
New Jersey	4.4	2.1	140
South Carolina	3.1	1.2	58
Tennessee	1.6	0.3	49
Maryland	1.4	0.2	63
Arizona	0.7	-0.3	13
Louisiana	0.4	-0.5	6
Illinois	0.3	-0.5	4
Oregon	0.3	-0.5	8
Oklahoma	0.1	-0.6	2
Kentucky	0.0	-0.7	0
Minnesota	0.0	-0.7	0
Montana	0.0	-0.7	0
Texas	0.0	-0.7	0
Wyoming	0.0	-0.7	0

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

**TABLE 30. PERCENT COMPLETED INTERVIEWS MISSING ALCOHOL CONSUMPTION\*\*  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Pennsylvania	5.2	2.2	186
New Jersey	4.8	2.0	151
Vermont	3.4	1.2	86
Alabama	2.9	0.9	61
Tennessee	2.0	0.4	31
Alaska	2.0	0.4	31
Arizona	0.7	-0.3	14
Oklahoma	0.3	-0.6	5
Kentucky	0.2	-0.6	3
Idaho	0.1	-0.6	4
Minnesota	0.1	-0.7	5
Wisconsin	0.1	-0.7	2
California	0.1	-0.7	2
Wyoming	0.0	-0.7	1
Illinois	0.0	-0.7	0
Nevada	0.0	-0.7	0
New York	0.0	-0.7	0

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

\*\*DRINKANY

**TABLE 31. PERCENT COMPLETED INTERVIEWS MISSING SEAT BELT USE  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Pennsylvania	5.0	2.0	181
New Jersey	4.5	1.7	142
Kentucky	1.6	0.1	29
West Virginia	0.7	-0.4	17
Arizona	0.7	-0.4	13
South Dakota	0.5	-0.5	11
Louisiana	0.3	-0.6	5
Oklahoma	0.2	-0.7	3
Illinois	0.1	-0.7	2
Virginia	0.1	-0.7	1

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

**TABLE 32. PERCENT COMPLETED INTERVIEWS MISSING SMOKE DETECTOR  
BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Pennsylvania	5.2	2.0	187
New Jersey	4.8	1.7	150
Kentucky	1.6	0.1	29
Arizona	0.8	-0.3	15
West Virginia	0.7	-0.4	17
South Dakota	0.6	-0.4	13
Louisiana	0.4	-0.5	7
Oklahoma	0.2	-0.7	3
Virginia	0.1	-0.7	2
Illinois	0.0	-0.7	0

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

**TABLE 33. PERCENT COMPLETED INTERVIEWS MISSING HAD PROCTOSCOPIC EXAM BY STATE, 1996**

STATE	PERCENT*	Z-SCORE	N
Pennsylvania	6.3	1.3	38
Kentucky	2.9	0.0	33
Vermont	2.8	-0.1	44
New York	0.2	-1.2	2

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